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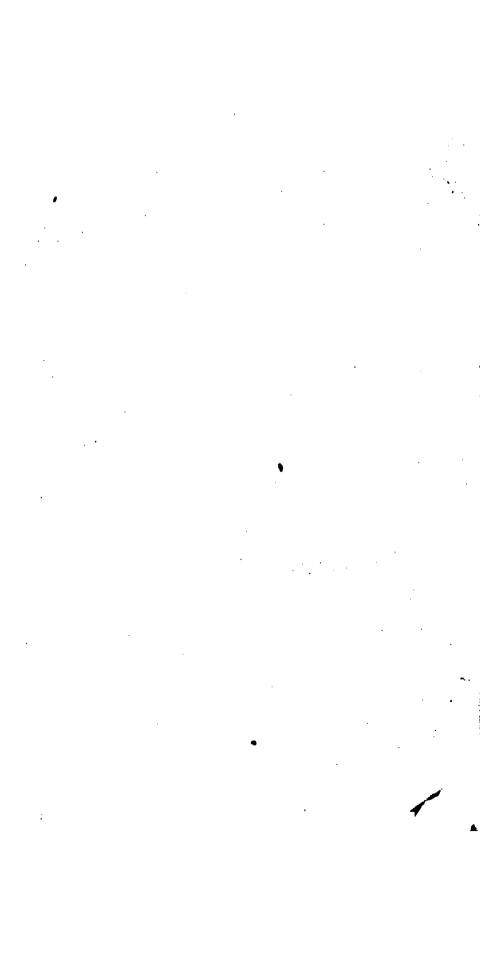
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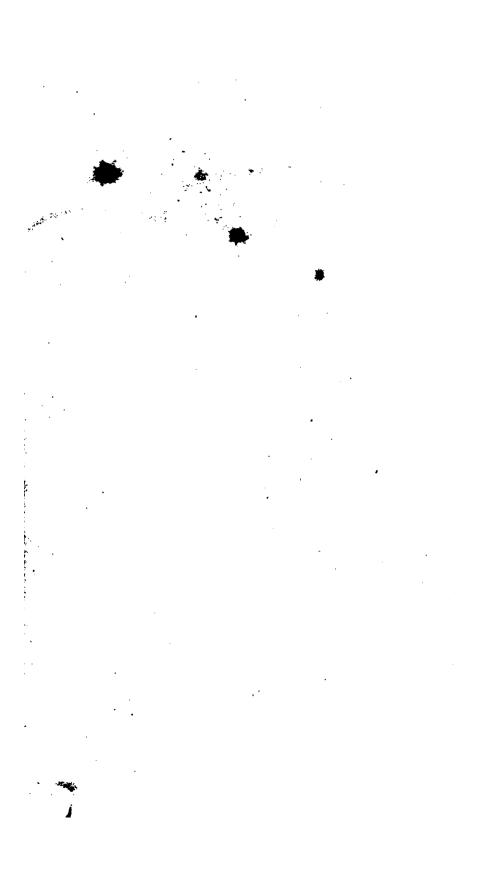
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(1)

Edward Broton



TABLES

FOR PACILITATING

THE CALCULATION OF EARTH WORK

IN THE

CUTTINGS AND EMBANKMENTS

OF

RAILWAYS, CANALS, AND OTHER PUBLIC WORKS.

ΒY

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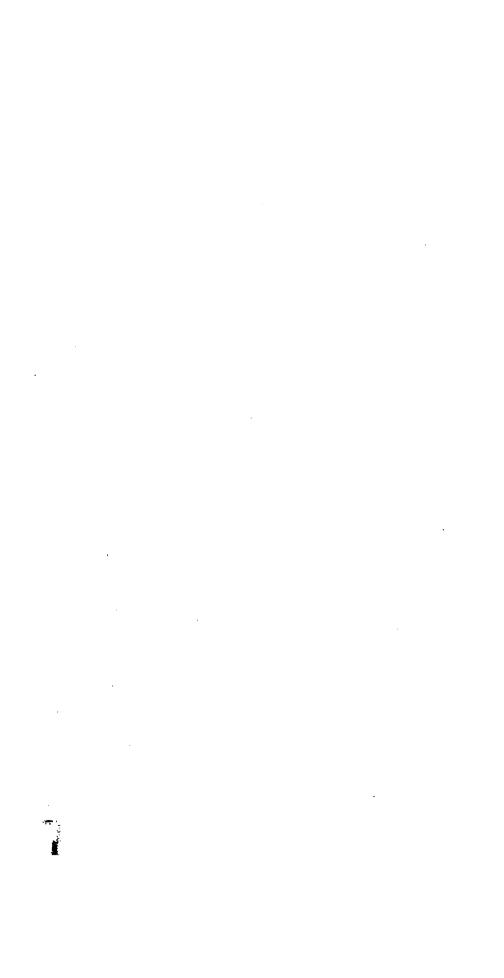
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PREFACE.

ALL practical engineers are well aware, by experience, of the inconveniences which arise from the length of time necessary for calculating the cubic quantity of earth-work in the cuttings and embankments of canals, railways, and turnpike roads, and other public works, especially when the section is of considerable extent, and the ground uneven. As calculations of this kind are frequently, on a short notice, required to be completed within a limited period, the consequence is, that errors are almost sure to be made, as a multiplicity of figures are necessary, though the calculations in themselves are so simple.

To save time in making these calculations, and insure accuracy in the results, were the principal objects I had in view in constructing the following Tables; how far I have succeeded must be left to the decision of practical men, for whose use they were intended, and who are best able to judge of their utility.

An advantage may arise from the use of these Tables, which I had not at first contemplated. By the common, but erroneous method of calculation, the cuttings may appear to be equal to the embankments; yet, when the work is carried into effect, a large quantity of earth may be required to make up the embankments, or there may be

too much earth in the cuttings for the embankments, according to the shape or figure of the section, as will be shewn hereafter. Such a circumstance as this cannot take place if the following Tables be used to ascertain the cubic quantities; for as they are calculated from the prismoidal formula, they will give the true cubic quantity in any cutting or embankment; and, consequently, if the cuttings be laid down on the section to balance the embankments, they will be found in practice to do so, when the work comes to be executed.

Contractors very frequently find that they have more earth to move than they had previously calculated upon from the section, and are, therefore, often great losers. This, in most cases, arises from erroneous calculations; for the common practice is, either to add the two extreme heights together, and to take half the sum for a mean height; or to take half the sum of the areas at each end for a mean area. Both these methods are erroneous; one makes the quantity too much—the other too little.

In calculating the Tables and correcting the press, every care that was possible has been taken to ensure accuracy; every tenth line has been calculated twice over, and the intermediate figures filled up by interpolation. The few errors which were discovered in the first edition have been corrected in this; so that it is hoped very few, if any, will be found to exist in the present edition.

The First Series of Tables, from No. 1 to 46, inclusive, are calculated to bases, which very frequently occur in practice, both in canals, railways, and turnpike roads. In these Tables the calculations were carried to six places of decimals, although two only are retained in the printing, as sufficient for practical purposes.

In the Second Series, from No. 47 to 57, the multipliers

were calculated to eight places of decimals, and the additional columns to six places of decimals, although only four places of decimals in the former, and three places in the latter, are retained; but the last figure in each case has been increased by one, when the following figure amounted to five, or any higher number.

Two additional tables, Nos. 58 and 59, subsidiary numbers for facilitating the computation of prismoids, have been added to this edition.

Table No. 60 will be found useful in calculating the quantity of land necessary for forming canals, railways, roads, and other public works.

Also a table, No. 61, of the prices at which earth-work is now usually removed in the construction of railways and canals, according to the lead, and nature of the soil.

The work is printed on tinted paper, as suggested by Mr. Babbage, as preferable to white, and will be found in practice to produce great distinctness and facility in the use of the Tables.

DEMONSTRATION

OF

THE PRISMOIDAL FORMULA,

BY WHICH THE TABLES WERE CALCULATED.

Let ABCGFKDE (Fig. 1. Plate I.) represent a prismoid or solid figure similar to that which is formed in excavations or embankments, in which BCDK represents the road-way, and ABCG, FKDE parallel cross sections at each end. The cubic content of this solid is equal to the areas of each end, added to 4 times the mean area, and the sum multiplied by the length of the prismoid divided by 6.

That is, to the area ABCG + area FKDE + 4 times the area abcg, multiplied by $\frac{CD}{6}$:

Bisect the breadth of the road-way KD in the point O; from the point O raise the perpendicular ON, which will represent the depth of cutting at the lower end of the section; in the same manner bisect BC, in the point M, and raise the perpendicular ML, which will represent the depth of cutting at the upper end of the section; on this perpendicular lay off from the point M, a distance MQ, equal to ON, the perpendicular height of the lower end of the section; through the point Q, draw the line HI parallel to BC, this line HI will be equal to the line FE, as the planes are parallel, and

the angles of the slopes ABC, BCG are supposed to be equal to the angles FKD, KDE. If then we suppose a plane HIEF to be drawn through the lines HI and EF, it will be parallel to the base BCKD, and will divide the solid ABCGFKDE into two others, one of which will be the regular prism HBCIFKDE, and the other will be a wedge, the base of which will be the trapezium AHIG, the length IE or CD the length of the prismoid, and the edge FE, the breadth of the cutting at the lower end of the section.

This wedge may be divided by the vertical plane AHE into the two pyramids AHIGE and AHEF, the base of the first being the trapezium AHIG, and its height the line IE or CD, the length of the prism. The base of the other is the triangle FEH, and its height a perpendicular AR let fall from the vertex A to the plane HIEF.

The solid content of the prismoid will therefore be equal to the content of the regular prism HBCIFKDE, and the two pyramids AHIGE, and AHEF.

Let BC = b, the breadth at the bottom of the cutting.

ML = h, the perpendicular depth of cutting at the higher end.

ON or MQ = h', the perpendicular depth of cutting at the lower end.

CD = l, the length of the solid.

PI = rh', the ratio of the perpendicular height of the slope to its horizontal base, multiplied by the height MQ or ON.

Then the content of the prism HBCIFKDE will be equal to the area of the end FKDE, or HBCI, multiplied by CD; or to $(BC + PI) \times MQ \times CD$. $= \overline{b + h} \, r \times h' \times l$. The content of the pyramid AHIGE is equal to the area of its base AHIG, multiplied by $\frac{1}{3}$ its height IE; or to

THE PRISMOIDAL FORMULA.

 $[(b+rh)h-(b+rh',)h']\frac{l}{3}$ for the area of AHIG is equal to the difference of the areas of the ends ABCG and FKDE. And the content of the pyramid AHEF is equal to the area

xiii

of the triangle HEF, $\times \frac{1}{3}$ AR, or to $\frac{1}{2}$ EF \times HF $\times \frac{1}{3}$ AR = $\frac{b+2rh'}{2} \times l \times \frac{h-h'}{3}$ for AR = LQ = h-h'.

The content of the prismoid ABCGFKDE will therefore equal the sum of these three quantities; that is, h + 2rh'

$$= (b + rh') h' \times l + [(b + rh) h - (b + rh') h'] \frac{l}{3} + \frac{b + 2rh'}{2} \times l \times \frac{h - h'}{3}$$

$$= [3(b+rh')h' + (b+rh)h - (b+rh')h' + \frac{b+2rh'}{2} \times h - h'] \frac{l}{3}$$

$$= [2(b+rh')h' + (b+rh)h + \frac{b+2rh'}{2} \times h - h'] \frac{l}{3}$$

$$= [4(b+rh')h' + 2(b+rh)h + (b+2rh')(h-h')] \frac{l}{6}$$

 $= \left[(b+rh')h' + (b+rh)h + 4\left[b+r\frac{h+h'}{2}\right] \frac{h+h'}{2} \right] \frac{l}{6}$

$$= [4bh' + 4rh'^{2} + 2bh + 2rh^{2} + bh + 2rhh' - hh' - 2rh'^{2}] \frac{l}{6}$$

$$= [3bh' + 2rh'^{2} + 3bh + 2rh^{2} + 2rhh'] \frac{l}{6}$$

$$= [2bh' + bh' + rh'^2 + rh'^2 + 2bh + bh + rh^2 + rh^2 + 2rhh'] \frac{l}{6}$$

$$= [(b+rh')h' + (b+rh)h + 2bh + 2bh' + rh'^2 + rh^2 + 2rhh'] \frac{l}{6}$$

DESCRIPTION OF THE TABLES.

THE First Series of Tables, from 1 to 46, are calculated to such bases and slopes as usually occur in practice. By these Tables the number of cubic yards in cuttings and embankments are ascertained, by multiplying the tabular number by the length in feet between the respective heights marked on the section.

The Second Series of Tables, from 47 to 57, are calculated to a base of one foot, and to slopes varying from $\frac{1}{2}$ to 1—to 3 to 1. These Tables are applicable to any base, and will be of use when a work occurs which requires a base different from any given in the first series. In the practical application of this series, two multiplications are necessary instead of one.

EXEMPLIFICATION OF THE USE OF THE TABLES.

Suppose abcde (Fig. 2, Plate I.), to represent the surface of the ground, over which a proposed railway is to be made, and the line ae the level of the bottom of the cutting, and let the cross section of the railway be represented by Fig. 3, Plate I. The number of cubic yards of earth in this section will be found by Table 23, which is applicable to the given cross section, that is, to a base of 30, and Thus, look for the first height (20) in the slopes 2½ to 1. horizontal columns at the top or bottom of the page, and for the second height (50) in the vertical columns at either side of the page: at the intersection of these lines will be found the number 159.26; multiply this number by the length between the vertical lines, marked 20 and 50 on the section, Fig. 2, that is, by 400; the product, 63,704, will be the number of cubic yards in the first division of the section, marked A. Next, in column marked 50, at the top of the page and opposite 45, in the side column, will be found the number 261.88; this, multiplied by 300; the length between the vertical lines, marked 50 and 45 on the section, will give 78,564, the cubic yards in the second portion of the section marked B, in Fig. 1. Proceed in the same manner for the other portions of the section marked C, D, E, F, and arrange the work as in the annexed example.

Should the longitudinal sections be laid down by a scale of links instead of feet, the result given by the Tables should be multiplied by the decimal '66 in order to get the true content.

EXAMPLE 1.

By the Tables.

Table No. length	159.26 400	261.88 300	110.03 530
A =	63704.00	B = 78564.00	330090
			55015
			C = 58315.90
T. No. =	62,35	153.09	71.60
	450	210	1000
3	11750	153090	F = 71600.00
24	940	30618	
D = 28	057.50	E = 32148.90	

These products collected will be as follows:—

A :	= 6	3704	. 00
B :	= 7	8564	. 00
C :	= 5	8315	. 90
D:	= 2	8057	. 50
E :	= 3	2148	90

F = 71600.00

The sum of which is 332390.30 = the true quantity, in cubic yards.

This example worked by the Tables requires 172 figures; to work out the same result, without the Tables, will require 802 figures.

Example 2.

The same section, calculated by the Prismoidal formula, without using the Tables, will be as follows:—

height	20	height	50		50		
slope	2.5	slope	2.5		20		
	100		250		2) 70		
	40		100	maan balab	4 05		
	50.0		125.0	· mean heigh slope	t 85 2.5		
base	30.0	base	30	ыоре			
	<u></u>				175		
	80.0		155		70		
height	20	height	50				
					87.5		
area =	1600.0	area =	= 7750	base	30		
,					115 5		
				mean heigh	117.5 t 35		
				mean neigh			
					5875		
					3525		
				mean area	4112.5		
					4		
			4 45		10450.0		
				nes middle area = : ea of greater end	7750.0		
				a of lesser end	1600.0		
				6):	25800		
-				3)	4300		
				9)	1433.33		
				· A=	= 159.26	×400=63704.0	ì

height 50.	area of greater	end = 7750 .
------------	-----------------	----------------

45 2.5	height slope	45 50		٠
225	•	2) 95		
90				
110 5		47.5 2.5		
112.5 30		2.0	slope	
	Casc	2375		
142.5		950		
4.5	height			
7125		118.75 30	hasa	
5700		<i>a</i> u	base	
		148.75		
6412.5	= area of lesser end	47.5	mean height	
		74375		
		104125 59500		
		39000		
		7065.625		
		4		
			-	
		28262.500 6412.5	= 4 times middle area	
		7750		
	ϵ	6)42425.0		
	8	3) 7070.83		
	9	2356.94		
	B	= 261.88	× 300 = 78564	
	_			
			•	

•	height 45	area = 6412.5
1	0 height	45
2.	5 slope	10
2	5.0	2) 55
30) base	
	 ,	27.5 mean height
58 10		2.5 slope
	Height	1375
area of lesser end 550)	550
4 times middle area	10000 5	68.75 30 base
area of lesser end	550.0	
area of greater end	6412.5	98.75
_		27.5 mean height
6	3) 17825.0	40007
,	2970.83	49375 69125
•		19750
9	990.27	
		2715.625
	110.03 530 len	4
		10862.500 = 4 times middle area.
	330090	
	55015	
c =	= 58315.90	

	heigh	t 10	are1 = 550	
heigh	t 30		30	
	2.5		10	
	150 60		2)40	
			20	mean height
	75.0		2.5	slope
	30 b	ase		-
			100	
	105		40	
	30 h	eigh t		
			50.0	
area of greater end	3150		30	base
area of lesser end	550			
4 times middle area	6400		80	
0)	10100		20	mean height
6).	10100		1600	
3)	1683.33		4	
3)	1000.00			
9)	561.11		6400 =	4 times middle area.
	62.35			
		length		
		Ŭ		
	311750			
	24940			
-				
D=2	28057.50			

	heig	h t 30	area = 3150	
	40	height	40	
	2.5	Ū	30	
	200		2)70	
	80		<u></u>	
			35	mean height
	100.0		2.5	slope
•	30	base		•
			175	
	130		70	
	40	height		
		_	87.5	•
area of greater end	5200		30	base
area of lesser end	3150			
4 times middle area	16450		117.5	
		_	35	mean height
6)	24800			-
		-	5875	
3)	4133.33	3	3525	
		_		_
9)	1377.77		4112.	5 area
		_	•	4
	153.09)		_
	210	= length	16450.	0 = 4 times middle area.
	153090	-		
	30618			
E =	32148.9	0		

area as before, 5200

height 40

40	height
0	height
2)40	-
20	mean height
2.5	-
100	-
40	
50.0	-)
30	base
80	-
20	mean height
1000	-
1600 4	
	-
6400 = 5 2 00	= 4 times middle area
6)11600	
3) 1933.	 33
9) 644.	 14
71.	
10	00 = length
F=71600	.00
A	= 63704.00
	= 78564.00
	= 58315.90 = 98057.50
	= 28057.50 = 22148.00
F	= 32148.90 $=$ 71600.00
_	
Cubic yards	s = 332,390.30 true content.

This example worked at length by the prismoidal formula, requires 802 figures; by using the Tables, as already shewn in page xvii., the same result is obtained by 172 figures.

Example 3.

By the common, but erroneous method of mean heights, the work will be as follows:—

20	height	50	height
50	height	45	height
2) 70		2) 95	
35	mean height	47.5	mean height
2.5	slope	2.5	slope
175		2375	
70		950	
87.5		118.75	
30	base	30	base
117.5		148.75	
35	mean height	47.5	mean height
5875		74375	
3525		104125	
0) 4110		59500	
3)4112.		3 7065.625	
9)1370.8	33	´ 	
		9) 2355. 21	
152.5	31 00 length	261.69	
	—	300	length
A = 60,924	00	B = 78,507.00	
			

45	height		10	height
10	height		30	height
2)55			2) 40	
27.5	mean height	,	20	mean height
	slope		2.5	slope
1375	•	•	100	
550			40	
68.7	- 5	•	50.0	-
30	base		30	base
98.7		•	80.0	-
27.	5 mean height		20.0	mean height
4937		3)	1600	-
69125				-
19750		9)	533.3	3
3)2715.6	25	•	59.20 450	- 3 length
905.2	08		00000	-
100.5	 79	:	296300 23704	,
	30 length	.	00007	
		$\nu =$	26667.	J U
3017	37			
50290				

:	80	height			40	height
	40	height			0	height
2)	70				2)40	
		mean heigh	t.		20	mean height
2	. 5	alope			2.5	
	175				100	
	70				40	
-	87.5	•			50.0	
	80	base			80	base
1	17.5				80.0	
	85	mean heigh	t		20	mean height
-	5875			8	1600	•
3	525			9) 583.38	• 1
8)41	12.5	•		·		•
_		-			59.26	
9) 18	70.88	3			1000	length
1	52.82	-		F=	59260.00)
	210	length		,		•
1	52820	-)				
80	464					
E = 319	87.20)				

A = 60,924.00	
B = 78,507.00	
C = 53,307.37	
D = 26,667.00	
E = 31,987.20	
F = 59,260.00	
210 659 57	onho words by common with 1
	cube yards by common method.
382,390.30	cube yards, true content.
21,737.73	error by this method of calculation.

The number of figures required by this process is 469.

Example 4.

By the erroneous Method of Mean Areas.

20	height	50	height
2.5	slope	2.5	
100	-	250	•
40		100	
50.0	-)	125.0	I
30	base	30.0	base
80.0	-)	155.0	
20 .	height	50.0	height
1600	area	7750.0	area.
٠.		1600.0	_
		2) 9350	
		4675	mean area
		400	length
		3) 1870000	
		9) 623333	
		$A = \overline{69,259.26}$	
		-	

		٠,		
	heigh	t 50	area as before	7750.0 6412.5
height	45			
slopes	2.5		2)	14162.5
	225		mean area	7081.25
	90		length	300
,	112.5		3)21	24375.00
base	30		9) 7	08125.00
	142.5		-	
height	45		B=7	8,680.55
	7125			
	5700	•		
area	6412.5			
	heigh	nt 45	area as before	6412.5 550.5
height slopes	10 2.5		:	2)6962.5
2	5.0		mean area	3481.25
base 3	0		length	530
	55			1044375
height 1	10			1740625
rea = 55	50		3)	1845062.50
			9)	615020.88
			c =	= 68,335.6

				3150
	30		•	
slopes	2.5		:	2) 3700
	150	-	mean area	1850
٠	60		length	450
	75.0	•	•	92500
base	30			7400
	105	•	3)	832500
height	30			
area ==	3150	•	9)	277500
		-	D =	30,833.
	•			
		height 30	area as abov	
h.:.h.		height 30	area as abov	e 3150 5200
height	40 2.5	height 30		5200
height slopes	40 2.5	height 30		
	2.5	hei ght 30	mean area	5200 2)8350 4175
	2.5	height 30		5200 2)8350 4175
	2.5		mean area	5200 2)8350 4175
	2.5 200 80		mean area length	5200 2)8350 4175 210
slopes	2.5 200 80 100.0		mean area length	5200 2)8350 4175 210 41750
slopes	2.5 200 80 100.0 30		mean area length	5200 2) 8350 4175 210 41750 8350 876750
slopes base	2.5 200 80 100.0 30		mean area length	5200 2)8350 4175 210 41750 8350

heig	ht 40	area as before 2)5 2 00
height 0		mean area	2600 1000 length
		3)2	600000
		9)	866666.6
		F =	96,296.29
•		_	
A = 69,259.26			
B = 78,680.55			
C = 68,335.65			•
D = 30,833.33			
E = 32,472.22			
F = 96,296.29			
375,877.30	cube yards by	the incorrect meth	od of mean areas.
832,890.80	by the true m	ethod.	
43,487,00	error in exces	s, by this method o	f calculation.

The number of figures required by this process is 501.

EXAMPLE 5.

Let it be required to ascertain the quantity of cutting and embanking in the section represented by Fig. 8, Plate II.

By the common method of mean heights the cuttings will be found to amount to

> 121,554 cube yards The embankments to 121,756 cube yards

> > Difference only = 202

By Table 21 the quantity of cubic cutting is found to be,

Heights. Tab. No.
$$0 = 25 - 25.46 \times 300 = 7,638$$
 $25 - 30 = 72.69 \times 900 = 65,421$ $30 - 0 = 33.33 \times 400 = 13,332$ Cutting = 86,391

By Table 31 the true quantity of embankment will be found as follows:

This example alone will be sufficient to shew how important it is to contractors to calculate cuttings and embankments by the true formula, for in such cases as this a contractor who calculated by the common method of mean heights would imagine he had only two hundred and two cube yards of earth to carry from back cutting, whereas in reality he would be required to find 46,328 cube yards over and above what the cutting would produce, and what he had calculated upon, and this quantity, at the low price of four-pence per cube yard, would amount to £772 2s. 8d.

EXEMPLIFICATION OF THE USE OF THE SECOND SERIES OF TABLES.

EXAMPLE 6.

Let abcde (Fig. 4, Plate I.), represent the ground line, or longitudinal section, of part of a canal, and a bcdefgh, (Fig. 5), a cross section of the same canal. As that part of the canal below the level of the towing path is uniform, it may be calculated at one operation, as follows. the First Series of Tables to see if there be one corresponding to the given base and slopes; if there is, proceed as in the first example; if not, turn to the Second Series, and find the Table corresponding to the given slopes, which in this case is Table 49; look along the upper line of the page for the given depth below the level of the towing path, which in this example is six feet; next look along either of the side vertical colums for the same depth, six feet; at the intersection of these lines there will be found in the column of multipliers the number .2222, and in the column of additions the number 1.333. Set these numbers down and multiply the given base by the multiplier, and to the product add the number taken from the addition column, the sum will be the mean area, which is to be multiplied by the length of the section, for the content in cube yards.

Thus,

	The multiplier = 2222
	base == 16
	######################################
	13332
	2222
	3.5552
	add = 1.333
	4.888
Total	length of section from a to $e = 2500$
	24440.00
	9776
	Cube yards $=$ $12,220.000$

As the width at the bottom of the canal is sixteen feet, the slopes 1 to 1, and the depth from the level of the towing path to the bottom of the canal six feet; the width from bank to bank at the level of the towing path, or from ϵ to f, will be twenty-eight feet, and the whole width of cutting at the same level from b to g will be forty-two feet.

As there is no Table in the First Series calculated to this base, it will be necessary to have recourse to Table 51 of the Second Series, which is calculated to the given slopes of $1\frac{1}{2}$ to 1, and base 1.

In taking out the tabular numbers from this Table, it must be observed, that the depths of cuttings marked on the vertical lines abcde of Fig. 4, are supposed to be to the surface of the water, which is one foot below the level of the towing path; it will therefore be necessary to subtract one foot from each of these heights in looking for the tabular numbers.

xxxiv

DESDRIPTION OF THE TABLES.

The calculation will therefore be as follows:

	Tabula	r Num.
Heights.	Mult.	Add.
A = 3 - 24 B = 24 - 44 C = 44 - 14 D = 14 - 11	0.5000 1.2593 1.0741 0.4630	12.167 66.074 50.889 8.722

Mult.	Base.	Add.	Length.	Cube yard.
(.5000	× 42 +	12.167)×	100 ==	3,316.70 118,964.60 76,800.96
(1.2593	X 42 +	66.074	1000 =	118,964.60
T. 0741	\times 42 +	50.889	800 =	76,800.96
0.4630	× 42 +	8.722)	600 =	16,900.80
Cubic content above the leve	el of the to	owing path,	as before	•
found,	• • •			12,220.00

Total content of section = 228,203.06

EXEMPLIFICATION OF THE TABLES OF SUBSIDIARY NUMBERS,

For facilitating the Computation of Prismoids.

Rule.—Multiply the number in Table 58 by the ratio of the slopes, and those in Table 59 by the given base; add the products together, and cut off three figures towards the right for decimals; then multiply by the constant 6.1728, 6.1723 and the product will be the solidity of the prismoid.

Heights. 30 — 24.	Tabular Number, Table 58. 4892 Multiply by ratio of slopes 2	Tabular Number, Table 59. 162 Multiply by base 30
	8784	4860
	4860	
	18.644 6.173	
	40932 95508 13644 81864	
	84.224412 solid	lity of prismoid.

ξ.

EXEMPLIFICATION OF THE TABLE

For ascertaining the Quantity of Land necessary for the Formation of a Canal, Railway, or Turnpike-road.

Rule.—Add any two adjacent heights or depths of cuttings together, multiply the sum by the ratio of the slopes in the cuttings or embankments; add to this product the width of the cutting at bottom, or embankment at top, and look for the sum in the side columns in the Table; take out the corresponding tabular number, which number, multiplied by the length in feet between the heights, will give the acres and decimal parts of an acre that will be required for the given cutting.

Thus, let it be required to determine the superficial quantity of land required for the railway, a section of which is given in Plate I., Fig. 2.

The calculation will be as follows:-

Heights.	
20 + 50 =	= 70
Multiply by ratio of slopes	2.5
	350
	140
	
	175.0
add the base	30
	
Tabular number corresponding to	205 = .0047061
Multiplied	by length 400
Acres and d	lecimals 1.8824400
or 1 acre 3 roods 21 p	erches.

FIRST SERIES

. **OF**

TABLES.

BASES 10 TO 50.—SLOPES FROM 1 TO 1 TO 4 TO 1.

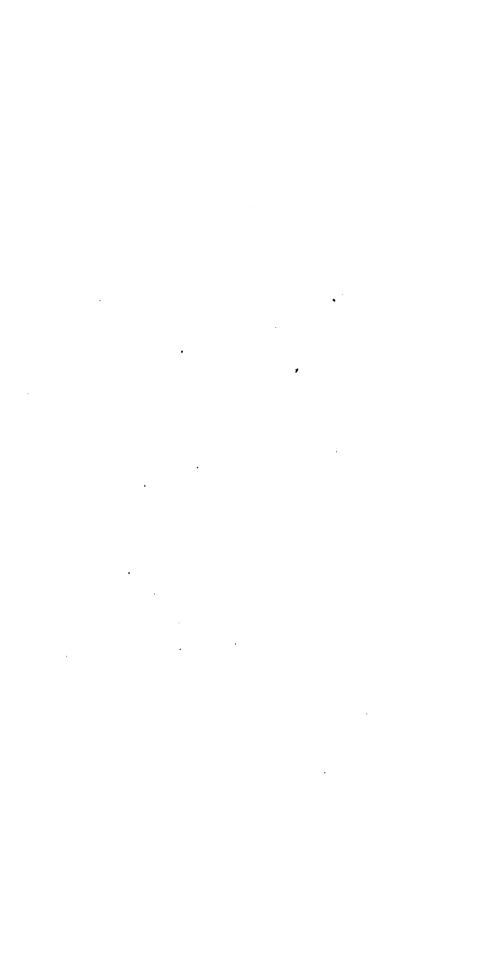


TABLE L-BASE X.-SLOPES I to 1.

Foot.	1	2	3	4	5	6	7	8	9	10	Feet.
0	.20	.42	. 67	.94	1,24	1.56	1.90	2.27	2,67	3.09	(
1	.40	. 64	.90	1.19	1.49	1.83	2.19	2.57	2.96	3,41	1
2	. 64	.89	1.16	1.46	1.78	2.12	2.49	2,89	3,31	3.75	1
3	.90	1.16	1.44	1.75	2.09	2.44	2.83	3.24	3.67	4.12	1
4	1.19	1.46	1.75	2.07	2.42	2.79	3.19	3,61	4.05	4.52	4
5	1.49	1.78	2.09	2.42	2.78	3.16	3.57	4.00	4.46	4.94	
6	1.83	2.12	2.44	2.79	3,16	3.56	3.98	4.42	4.89	5.38	
7	2.19	2.49	2.83	3.19	3.57	3.98	4.41	4.86 5.33	5.35	5.85	1
8	2.57	2.89	3.24	3,61 4,05	4.00	4.42	4.86 5.35	5.88	5.83 6.33	6.86	
10	3.41	3.75	4.12	4.52	4.94	5.38	5.85	6.35	6.86	7.41	
5.77	10 to	4.22	4.61	5.01	5.44	5.90	6.38	6.89	7.42	7.98	
$\frac{11}{12}$	3.86	4.72	5.11	5.53	5.98	6.44	6.94	7.46	8.00	8.57	
13	4.85	5.24	5.64	6.07	6.53	7.01	7.52	8.05	8.61	9.19	
14	5.38	5.78	6.20	6.64	7.11	7.61	8.12	8.67	9.24	9.83	
15	5.94	6.35	6.78	7.23	7.72	8.22	8.75	9.31	9.89	10.49	
16	6.52	6.94	7.38	7.85	8.35	8.86	9.41	9.98	10.57	11.19	
17	7.12	7.56	8.01	8.49	9.00	9.53	10.09	10.67	11.27	11.90	
18	7.75	8.20	8.67	9.16	9.68	10.22	10.79	11.38	12.00	12.64	
19	8.41	8.86	9.35	9.85	10.38	10.94	11.52	12, 12	12.75	13.41	
20	9.09	9.56	10.05	10.57	11.11	11.68	12.27	12.89	13.53	14.20	20
21	9.79	10.27	10.78	11.31	11.87	12.44	13.05	13.68	14.33	15.01	2
22	10.52	11.01	11.53	12.07	12.64	13.23	13.85	14.49	15.16	15.85	
23	11.27	11.78	12.31	12.86	13.44	14.05	14.68	15.33	16.01	16.72	2
24	12.05	12.57	13,11	13.68	14.27	14.89	15.53	16.20	16.89	17.61	
25	12.85	13.38	13.94	14.52	15.12	15.75	16.41	17.09	17.79	18.52	2
26	13.68	14.22	14.79	15.38	16.00	16.64	17.31	18.00	18.72	19.46	26
27	14.53	15.09	15.67	16.27	16.90	17.56	18,23	18,94	19.67	20.42	
28	15.41	15.98	16.57	17.19	17,83	18.49	19,19	19.90	20.64	21.41	
29	16.31	16,89	17.49	18.12	18.78	19.46	20.16	20.89	21.64	22.42	
30	17.23	17.83	18.44	19.09	19.75	20.44	21,16	21.90	22.67	23.46	
31	18, 19	18.79	19,42	20.07	20.75	21.46	22.19	22.94	23.72	24.52	
32	19.16	19.78	20.42	21.09	21.78	22,49	23, 23	24.00	24.79	25.61	
33	20.16	20.79	21.44	22.12	22.83	23.56	24.31	25.09	25.89	26.72	
34	21.19	21,83	22.49	23.19	23.90	24.64	25.41	26.20	27.01	27.85	
35	22.23	22.89	23.57	24,27	25.00	25.75	26.53	27.33	28.16	29.01	
36	23.31	23.98	24.67	25.38	26.12	26.89	27.68	28.49	29.33	30.20	
37	24.41	25.09	25.79	26.52	27.27	28.05	28.85	29.68	30.53	31.41	
38	25.53	26.22	26.94	27.68	28.44	29.23	30.05	30.89 32.12	31.75 33.00	32.64 33.90	
39 40	26.68	27.38 28.57	28.11 29.31	28.86 30.07	29.64 30.86	$30.44 \\ 31.68$	$31.27 \\ 32.52$	33.38	34.27	35.19	
	27.85		1.500	200 200	200	600	The state of the s	100		10000	
41	29.05	29.78	30.53	31.31	32.11	32.94	33.79	34.67	35.57 36.89	36.49 37.88	
42 43	$30.27 \\ 31.52$	$31.01 \\ 32.27$	31.78 33.05	32.57 33.85	33.38	$34.22 \\ 35.53$	35.09 36.41	35.98 37.31	38, 23	39.19	
44	31.52	33.56	34.35	35.16	36.00	36.86	37.75	38.67	39.61	40.57	
45	34.09	34.86	35.67	36.49	37.35	38.22	39.12	40.05	41.00	41.98	
46		1-50-5	90.279.00		100 mg	39.61	40.52	41.46	42.42	43.41	
47	35.41 36.75	36.20 37.56	37.01 38.38	37.85 39.23	38.72 40.11	41.01	41,94	42.89	43.86	44.86	
48	38.12	38.94	39.78	40.64	41.53	42.44	43.38	44.35	45.33	46.35	
49	39.52	40.35	41.20	42.07	42.98	43.90	44.85	45.83	46.83	47.85	
50	40.94	41.78	42.64	43.58	44.44	45.38	46.35	47.33	48.35	49,38	
1	1	2	3	4	5	6	7	8	9	10	-

TABLE I.—BASE X.—SLOPES 1 to 1.

Foot.	11	12	13	14	15	16	17	18	19	20	Feet.
0	3.53	4.00	4.49	5.01	5.56	6.12	6.72	7.83	7.98	8.64	0
1	3.86	4.35	4.85	5.38	5.94	6.52	7.12	7.75	8.41	9.09	1
2	4.22	4.72	5.24	5.78	6.35	6.94	7.56	8.20	8.86	9.56	2
3	4.61	5.11	5.64	6.20	6.78	7.38	8.01	8.67	9.35	10.05	3
4	5.01	5.53	6.07	6.64	7.23	7.85	8,49	9.16	9.85	10.57	4
5	5.44	5.98	6.53	7.11	7.72	8.35	9.00	9.68	10.38	11.11	5
6	5.90	6.44	7.01	7.61	8.22	8.86	9.53	10.22	10.94	11.68	6
7	6.38	6.94	7.52	8.12	8.75	9.41	10.09	10.79	11.52	12.27	7
8	6.89	7.46	8.05	8.67	9.31	9.98	10.67	11.38	12.12	12,89	8
9	7.42	8.00	8.61	9.24	9.89	10.57	11.27	12,00	12.75	13.53	
10	7.98	8.57	9.19	9.83	10.49	11.19	11.01	12.64	13,41	14.20	10
11	8.56	9.16	9.79	10.44	11.12	11.83	12.55	13.31	14.09	14.89	11
12	9.16	9.78	10.42	11.09	11.78	12.49	13.23	14.00	14.79	15.61	
13	9.79	10.42	11.07	11.75	12.46	13.19	13.94	14.72	15.52	16.35	13
14	10.44	11.09	11.75	12.44	13.16	13.90	14.67	15,46	16.27	17.11	14
15	11.12	11.78	12.46	13.16	13.89	14.64	15.42	16,22	17.05	17,90	15
16	11.83	12.49	13.19	13,90	14.64	15.41	16.20	17.01	17.85	18.72	16
17	12.55	13.23	13.94	14.67	15.42	16.20	17.00	17.83	18.68	19.56	17
18	13.31	14.00	14.72	15.46	16.22	17.01	17.83	18.67	19.53	20.42	18
19	14.09	14.79	15.52	16.27	17.05	17.85	18.68	19.53	20.41	21.31	19
20	14.89	15.61	16.35	17.11	17.90	18.72	19.56	20.42	21.31	22,22	20
21	15.72	16.44	17.20	17.98	18.78	19.61	20.46	21.33	22.23	23.16	21
22	16.57	17.31	18.07	18.86	19.68	20.52	21.38	22.27	23.19	24.12	
23	17.44	18.20	18.98	19.78	20.61	21,46	22.33	23,23	24.16	25.11	
24	18.35	19.11	19.90	20.72	21.57	22.42	23,31	24.22	25.16	26.12	24
25	19.27	20.05	20.85	21.68	22.53	23.41	24.31	25.23	26.19	27.16	25
26	20.22	21.01	21.83	22.67	23.53	24.42	25.33	26.27	27.23	28.22	26
27	21,20	22.00	22,83	23.68	24.56	25.45	26.38	27.33	28.31	29.31	
28	22,20	23.01	23.85	24.72	25.61	26.52	27.46	28.42	29,41	80.42	
29	23.22	24.05	24.90	25.78	26.68	27.61	28.56	29.53	30.53	31.56	
30	24.27	25,11	25.98	26.86	27.78	28.72	29.68	30.67	31.68	32.72	30
31	25.35	26.20	27.07	27.98	28,90	29.85	30.83	31.83	32.85	33.90	31
32	26.44	27.31	28.20	29,11	30.05	31.01	32.00	33.01	34.05	35.11	
33	27.57	28,44	29.35	30.27	31.22	32,20	33.20	34.22	35.27	86.85	
34	28.72	29.61	30.52	31.46	32.42	33,41	84.42	35.46	36.52	37.61	
35	29,89	30.79	31.72	32.67	33.64	34.64	35.67	36.72	37.79	38.89	35
36	31.09	32.00	32.94	83.90	34.89	35.90	36.94	38.00	89.09	40.20	36
37	32.31	33.23	34.19	35.16	36.16	37.19	38.23	39.31	40.41	41.53	
38	33.56	34.49	35.46	36.44	37.46	38.49	39.56	40.64	41.75	42.89	
39	34.83	35.78	36.75	37.75	38.78	39.83	40.90	42.00	43.12	44.27	
40	36.12	37.09	38.07	39.09	40.12	41.19	42.27	43.38	44.52	45.68	
41	37.44	38.42	39.42	40.44	41.49	42.57	43.67	44.79	45.94	47.11	41
42	38.79	39.78	40.79	41.83	42.89	43.98	45.09	46.22	47.38	48.57	1000
43	40.16	41.16	42.19	43.23	44.31	45.41	46.53	47.68	48.85	50.05	
44	41.56	42.57	43.61	44.67	45.75	46.86	48.00	49.16	50.35	51.56	
45	42.98	44.00	45,05	46.12	47.22	48.35	49.49	50.67	51.86	53.09	
46	44.42	45.46	46.52	47.61	48.72	49.85	51.01	52.20	58.41	54.64	100
47	45.89	46.94	48.01	49.11	50.23	51.38	52.56	53.75	54.98	56.22	
48	47.38	48,44	49.53	50.64	51.78	52.94	54.12	55.33	56.57	57.83	
49	48.90	49.98	51.07	52.20	53.35	54.52	55.72	56.94	58.19	59.46	
50	50,44	51.53	52.64	53.78	54.94	56.12	57.33	58.57	59.83	61.11	
	11	12	13	14	15	16	17	18	19	20	-

Feet.	21	22	23	24	25	26	27	28	29	30	Feet.
0	9.33	10.05	10.79	11.56	12.35	13.16	14.00	14.86	15.75	16.67	0
1	9.79	10.52	11.27	12.05	12.85	13.68	14.53	15.41	16.31	17.23	1
2	10.27	11.01	11.78	12.57	13.38	14.22	15.09	15.98	16,89	17.83	
3	10.78	11,53	12.31	13, 11	13.94	14.79	15.67	16.57	17.49	18.44	3
4	11.31	12.07	12.86	13,68	14.52	15.38	16.27	17.19	18.12	19.09	1 3
5	11.86	12.64	13.44	14.27	15.12	16.00	16.90	17.83	18.78	19.75	5
6	12.44	13.23	14.05	14.89	15.75	16.64	17.56	18,49	19.46	20.44	6
7	13.05	13.85	14.68	15.53	16.41	17.31	18.23	19,19	20.16	21.16	7
8	13.68	14.49	15.33	16.20	17.09	18.00	18.94	19.90	20.89	21.90	
9	14.33	15.16	16.01	16,89	17.79	18.72	19.67	20.64	21.64	22.67	
10	15.01	15.85	16.72	17.61	18,52	19.46	20.42	21,41	22,42	23.46	10
11	15.72	16.57	17.44	18.35	19.27	20.22	21.20	22.20	23.22	24.27	11
12	16,44	17.31	18.20	19,11	20.05	21.01	22.00	23.01	24.05	25.11	12
13	17.20	18.07	18.98	19.90	20.85	21.83	22.83	23.85	24.90	25.98	13
14	17.98	18.86	19.78	20.72	21.68	22.67	23.68	24.72	25.78	26,86	
15	18.78	19,68	20.61	21.56	22.53	23,53	24.56	25.61	26,68	27.78	15
16	19.61	20.52	21.46	22.42	23.41	24.42	25.45	26.52	27.61	28.72	16
17	20.46	21.38	22.33	23.31	24.31	25.33	26.38	27.46	28.56	29.68	17
18	21.33	22.27	23.23	24, 22	25.23	26.27	27.33	28.42	29.53	30.67	18
19	22.23	23.19	24.16	25.16	26.19	27.23	28.31	29.41	30.53	31.68	
20	23.16	24, 12	25.11	26.12	27.16	28,22	29.31	30,42	31.56	32.72	20
21	24.11	25.09	26.09	27.11	28.16	29.23	30.33	31.46	32.61	33.78	21
22	25.09	26.07	27.09	28.12	29.19	30.27	31.38	32.52	33.68	34.86	22
23	26.09	27.09	28.11	29.16	30.23	31.33	32.46	33,61	34.78	35.98	23
24	27.11	28.12	29.16	30.22	31.31	32.42	33.56	34.72	35.90	37.11	24
25	28.16	29.19	30.23	31.31	32.41	33.53	34.68	35.85	37.05	38.27	25
26	29.23	30,27	31.33	32,42	33.53	34.67	35.83	37.01	38.22	39.46	26
27	30.33	31.38	32.46	33.56	34.68	35.83	37.00	38.20	39.42	40.67	27
28	31.46	32,52	33,61	34.72	35.85	37.01	38.20	39.41	40.64	41.90	28
29	32.61	33,68	34.78	35,90	37.05	38,22	39,42	40.64	41.89	43.16	
30	33.78	34,86	35.98	37.11	38.27	39,46	40,67	41.90	43.16	44.44	30
31	34.98	36.07	37.20	38.35	39.52	40.72	41.94	43.19	44.46	45.75	31
32	36.20	37.31	38.44	39.61	40.79	42.00	43.23	44.49	45.78	47.08	32
33	37.44	38.57	39.72	40.89	42.09	43.31	44.56	45,83	47.12	48.44	33
34	38.72	39.85	41.01	42.20	43.41	44.64	45.90	47.19	48.49	49.83	34
35	40.01	41.16	42.33	43.53	44.75	46.00	47.27	48.58	49.89	51.23	35
36	41.33	42.49	43.68	44.89	46.12	47.38	48.67	49.98	51.31	52.67	36
37	42.68	43.85	45.05	46.27	47.52	48.79	50.09	51.41	52.75	54.12	37
38	44.05	45,23	46.44	47.68	48.94	50.22	51.53	52.86	54.22	55.61	
39	45.44	46,64	47.86	49.11	50.38	51.68	53.00	54,35	55.72	57.11	
40	46.86	48.07	49.31	50.57	51.85	53.16	54.49	55.85	57.23	58.64	40
41	48.31	49.53	50.78	52.05	53.35	54.67	56.01	57.38	58.78	60.20	41
42	49.78	51.01	52.27	53.56	54.86	56.20	57.56	58.94	60.35	61.78	42
43	51.27	52.52	53.79	55.09	56.41	57.75	59.12	60.52	61.94	63.38	43
44	52.79	54.05	55.33	56.64	57.98	59.33	60.72	62.12	63.56	65.01	44
45	54.33	55.61	56.90	58.22	59.57	60.94	62.33	63,75	65.20	66.67	45
46	55.90	57.19	58.49	59.83	61.18	62.57	63.98	65.41	66.86	68.35	46
47	57.49	58.79	60.11	61.46	62.83	64.22	65.64	67.09	68.56	70.05	
48	59.11	60.42	61.75	63,11	64.49	65.90	67.33	68.79	70,27	71.78	
49	60.75	62.07	63.42	64.79	66.19	67.61	69.05	70.52	72.01	73.53	
50	62.42	63.75	65.11	66.49	67.90	69.33	70.79	72,27	73.78	75.31	50
		22	5.5			F 17 77 FT	1000			7-27	

Post.	31	32	33	34	35	36	37	38	39	40	Feet.
0	17,61	18,57	19.56	20.57	21.61	22.67	23.75	24.86	26.00	27.16	-
1	18.19	19.16	20.16	21.19	22.23	23.31	24,41	25.53	26.68	27.85	1
2	18.79	19.78	20.79	21.83	22.89	23.98	25.09	26.22	27.38	28.57	5
3	19.42	20.42	21.44	22,49	23.57	24.67	25.79	26.94	28.11	29,31	1
4	20.07	21.09	22.12	23.19	24.27	25.38	26.52	27.68	28.86	30.07	1
5	20.75	21.78	22,83	23.90	25.00	26.12	27.27	28.44	29.64	30.86	
6	21.46	22,49	23.56	24.64	25.75	26.89	28.05	29.23	30.44	31.68	1
7	22.19	23,23	24.31	25.41	26.53	27.68	28.85	30.05	31.27	32.52	
8	22.94	24.00	25.09	26.20	27.33	28.49	29.68	30.89	32.12	33.38	
9	23.72	24.79	25.89	27.01	28.16	29.33	30.53	31.75	33.00	34.27	13
10	24.52	25.61	26.72	27.85	29.01	30.20	31.41	32.64	33.90	35.19	1
11	25.35	26.44	27.57	28.72	29.89	31.09	32.31	33.56	34.83	36.12	1
12	26,20	27.31	28.44	29.61	30,79	32.00	33.23	34.49	35.78	37.09	
13	27.07	28.20	29.35	30.52	31.72	32.94	34.19	35.46	36.75	38.07	
14	27.98	29.11	30.27	31.46	32.67	33.90	35.16	36.44	37.75	39.09	
15	28.90	30.05	31.22	32.42	33.64	34.89	36.16	37.46	38.78	40.12	
16	29.85	81.01	32.20	33,41	34.64	35.90	37.19	38.49	39.83	41.19	
17	30.82	32.00	33.20	34.42	35.67	36.94	38.23	39.56	40.90	42.27	
18	31.83	33.01	34.22	35.46	36.72	38.00	39.31	40.64	42.00	43.38	
19	32.85	34.05	35.27	36.52	37.79	39.09	40.41	41.75	43.12	44.52	
20	33.90	35.11	36.35	37.61	38.89	40.20	41.53	42,89	44.27	45.68	
21	34.98	36.20	37.44	38.72	40.01	41.33	42.68	44.05	45.44	46.86	•
22	36.07	37.31	38.57	39.85	41.16	42,49	43.85	45.23	46.64	48.07	
23	37.20	38.44	39.72	41.01	42.33	43.68	45.05	46.44	47.86	49.31	
24	38.35	39.61	40.89	42.20	43.53	44.89	46.27	47.68	49.11	50.57	
25	39.52	40.79	42.09	43.41	44.75	46.12	47.52	48,94	50.38	51.85	
26	40.72	42.00	43,31	44.64	46.00	47.38	48.79	50.22	51.68	53.16	
27	41.94	43.23	44.56	45.90	47.27	48.67	50.09	51.53	53.00	54.49	
28	43.19	44.49	45.83	47.19	48.58	49.98	51.41	52.86	54.35	55.85	
29	44.46	45.78	47.12	48.49	49.89	51.31	52.75	54.22	55.72	57.23	
30	45.75	47.09	48.44	49.83	51.23	52.67	54.12	55.61	57.11	58.64	
31	200	6-17-17-17	10 Carlo 440 /		10000	Caron and	2.0	. 2000000000000000000000000000000000000	F	60.07	
32	47.07	48.42	49.79	51.19	52.61	54.05	55.52	57.01 58.44	58.53	61.53	
33	48.42	49.78 51.16	51.16 52.56	52.57 53.98	54.00 55.42	55.46 56.89	56.94 58.38	59.90	59.98 61.44	63.01	
34	51.19	52.57	53.98	55.41	56.86	58.35	59.85	61.38	62.94	64.52	1
35	52.61	54.00	55.42	56.86	58.33	59.83	61.35	62.89	64.46	66.05	r
	Carrier To	V 2000	A-14 A-15 A	School Room	Trefugion (A 51 P (41 PA)	19/19/19/20	(1996 N.	100		1
36	54.05	55.46	56.89	58.35	59.83	61.33	62.86	64.42	66.00	67.61	
37	55.52	56.94	58.38	59.85	61.35	62.86	64.41	65.98	67.57	69.19 70.79	
38	57.01 58.53	58.44	59.90	61.38	62.89 64.46	64.42	65.98	67.56 69.16	69.16	72.42	
40	60.07	61.53	61.44	$62.94 \\ 64.52$	66.05	66.00	67.57 69.19	70.79	72.42	74.07	
100	200	0.000	175 175 175	1000000	10.00	67.61		0.00000	100		
41	61.64	63.11	64.61	66.12	67.67	69.23	70.83	72.44	74.09	75.75	
42	63.23	64.72	66.22	67.75	69.31	70.89	72.49	74.12	75.78	77.46	
43	64,85	66.35	67.86	69.41	70.98	72.57	74.19	75.83	77.49	79.19	
44	66.49	68.00	69.53	71.09	72.67	74.27	75.90	77.56	79.23	80.94	
45	68.16	69.68	71.22	72.79	74.38	76.00	77.64	79.31	81.00	82.72	
46	69.85	71.38	72.94	74.52	76.12	77.75	79.41	81.09	82.79	84.52	
47	71.57	73.11	74.68	76.27	77.89	79.53	81.20	82.89	84.60	86.35	
48	73,31	74.86	76.44	78.05	79.68	81.33	83.01	84.72	86,44	88.20	1.0
49	75.07	76.64	78.23	79.85	81.49	83.16	84.85	86.57	88.31	90.07	
50	71.86	78.44	80.09	81.68	83.33	85.01	86.72	88.44	90.20	91.98	9
	31	32	33	34	35	36	37	38	39	40	-

Poet.	41	42	43	44	45	46	47	48	49	50	Freet
0	28.35	29.56	30.79	32.05	88.88	34.64	85.98	87.88	38.72	40.12	1
1	29.05	30.27	31.52	32.79	34.09	35.41	36.75	38.12	39.52	40.94	
2	29.78	31.01	32.27	33.56	34.86	36.20	87.56	38,94	40.35	41.78	1
3	30,53	31.78	33.05	34.35	35.67	37.01	38,38	39.78	41.20	42.64	
4	31.31	32.57	88.85	35,16	36.49	37.85	39.23	40.64	42.07	43.58	l,
5	32.11	33.38	34.68	36.00	37.35	38.72	40.11	41,53	42.98	44.44	
6	32.94	34, 22	35.53	36.86	38.22	39.61	41.01	42.44	43,90	45.88	7
7	33,79	35,09	36,41	87.75	39.12	40.52	41.94	43.38	44,85	46.35	1
8	34.67	35.98	37.31	38.37	40.05	41.46	42.89	44.35	45,83	47.33	Ŋ
9	35.57	36.89	38.23	39,61	41.00	42,42	43.86	45.33	46.83	48.35	
10	36,49	37.83	39.19	40.57	41.98	43.41	44.86	46.35	47.85	49.38	1
11	37.44	38.79	40.16	41.56	42.98	44.42	45.89	47.38	48.90	50,44	1
12	38,42	39.78	41.16	42.57	44.00	45,46	46.94	48.44	49.98	51.58	1
13	39.42	40.79	42.19	43.61	45.05	46.52	48.01	49.53	51.07	52.64	1
14	40,44	41.83	43.23	44.67	46.12	47.61	49,11	50.64	52.20	53.78	
15	41.49	42.89	44.31	45.75	47.22	48.72	50.23	51.78	53.35	54.94	1.
16	42.57	43.98	45.41	46.86	48.35	49.85	51.38	52.94	54.52	56.12	1
17	43.67	45.09	46.53	48.00	49.49	51.01	52.56	54.12	55.72	57.33	
18	44,79	46.22	47.68	49.16	50.67	52.20	53.75	55.33	56.94	58.57	
19	45.94	47.38	48.85	50.35	51.86	53.41	54.98	56.57	58.19	59.83	
20	47.11	48.57	50.05	51.56	53.09	54.64	56.22	57.83	59.46	61,11	
21	48,31	49.78	51.27	52.79	54.33	55.90	57.49	59.11	60.75	62.42	
22	49.53	51.01	52.52	54.05	55.61	57.19	58.79	60.42	62.07	63.75	
23	50.78	52.27	53.79	55.33	56.90	58.49	60,11	61,75	63.42	65.11	
24	52.05	53.56	55.09	56.64	58.22	59.83	61.46	63.11	64.79	66.49	
25	53.35	54.86	56.41	57.98	59.57	61.18	62.83	64.49	66.19	67.90	1.1
26	54.67	56.20	57.75	59.33	60,94	62.57	64.22	65.90	67.61	69.33	
27	56.01	57.56	59.12	60.72	62.33	63.98	65.64	67.33	69.05	70.79	
28	57.38	58.94	60.52	62.12	63.75	65.41	67.09	68.79	70.52	72.27	
29	58.78 60.20	60.35	61,94	63,56 65.01	65.20 66.67	66.86 68.35	68.56 70.05	70.27 71.78	72.01 73.53	73.78 75.31	
30	10000	100000	V200000	Petuting all	100 C C C	100	1000	7.16	100000	Y 5 12 16 17	
31	61.64	63.23	64.58	66,49	68.16	69.85	71.57	73.31	75.07	71.86	
32	63.11	64.72 66,22	66,35	68,00 69.53	69.68 71.22	71.38 72.94	73.11 74.68	74.86	76.64 78.23	78.44	
33	66.12	67.75	69.41	71.09	72.79	74,52	76.27	78.05	79.85	80.09 81.68	
35	67.67	69.31	70.98	72.67	74.38	76.12	77.89	79,68	81.49	88.33	
36	69.23	70,89	72.57	74.27	76.00	77.75	79.53	81.33	83.16	85.01	
37	70.83	72.49	74.19	75.90	77.64	79.41	81.20	83.01	84.85	86.72	
38	72.44	74.12	75.83	77.56	79.31	81.09	82.89	84.72	86.57	88.44	
39	74.09	75.78	77.49	79.23	81.00	82.79	84.60	86.44	88.31	90.20	
10	75,75	77.46	79.19	80.94	82.72	84.52	86.35	88.20	90.07	91.98	
11	77.44	79.16	80.90	82,67	84.46	86.27	88.11	89.98	91.86	93.78	(4)
12	79.16	80.89	82.64	84.42	86.22	88.05	89.90	91.78	93.68	95.60	
13	80.90	82.64	84.41	86.20	88.01	89.85	91.72	98.60	95.52	97.46	
14	82.67	84.42	86.20	88.00	89.83	91.68	93.56	95.46	97.38	99.33	
15	84.46	86,22	88.01	89,83	91.67	93.53	95.42	97.33	99.27		
16	86.27	88.05	89.85	91.68	93.53	95.41	97.31	99.28	101.19	103.16	4
47	88.11	89.90	91.72	93.56	95.42	97.31				105.11	
48	89,98	91.78	93.60	95.46	97.33					107.09	
19	91,86	93.68	95.52	97.38	99.27	101.19	103.12	105,09	107.07	109.09	4
50	93.78	95.60	97.46	99,33	101.23	103.16	105.11	107.09	109.09	111.11	5
	41	42	43	44	45	46	47	48	49	50	-

7

TABLE IL.—BASE X.—SLOPES 11 to 1.

Feet.	1	2	3	4	5	6	7	8	9	10	Foot.
0	.20	.44	.72	1.04	1.39	1.78	2,20	2.67	3.17	3.70	1
1	.43	. 69	.98	1.32	1.69	2.09	2.54	3.02	3.54	4.09	1
2	. 69	.96	1.28	1.63	2.02	2.44	2.91	3.41	3.94	4.52	2
3	.98	1.28	1.61	1.98	2.39	2.83	3.32	3.83	4.39	4.98	18
4	1.32	1.63	1.98	2,37	2.80	3.26	3.76	4.30	4.87	5.48	1
5	1.69	2.02	2,39	2.80	3.24	3.72	4.24	4.80	5.39	6.02	1
6	2.09	2.44	2.83	3.26	3.72	4.22	4.76	5.88	5.94	6.59	1 6
7	2.54	2.91	3.32	3.76	4.24	4.76	5.32	5.91	6.54	7.20	1
8	3.02	3.41	3.83	4.30	4.80	5.33	5.91	6.52	7.17	7.85	1
9	3.54	3.94	4.39	4.87	5.39	5.94	6.54	7.17	7.83	8.54	1
10	4.09	4.52	4.98	5.48	6.02	6.59	7.20	7.85	8.54	9.26	10
11	4.69	5.13	5.61	6.13	6.69	7.28	7.91	8.97	9.28	10.02	1
12	5.32	5.78	6.28	6.82	7.39	8.00	8.65	9.33	10.06	10.82	
13	5.98	6.46	6.98	7.54	8.13	8.76	9.43	10.13	10.87	11.65	18
14	6.69	7.19	7.72	8.30	8.91	9.56	10.24	10.96	11.72	12.52	14
15	7.43	7.94	8.50	9.09	9.72	10.39	11.09	11.83	12.61	13.43	1
16	8.20	8.74	9.32	9.93	10.57	11.26	11.98	12.74	13.54	14.37	16
17	9.02	9.57	10.17	10.80	11.46	12.17	12.91	13.69	14.50	15.35	
18	9.87	10.44	11.06	11.70	12.36	13.11	13.87	14,68	15.50	16.37	
19	10.76	11.35	11.98	12.65	13.35	14.09	14.87	15.69	16.54	17.43	
20	11.69	12.30	12,94	13.68	14.35	15.11	15.91	16.74	17.61	18.52	
21	12.65	13.28	13.94	14.65	15.39	16.17	16.98	17.83	18.72	19.65	2
22	13.65	14.30	14.98	15.70	16.46	17.26	18.09	18.96	19.87	20.82	
23	14.69	15.35	16.06	16.80	17.57	18.39	19.24	20.13	21.06	22.02	
24	15.76	16,44	17.17	17.98	18.72	19.56	20,43	21.33	21.28	23.26	
25	16.87	17.57	18.32	19.09	19.31	20.76	21.65	22.57	23.54	24.54	
26	18.02	18.74	19.50	20.30	21.13	22.00	22.91	23.85	24.83	25.85	26
27	19.20	19.94	20.72	21.54	22.39	23.28	24.20	25.17	26.17	27.20	
28	20.43	21.19	21.98	22.82	23,69	24.59	25.54	26.52	27.54	28.59	
29	21.69	22.46	23.28	24.13	25.02	25.94	26.91	27.91	28.94	30.02	
30	22.98	23.78	24.61	25,48	26.39	27.33	28.32	29.83	30.89	31.48	
31	24.32	25.13	25.98	26.87	27.80	28.76	29.76	80.80	31.87	32.98	
32	25.69	26.52	27.39	28.30	29.24	30.22	31.24	32.30	33.39	84.52	
33	27.09	27.94	28.83	29.76	30.72	31.72	32.76	33.83	34.94	36.09	
34	28.54	29.41	30.32	31.26	32.24	33,26	34.32	35.41	36.54	37.70	
35	30.02	30.91	31.83	32.80	33.80	34.83	85.91	37.02	38.17	39.35	
36	31.54	32.44	33.39	34.37	35.39	36.44	37.54	38.67	39.83	41.04	
37	33.09	34.02	34.98	35.98	37.02	38.09	39.20	40.35	41.54	42.76	
38	34.69	35.63	36.61	37.63	38.69	39.78	40.91	42.07	43.28	44.52	
39	36.32	37.28	38.28	39.32	40.39	41.50	42.65	43.83	45.06	46.32	
40	37.98	38.96	39.98	41.04	42.13	43.26	44.43	45.63	46.87	48:15	
41	39.69	40.69	41.72	42.80	43.91	45.06	46.24	47.46	48.72	50.02	
42	41.43	42.44	43,50	44.59	45.72	46.89	48.09	49.33	50.61	51.93	
43	43.20	44.24	45.32	46.43	47.57	48.76	49.98	51.24	52.54	53.87	
44	45.02	46.07	47.17	48.30	49.46	50.67	51.91	58.19	54.50	55.85	
45	46.87	47.94	49.06	50.20	51.39	52.61	53.87	55.17	56.50	57.87	
46	48.76	49.85	50.98	52.15	53.35	54.59	55.87	57.19	58.54	59.93	
47	50.69	51.80	52.94	54.13	55.35	56.61	57.91	59.24	60.61	62.02	
48	52.65	53.78	54.94	56.15	57.39	58.67	59.98	61.33	62.72	64.15	
49	54.65	55.80	56.98	58.20	59.46	60.76	62.09	63.46	64.87	66.31	
50	56.69	57.85	59.06	60.30	61.57	62.89	64.24	65.63	67.06	68.52	
	1	2	3	4	5	6	7	8	9	10	-

TABLE II.—BASE X.—SLOPES 11 to 1.

Feet,	11	12	13	14	15	16	17	18	19	20	Poot
0	4.28	4.89	5.54	6.22	6.94	7.70	8.50	9.33	10.20	11.11	
1	4.69	5.32	5.98	6.69	7.43	8.20	9.02	9.87	10.76	11.69	
2	5.13	5.78	6.46	7.19	7.94	8.74	9.57	10.44	11.35	12.30	
3	5.61	6.28	6.98	7.72	8.50	9.32	10.17	11.06	11.98	12.94	
4	6.13	6.82	7.54	8.30	9.09	9.93	10.80	11.70	12.65	13.63	
5	6.69	7.39	8.13	8.91	9.72	10.57	11.46	12.39	13.35	14.35	
6	7.28	8.00	8.76	9.56	10.39	11.26	12.17	13.11	14.09	15.11	1
7	7.91	8.65	9.43	10.24	11.09	11.98	12.91	13.87	14.87	15.91	
8	8.57	9.33	10.13	10.96	11.83	12.74	13.69	14.67	15.69	16.74	
9	9.28	10.06	10.87	11.72	12.61	13.54	14.50	15.50	16.54	17.61	
10	10.02	10.82	11.65	12.52	13.43	14.37	15.35	16.37	17.43	18.52	
11	10.80	11.61	12.46	13.35	14.28	15.24	16.24	17.28	18.35	19.46	1
12	11.61	12.44	13.32	14.22	15.17	16.15	17.17	18.22	19.32	20.44	
13	12.46	13.32	14.20	15.13	16.09	17.09	18.13	19.20	20.32	21.46	
14	13.35	14.22	15.13	16.07	17.06	18.07	19.13	20.22	21.35	22.52	
15	14.28	15.17	16.09	17.06	18.06	19.09	20.17	21.28	22.43	23.61	
16	15.24	16.15	17.09	18.07	19.09	20.15	100	22.37	23.54	24.74	1
						21.24	21.24				
17	16.24	17.17	18.13	19.13	20.17		22.35	23.50	24.69	25.91	
18	17.28	18.22	19.20	20.22	21.28	22.37	23.50	24.67	25.87	27.11	
19	18.35	19.32	20.32	21.35	22.43	23.54	24.69	25.87	27.09	28.35	
20	19.46	20.44	21.46	22.52	23.61	24.74	25.91	27.11	28.35	29,63	r.
21	20.61	21.61	22.65	23.72	24.83	25.98	27.17	28.39	29.65	30.94	
22	21.80	22.82	23.87	24.96	26.09	27.26	28.46	29.70	30.98	32,30	
23	23.02	24.06	25.13	26.24	27.39	28.57	29.80	31.06	32.35	33.69	1 -
24	24.28	25.33	26.43	27.56	28.72	29.93	31.17	32.44	33.76	35.11	
25	25.57	26.65	27.76	28.91	30.09	31.32	32.57	33.87	35.20	36.57	2
26	26.91	28.00	29.13	30.30	31.50	32.74	34.02	35.33	36.69	38.07	2
27	28.28	29.39	30.54	31.72	32.94	34.20	35.50	36.83	38.20	39.61	2
28	29.69	30.82	31.98	33.19	34.43	35.70	37.02	38.37	39.76	41.19	2
29	31.13	32.28	33.46	34.69	35.94	37.24	38.57	39.94	41.35	42.80	2
30	32.61	33.78	34.98	36.22	37.50	38.82	40.17	41.56	42.98	44.44	3
31	34.13	85, 32	36.54	87.80	39.09	40.43	41.80	43.20	44.65	46.13	3
32	35.69	36.89	38.13	39.41	40.72	42.07	43.46	44.89	46.35	47.85	
33	37.28	38.50	39.76	41.06	42.39	43.76	45.17	46.61	48.09	49.61	
34	38.91	40.15	41.43	42.74	44.09	45.48	46.91	48.37	49.87	51.41	
35	40.57	41.83	43.13	44.46	45.83	47.24	48.69	50.17	51.69	53.24	
36	42.28	43.56	44.87	46.22	47.61	49.04	50.50	52.00	53,54	55.11	L
37	44.02	45.32	46.65	48.02	49.43	50.87	52.35	53.87	55.43	57.02	
38	45.80	47.11	48.46	49.85	51.28	52.74	54.24	55.78	57.35	58.96	
39	47.61	48.94	50.31	51.72	53.17	54.65	56.17	57.72	59.31	60.94	
10	49.46	50.81	52.20	53.63	55.09	56.59	58.13	59.70	61.31	62.96	
~ I	Section 18 Co.	Transfer of the	September 1997	The second views	Part 1919	the resident	200	15 10 10 10	Department of the		
11	51.35	52.72	54.13	55.57	57.06	58.57	60.13	61.72	63.35	65.02	
2	53.28	54.67	56.09	57.56	59.06	60.59	62.17	63.78	65.43	67.11	
13	55.24	56.65	58.09	59.57	61.09	62.65	64.24	65.87	67.54	69.24	
14	57.24	58.67	60.13	61.63	63.17	64.74	66.35	68.00	69.69	71.41	
5	59.28	60.72	62,20	63.72	65.28	66.87	68.50	70.17	71.87	73.61	
6	61.35	62.81	64,31	65.85	67.43	69.04	70.69	72.37	74.09	75.85	
7	63.46	64.94	66.46	68.02	69.61	71.24	72.91	74.61	76.35	78,13	
18	65.61	67.11	68.65	70.22	71.83	73.48	75.17	76.89	78.65	80.44	
19	67.80	69.31	70.87	72.46	74.09	75.76	77.46	79.20	80.98	82.80	
0	70.02	71.56	73.13	74.74	76.39	78.07	79,80	81.56	83,35	85.19	5
1	11	12	13	14	15	16	17	18	19	20	F

9

Feet.	21	22	23	24	25	26	27	28	29	30	Feet.
0	12.06	13.04	14.06	15.11	16.20	17.33	18.50	19.70	20.94	22.22	0
1	12.65	13.65	14.69	15.76	16.87	18.02	19.20		21.69	22.98	
2	13.28	14.30	15.35	16.44	17.57	18.74	19.94	21.19	22.46	23.78	2
3	13.94	14.98	16.06	17.17	18.32	19.50	20.72	21.98	23.28	24.61	1 5
4	14.65	15.70	16.80	17.93	19.09	20.30	21.54	22.82	24.13	25.48	4
5	15.39	16.46	17.57	18.72	19.91	21.13	22.39	23.69	25.02	26.39	
6	16.17	17.26	18.39	19.56	20.76	22.00	23.28	24.59	25.94	27.33	
7	16.98	18.09	19.24	20.43	21.65	22.91	24.20	25.54	26.91	28,32	7
8	17.83	18.96	20.13	21.33	22.57	23.85	25.17	26.52	27.91	29.33	1
9	18.72	19.87	21.06	22.28	23.54	24.83	26.17	27.54	28.94	30.39	1
10	19.65	20.82	22.02	23.26	24.54	25.85	27.20	28.59	30.02	31,48	10
11	20.61	21.80	23.02	24.28	25.57	26.91	28.28	29.69	31.13	32.61	17
12	21.61	22.82	24.06	25.33	26.65	28.00	29.39	30.82	32.28	33.78	15
13	22.65	23.87	25.13	26.43	27.76	29.13	30.54	31.98	33.46	34.98	13
14	23.72	24.96	26.24	27.56	28.91	30.30	31.72	33.19	34.69	36.22	14
15	24.83	26.09	27.39	28.72	30.09	31.50	32.94	34,43		37.50	
16	25.98	27.26	28.57	29.93	31.32	32.74	34.20	35.70	37.24	38.82	16
17	27.17	28.46	29.80	31.17	32.57	34.02	35.50	37.02	38.57	40.17	
18	28.39	29.70	31.06	32.44	33.87	35.33	36.83	38.37	39.94	41.56	
19	29.65	30.98	32.35	33.76	35.20	36.69	38.20	39.76		42.98	
20	30.94	32.30	33.69	35.11	36.57	38.07	39,61	41.19		44.44	
21	32.28	33.65	35.06	36.50	37.98	39.50	41.06	42.65	44,28	45.94	21
22	33.65	35.04	36.46	37.93	39.43	40.96	42.54	44.15		47.48	
23	35.06	36.46	37.91	39.39	40.91	42.46	44.06			49.06	
24	36.50	37.93	39.39	40.89	42.43	44.00	45.61	47.26		50.67	
25	37.98	39.43	40.91	42.43	43.98	45.57	47.20		50.57	52.31	
26	39.50	40.96	42.46	44.00	45.57	47.19	48.83	50.52	52.24	54.00	
27	41.06	42.54	44.06	45.61	47.20	48.83	50.50	52.20		55.72	
28	42.65	44.15	45.69	47.26	48.87	50.52	52.20	53.93		57.48	
29	44.28	45.80	47.35	48.94	50.57	52.24	53.94	55.69		59.28	
30	45.94	47.48	49.06	50.67	52.31	54.00	55.72	57.48	59.28	61.11	
31	47.65	49.20	50.80	52.43	54.09	55.80	57.54	59.31	61.13	62.98	1
32	49.39	50.96	52.57	54.22	55.91	57.63	59.39	61.19	63.02	64.89	
33	51.17	52.76	54.39	56.06	57.76	59.50	61.28	63.09	64.94	66.83	
34	52.98	54.59	56.24	57.93	59.65	61.41	63.20	65.04	66.91	68.81	
35	54.83	56.46	58.13	59.83	61.57	63.35	65.17	67.02	68.91	70.83	
36	56.72	58.37	60.06	61.78	63.54	65.33	67.17	69.04	70.94	72.89	1
37	58.65	60.31	62.02	63.76	65.54	67.35	69.20	71.09	73.02	74.98	
	60.61	62.30	64.02	65.78	67.57	69.41	71.28	73.19	75.13	77.11	
38	62.61	64.31	66.06	67.83	69.65	71.50	73.39	75.31	77.28	79.28	
39 40	64.65	66.37	68.13	69.93	71.76	73.63	75.54	77.48	79.46	81.48	1. 2. 4
7.7	66.72	68.46	70.24	72.06	73.91	75.80	77.72	79.69	81.69	83.72	1
11	0.000	70.59	72.39	74.22	76.09	78.00	79.94	81.93	83.94	86.00	
42	68.83	72.76	74.57	76.43	78.31	80.24	82.20	84.20	86.24	88.31	
43	70.98			78.67		Library Town	84.50		88.57	90.67	
14	73.17	74.96	76.80	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	80.57	82.52		86.52	7 10 1 10 1	93.06	
45	75.39	77.20	79.06	80,94	82.87	84.83	86.83	88.87	90.94	100000000000000000000000000000000000000	100
46	77.65	79.48	81.85	83.26	85.20	87.19	89.20	91.26	93.35	95.48	
47	79.94	81.80	83.69	85.61	87.57	89.57	91.61	93.69	95.80	97.94	
48	82.28	84.15	86.06	88.00	89.98	92.00	94.06	96.15		100.44	
49	84.65	86.54	88.46	90.43	92.43	94.46	96.54			102.98	
50	87.06	88.96	90.91	92.89	94.91	96.96	99.06	101.19	103.35	105.56	30
-	21	22	23	24	25	26	27	28	29	30	_

Peet.	31	32	33	34	35	36	37	38	39	40	Peet.
0	23.54	24.89	26.28	27.70	29.17	30.67	32.20	33.78	35.39	37.04	-
1	24.32	25.69	27.09	28.54	30.02	31.54	33.09	34.69	36.32	37.98	1
2	25.13	26.52	27.94	29.41	30.91	32.44	34.02	35.63	37.28	38,96	1
3	25.98	27.39	28.83	30.32	31.83	33.39	34,98	36,61	38,28	39,98	
4	26.87	28.30	29.76	31,26	32,80	34.37	35.98	37.63	39.32	41.04	1
5	27.80	29.24	30.72	32.24	33.80	35.39	37.02	38.69	40.39	42.13	1
6	28.76	30.22	31.72	33.26	34.83	36.44	38.09	39.78	41.50	43,26	1
7	29.76	31.24	32.76	34,32	35.91	37.54	39,20	40.91	42.65	44.43	
8	30.80	32.30	33.83	35.41	37.02	38.67	40.35	42.07	43.83	45.63	
9	31.87	33.39	34.94	36.54	38.17	39.83	41.54	43.28	45.06		
10	32.98	34.52	36.09	37.70	39.35	41.04	42.76	44.52	46.32	48.15	1
11	34,13	35.69	37.28	38.91	40.57	42.28	44.02	45.80	47.61	49.46	1
12	35.32	36.89	38.50	40.15	41.83	43.56	45.32	47.11	48.94	50.81	1
13	36.54	38.13	39.76	41.43	43,13	44.87	46.65	48.46	50.31	52.20	
14	87.80	39.41	41.06	42.74	44.46	46.22	48.02	49.85	51.72	53.63	
15	39.09	40.72	42.39	44.09	45.83	47.61	49.43	51,28	53.17	55.09	1.
16	40.43	42.07	43.76	45.48	47.24	49.04	50.87	52.74	54.65	56.59	1
17	41.80	43.46	45.17	46.91	48.69		52.35	54.24	56.17	58.13	1
18	43.20	44.89	46.61	48.37	50.17	52.00	53.87	55.78	57.72	59.70	1
19	44.65	46.35	48.09	49.87	51.69	53.54	55.43	57.35	59.31	61.31	
20	46.13	47.85	49.61	51.41	53.24	55.11	57.02	58.96	60.94	62.96	2
21	47.65	49.39	51.17	52.98	54.83	56.72	58.65	60.61	62.61	64.65	2
22	49.20	122 122	52.76	54.59	56.46	58.37	60.31	62.30	64.31	66.37	2
23	50.80	52.57	54.39		58.13	60.06	62.02	64.02	66.06	68.13	2
24	52.43	54, 22	56.06		59.83	61.78	63.76	65.78	67.83		
25	54.09		57.76	59.65	61.57	63.54	65.54	67.57	69.65	71.76	2.
26	55.80		1000000	61.41	63.35	65.33	67.35	69.41	71.50	73.63	20
27			61.28	63.20	65.17	67.17	69.20	71.28	73.89	The second second	
28	57.54	61.19	63.09	65.04	67.02	69.04			75.31	77.48	
29	61.13	63.02	64.94	66.91	68.91	70.94	73.02	75.13	77.28		
30	62.98	12 2 Garant	66.83	68.81	70.83		74.98	77.11	79.28		3
31	64.87	66.80	68.76	70.76	72.80	74.87	76.98	79.13	81.31	83.54	3
32	66.80	122 17 600	70.72	72.74	74.80		79.02	81.19	83.39	85.63	
33	68.76		72.72	74.76	76.83	78.94	81.09	83.28	85.50		
34	70.76		74.76	76.81	78.91	81.04	83,20	85.41	87.65	89.93	3
35	72.80	74.80	76.83	78.91	81.02	83.17	85.35	87.57	89.83	92.13	3
36		76.89	78.94	81.04	83.17	85.33	87.54	89.78	92.06	94.37	3
37	74.87 76.98	L. P. A. R. S. C.	81.09	83.20	85.35	87.54	89.76	92.02	94.31	96.65	
38	79.13	81.19	83.28	85.41	87.57	89.78	92.02	94.30	96.61	98.96	
39	81.31	83.39	85.50	87.65	89.83		94.31	96.61		101.31	
40	83.54	85.63	87.76	89.93	92.13		96.65			103.70	
1.0	Charles and the second	100 D. S. W.	90.06	92.24	94.46	1000 1 1000	12 Long 14 Co.	La Contract Contract	W. 1997 C	106.13	1
41	85.80		92.39	94.59	96.83		101.43				
$\frac{42}{43}$	88.09	90.22	94.76	96.98	99.24	101.54	103.87	106,24	108.65	111.09	4:
44	90.43 92.80	94.96	97 17	99.41	101.69	104.00	106.35	108.74	111.17	113.63	4:
45	95.20	97.39	99 61	101.87	104.17	106.50	108.87	111.28	113.72	116.20	4
-1.	37.54		100 00	104 97	106 60	109 04	111.43	118 85	116 91	118 81	4
46	97.65	102.35	104 61	106 01	100.00	111 61	114 09	116.46	118 94	121.46	4
47	100.13	102.35	107 17	100.31	111 89	114 22	116 65	119.11	121 61	124.15	4
48	105 90	104.89	100 78	119 00	114 46	116.87	119.31	121.80	124.31	126.87	4
50	107.80	110.07	112.39	114.74	117.13	119.56	122.02	124.52	127.05	129.63	5
_	31	32	33	34	35	36	37	38	39	40	-

TABLE II.—BASE X.—SLOPES 11 to 1.

Feet.	41	42	43	44	45	46	47	48	49	50	Pearl
0	38.72	40.44	42.20	44.00	45.83	47.70	49.61	51.56	53.54	55.56	
1	39.69	41.43	43.20	45.02	46.87	48.76	50.69	52.65	54.65	56.69	
2	40.69	42.44	44.24	46.07	47.94	49.85	51.80	53.78	55.80	57.85	
3	41,72	43.50	45.32	47.17	49.06	50.98	52.94	54.94	56.98		
4	42.80	44.59	46.43	48.30	50.20	52.15	54.13	56.15	58.20	60.30	
5	43.91	45.72	47.57	49.46	51.39	53.35	55.35	57.39	59.46	61.57	
6	45.06	46.89	48.76	50.67	52.61	54.59	56.61	58.67	60.76	62.89	
7	46.24	48.09	49.98	51.91	53.87	55.87	57.91	59.98	62.09	64.24	
8	47.46	49.33	51.24	53.19	55.17	57.19	59.24	61.33	63.46	65.63	1
9	48,72	50.61	52.54	54.50	56.50	58.54	60.61	62,72	64.87	67.06	
10	50.02	51.93	53.87	55.85	57.87	59.93	62,02	64.15	66.31	68.52	
11	51.35	53.28	55.24	57.24	59.28	61.35	63.46	65.61	67.80	70.02	100
12	52.72	54.67	56.65	58.67	60.72	62.81	64.94	67.11	69.81	71.56	
13	54.13	56.09	58.09	60.13	62.20	64.81	66.46	68.65	70.87	73.13	
14	55.57	57.56	59.57	61.68	63.72	65.85	68.02	70.22	72.46	74.74	
15	57.06	59.06	61.09	63.17	65.28	67.43	69.61	71.83	74.09	76.39	
16	58.57	60.59	62.65	64.74	66.87	69.04	71.24	73.48	75.76	78.07	
17	60.13	62.17	64.24	66.35	68.50	70.69	72.91	75.17	77.46	79.80	
18	61.72	63.78	65.87	68.00	70.17	72.37		76.89	79.20	81.56	
19	63.35	65.43	67.54	69.69	71.87	1. 1. 2. 2. 2. 2. 2. 2.	74.61 76.85	H. Harris Indiana	80.98	83.35	
20	65.02	67.11	69.24	71.41	73.61	74.09 75.85	78.13	78.65 80.44	82.80	40 44	
21	66.72	68.84	70.98	W. C. C.	100000000	1000	A. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	10.000		1000	100
22	68.46	70.59		73.17	75.39	77.65	79.94	82.28	84.65	87.06	
23	70.24	72.39	72.76	74.96	77.20	79.48	81.80	84.15	86.54		
24	72.06	74.22	76.43	76.80	79.06	81.35	83.69	86.06	88.46		
25	78.91	76.09	78.31	80.57	80.94 82.87	83.26 85.20	85.61 87.57	88.00 89.98			
26	75.80	78.00	80.24	Control of the second	Water Street		and the second	A 10 10 10 10		MAGNATURE STATES	10
27	77.72	79.44	81.20	82.52 84.50	84.83 86.83	87.19 89.20	89.57 91.61	92.00 94.06	94.46		
28	79.69	81.93	84.20	86.52	88.87	91.26	93.69			101.19	
29	81.69	83.94	86.24	88.57	90.94	93.35	95.80			103.35	
30	83.72	86.00	88.31	90.67	93.06	95.48				105.56	
31	85.80	88.09	90.43	92.80	0.000 (0.000)	1.527.00	100000000000000000000000000000000000000	15,200 7 150		0.000	v
32	87.91	90.22	92.57	94.96	1000					107.80 110.07	
33	90.06		94.76		100000000000000000000000000000000000000					112.39	
34	92.24	94.59	96.98							114.74	
35	94.46	96.83	The last of the last							117.13	
36	96.72	1.353.33	100000	COLLEGE !	0.757.05	D. T. T. C. C. C.				119.56	
37		101 42	102 87	106 25	100.00	111 49	111.01	110 05	110.07	122.02	9
	101 85	103 78	106.07	108 74	111 99	111.40	116 40	110.00	191 90	124.52	9
39	103 72	106 17	108 65	111 17	111.20	116.00	110.40	191 61	194 21	127.05	2
40	106.12	108.59	111 09	113 63	116 90	118 81	191 46	194 15	196 87	129.63	4
41	111 00	111.06	118.57	116.13	118.72	121.35	124.02	126.72	129.46	132.24	4
42	119 57	116.00	110.09	191 94	121.28	120.93	120.61	129.33	194 72	134.89 137.57	4
11	110.07	110.00	101.00	100 05	120.07	120.04	129.24	131.98	104.76	140.00	4
45	110.10	101 00	121.24	120.00	120.00	129.18	131.91	134.67	137.46	140.30	4
10	110,72	121.28	120.87	120.50	129.17	151.87	134.61	187.89	140.20	143,06	4
46	121.35	123.93	126.54	129.18	131.87	134.59	137.35	140.15	142.98	145.85	4
47	124.02	126.61	129.24	131.91	134.61	137.35	140.13	142.94	145.80	148.68	4
48	126.72	129.33	131.98	134.67	137.39	140.15	142.94	145.78	148.65	151.56	4
60	129.46	132.09	134.76	137.46	140.20	142.98	145.80	148.65	151.54	154.46	4
90	132.24	134.89	137.57	140.30	143.06	145.85	148.68	151.56	154.46	157.41	5
	41	42	43					100			-

Feet.	1	2	3	4	5	6	7	8	9	10	Feet.
0	0.21	0.47	0.78	1.14	1.54	2.00	2.51	3.06	3.67	4.32	0
1	0.44	0.78	1.06	1.44	1.88	2.36	2.89	3.47	4.10	4.78	1
3	0.73 1.06	1.04	1.40	1.80 2.21	2.26	2.77 3.22	3.32	3.93 4.43	4.58 5.11	5.28	3
4	1.44	1.80	2.21	2.67	3.17	3.73	4.33	4.99	5.69	5.84 6.44	4
5	1,88	2.26	2.69	3.17	3.70	4.28	4,91	5.59	6.32	7.10	
6	2.36	2.77	3.22	3.73	4.28	4.89	5.54	6.25	7.00	7.80	110
7	2.89	3.32	3.80	4.33	4.91	5.54	6.22	6.95	7.73	8.56	
8	3.47	3.93	4.43	4.99	5.59	6.25	6.95	7.70	8.51	9.36	
9	4.10	4.58	5.11	5.69	6.32	7.00	7.73	8.51	9.33	10.21	9
10	4.78	5,28	5.84	6.44	7.10	7,80	8,56	9.36	10.21	11,11	10
11	5.51	6.04	6.62	7.25	7.93	8.65	9.43	10.26	11.14	12.06	
12	6.28	6.84	7.44	8.10	8.80	9.56	10.36	11.21	12.11	13.06	
13	7.11	7.69	8.32	9.00	9.73	10.51	11.33	12.21	13.14	14.11	
14 15	7.99 8.91	8.59 9.54	$9.25 \\ 10.22$	9.95 10.95	10.70 11.73	$11.51 \\ 12.56$	12,36 $13,43$	13.26 14.36	$14.21 \\ 15.33$	15.21 16.36	
~ 4	C	L. C. T. P.	July 2.11/1	The state of	Laboration of the same	Charles and the	The second second	2	100000		100
16	9.89	10.54	11.25	12.00	12.80	13.65	14.56	15.51	16.51	17.56	
17 18	10.91	11.59 12.69	12.32 13.44	13.10 14.25	13.93 15.10	14.80 16.00	15.73 16.95	$16.70 \\ 17.95$	17.73 19.00	18.80 20.10	
19	13.11	13.84	14.62	15.44	16.32	17.25	18.22	19.25	20.32	21.44	
20	14.28	15.04	15.84	16.69	17.59	18.54	19.54	20.59	21.69	22.84	
21	15.51	16.28	17.11	17.99	18.91	19.89	20.91	21.99	23.11	24.28	100
22	16.78	17.58	18.43	19.33	20.28	21.28	22.33	23.43	24.58	25.78	
23	18.10	18.93	19.80	20.73	21.70	22.73	23.80	24.93	26.10	27.32	
24	19.47	20.32	21.22	22.17	23.17	24.22	25.32	26.47	27.67	28.91	
25	20.89	21.77	22.69	23.67	24.69	25.77	26.89	28.06	29.28	30.56	25
26	22.36	23.26	24.21	25.21	26.26	27.36	28.51	29.70	30.95	32.25	26
27	23.88	24.80	25.78	26.80	27.88	29.00	30.17	31.40	32.67	33,99	
28	25.44	26.40	27.40	28.44	29.54	30.69	31.89	33.14	34.43	35.78	
29 30	27.06	28.04	29.06	30.14	31.26	32.43	33.65	34.93	36.25	37.62	
	28.73	29.73	30.78	31.88	33.02	34.22	35.47	36.77	38.11	39.51	100
31	30.44	31.47	32.54	33.67	34.84	36.06	37.33	38.65	40.02	41.44	
32	$32.21 \\ 34.02$	33.26 35.10	$34.36 \\ 36.22$	$35.51 \\ 37.40$	36.70 38.62	37.95 39.89	$39.25 \\ 41.21$	40.59	41.99 44.00	43.43	
34	35.89	36.99	38.14	39.33	40.58	41.88	43.22	44.62	46.06	47.56	
35	37.80	38.93	40.10	41.32	42.59	43.91	45.28	46.70	48.17	49.69	
36	39.77	40.91	42.11	43.36	44.65	46.00	47.40	48.84	50.33	51.88	1
37	41.78	42.95	44.17	45.44	46.77	48.14	49.56	51.02	52.54	54.11	
38	43.84	45.04	46.28	47.58	48.93	50.32	51.77	53.26	54.80	56.40	
39	45.95	47.17	48.44	49.77	51.14	52.56	54.02	55.54	57.11	58.73	39
40	48.11	49.36	50.65	52.00	53.40	54.84	56.33	57.88	59.47	61.11	4(
41	50.32	51.59	52.91	54.28	55.70	57.17	58.69	60.26	61.88	63.54	41
42	52.58	53.88	55.22	56.62	58.06	59.56	61.10	62.69	64.33	66.02	
43	54.89	56.21	57.58	59.00	60.47	61.99	63.56	65.17	66.84	68.56	
44	57.25	58.59	59.99	61.43	62.93	64.47	66.06	67.70	69.40	71.14	
45	59.65	61,02	62.44	63.91	65.43	67.00	68, 62	70.28	72.00	73.77	100
46	62.11	63.51	64.95	66.44	67.99	69.58	71,22	72.91	74.65	76.44	
47 48	64.62	66.04	67.51	69.02	70.59	72.21	78.88	75.59	77.36	79.17	
49	67.17 69.78	68.62 71.25	70.11 72.77	71.65 74.33	73.25 75.95	74.89 77.62	76.58 79.33	78.32 81.10	80.11 82.91	81.95 84.78	
50	72.43	78.93	75.47	77.06		80.40	82.14	83.93	85.77	87.65	
	1	2	3	4	5	6	7	8	9	10	-

Feet	11	12	13	14	15	16	17	18	19	20	Feet.
0	5.03	5.78	6.58	7.43	8.33	9.28	10.28	11.33	12.43	13,58	(
1	5.51	6.28	7.11	7.99	8.91	9.89	10.91	11.99	13.11	14.28	1
2	6.04	6.84	7.69	8.59	9.54	10.54	11.59	12.69	13.84	15.04	
3	6.62	7.44	8,32	9.25	10.22	11.25	12,32	13.44		15.84	1
4	7.25	8,10	9.00	9.95	10.95	12.00	13,10	14.25	1000	16.69	4
5	7.93	8.80	9.73	10.70	11.73	12.80	13.93	15.10	16,32	17.59	1
6	8.65	9.56	10.51	11.51	12.56	13.65	14.80	16.00	17.25	18.54	1
7	9.43	10.36	11,33	12.36	13.43	14.56	15.73	16.95	18.22	19.54	1
8	10.26	11.21	12.21	13.26	14.36	15.51	16.70	17.95	19.25	20.59	
9	11.14	12.11	13,14	14.21	15.33	16.51	17.73	19.00		21.69	
10	12.06	13,06	14.11	15.21	16.36	17.56	18.80	20,10	21.44	22.84	10
11	13.04	14.06	15.14	16.26	17.48	18.65	19.93	21, 25	22.62	24.04	1
12	14.06	15.11	16.21	17.36	18,56	19.80	21.10	22,44	23.84	25.28	15
13	15.14	16.21	17.33	18.51	19.73	21.00	21.32	23.69	25.11	26.58	
14	16.26	17.36	18.51	19.70	20.95	22.25	23.59	24.99	26.43	27.93	
15	17.43	18.56	19.73	20.95	22.22	23.54	24,91	26.33	27,80	29.32	16
16	18.65	19,80	21.00	22.25	23.54	24.89	26.28	27.78	29.22	30.77	16
17	19.93	21.10	22.32	23.59	24.91	26.28	27.70	29.17	30.69	32,26	17
18	21.25	22.44	23.69	24.99	26.33	27.73	29.17	30.67	32.21	33.80	18
19	22.62	23.84	25.11	26.43	27.80	29.22	30.69	32.21	33,78	35.40	15
20	24.04	25.28	26.58	27.93	29.32	30.77	32,26	33.80	35.40	37.04	20
21	25.51	26.78	28.10	29.47	30.89	32.36	33.88	35.44	37.06	38.73	21
22	27.03	28.32	29.67	31.06	32.51	34.00	35.54	37.14	38.78	40.47	
23	28.59	29.91	31.28	32.70	34.17	85.69	37.26	38,88		43.26	
24	30.21	31.56	32.95	34.40	35.89	37.43	39.02	40.67	42,36	44.10	24
25	31.88	33, 25	34.67	36,14	37.65	39.22	40.84	42.51	44,22	45.99	2
26	33,59	34.99	36.43	37.93	39.47	41.06	.42.70	44.40	46.14	47.93	26
27	35.36	36.78	38.25	39.77	41,33	42.95	44.62	46.33		49.91	
28	37.17	38.62	40.11	41.65	43.25	44.89	46.58	48.32	50.11	51.95	
29	39.04	40.51	42.02	43.59	45,21	46.88	48.59	50.36		54.04	
30	40.95	42.44	43.99	45.58	47,22	48.91	50.65	52.44	54.28	56.17	
31	42.91	44.43	46.00	47.62	49.28	51.00	52.77	54.58	56.44	58.36	31
32	44.93	46.47	48.06	49.70	51.40	53.13	54.93	56.77	58.65	60.59	
33	46.99	48.56	50.17	51.84	53.56	55.32	57.14	59.00	60.91	62.88	
34	49.10	50.69	52.33	54.02	55.77	57.56	59.40	61.28	63.22	65.21	34
35	51.26	52.88	54.54	56.26	58.02	59.84	61.70	63.62	65.58	67.59	32
36	53.47	55.11	56.80	58.54	60.33	62.17	64.06	66.00	67.99	70.02	36
37	55.78	57.40	59.11	60.88	62.69	64.56	66.47	68.43	the fact of the parties.	72.51	1
38	58.04	59.73	61.47	63.26	65.10	66.99	68.93	70.91	72.95	75.04	
39	60.40	62.11	63.88	65.69	67.56	69.47	71.43	78.44	75.51	77.62	
40	62.80	64.54	66.33	68.17	70.06	72.00	78.99	76.02		80.25	4(
41	65.26	67.02	68.84	70.70	72.62	74.58	76.59	78.65	80.77	82.93	41
42	67.77	69.56	71.40	73.28	75.22	77.21	79.25	81.33	83.47	85.65	
43	70.32	72.14	74.00	75.91	77.88	79.89	81.95	84.06	The second second	88.43	
44	72.93	74.77	76.65	78.59	80.58	82.62	84.70	86.84	89.02	91.26	
45	75.58	77.44	79.36	81.32	83.33	85.40	87.51	89.67	91.88	94.14	
46	78.28	80.17	82.11	84.10	86.14	88.22	90.36	92.54	94.78	97.06	46
47	81.04	82.95	84.91	86.93	88.99	91.10	93.26	95.47		100.04	
48	83.84	85.78	87.77	89.80	91.89	94.02	96.21		100.73		
49	86.69	88.66	90.67	92.78	94.84	97.00		101.47		106.14	
50	89.59	91.58	93.62	95.70			102.26				
	11	12	127	14	15	16	17	18	19	20	-

Peet.	21	22	23	24	25	26	27	28	29	30	Feet.
ō	14.78	16.03	17.32	18.67	20.06	21.51	23.00	24.54	26, 14	27.78	1
1	15.51	16.78	18.10	19.47	20.89	22.36	23.88	25.44	27.06	28.73	1
2	16.28				21.77	23.26	24.80	26.40	28.04	29.73	
3	17.11	18,43	19.80		22.69	24.21	25.78	27.40	29.06	30.78	
4	17.99				23.67	25.21	26.80		30.14	31.88	
5	18.91				24.69	26.26	27.88		31.26	33.02	
6	19.89	100000	22.73	24.22	25.77	27.36	29.00	80.69	32.43	34.22	
7	20,91	22.33	23.80		26.89	28.51	30.17	31.89	33,65	35,47	
8	21.99	W W 10 10 10 10	24.93		28.06	200	31.40		34,93	36.77	
9	23.11	24,58	26,10		29.28		32.67	34,43		38.11	
10	24.28	The second			30.56	Total of the control of	33.99		37.62	39.51	
11	25.51	27.03	28.59	2000	31.88	33.59	35.36	12000	39.04	40.95	
12	26.78	28.32	29.91	31.56		34.99	86.78		40.51	42.44	
13	28.10		31.28			36.43		40.11	42.02	43.99	
14	29.47	31.06				37.93	39.77	41.65	43.59	45.58	
15	30.89		34.17			39.47	41.33		45.21	47.22	
16	100	34.00	35.69	37.43	17 (DV)	41.06	42.95	44.89	46.88	48.91	
17	33.88	35.54	6.5		40.84	42.70	44.62	46.58	48.59	50.65	
18		37.14		40.67	42.51	44.40	46.33	1 1 2 1 1 1 1 4 1			
			40.54			46.14			50.36	52.44	
$\frac{19}{20}$	37.06 38.73	38.78 40.47	42.26		45.99	47,93	48.10		52,17 54.04	54.28 56.17	
	2004 150	200	100 CM	10000	1 mg 2 mg	and the second	DOM: NO	100000	1000 Television	1000	
21	40.44	42.21	44.02			49.77	51.78		55.95	58.11	
22	42.21	44.00				51.65	53.69		57.91	60.10	
23	44.02	45,84	47.70		51.58		55.65		59.93	62,14	
24	45.89	47.73				55.58	57.67	59.80		64, 22	
25	47.80	49.67	51.58	53.54	55.56	57.62	59.73	61.89	64,10	66.36	2
26	49.77	51,65	53.59	55.58		59.70	61.84	64.02	66.26	68.54	
27	51.78	53.69	55,65	57.67	59.73	61.84	64.00	66.21	68.47	70.78	2
28	53.84	55.78			61.89	64.02	66.21	68.44	70.73	73.06	2
29	55.95	57.91	59,93	61.99	64.10	66.26	68.47	70.73	73.04	75.40	2
30	58.11	60.10	62.14	64.22	66.36	68.54	70.78	73.06	75.40	77.78	3
31	60.32	62.33	64.40	66.51	68.67	70.88	73.14	75.44	77.80	80.21	3
32	62.58	64.62	66.70	68.84	71.02	73.26	75.54	77.88	80.26	82.69	3
33	64.89	66.95	69.06	71.22	73.43	75.69	78.00	80.36	82.77	85,22	3
34	67.25	69.33	71.47	73.65	75.89	78.17	80.51	82.89	85.32	87.80	3
35	69.65	71.77	73.93	76.14	78.40	80.70	83.06	85.47	87.93	90.43	3
36	72.11	74.25	76.41	78.67	80.95	83.28	85.67	88.10	90.58	93.11	3
37	74.62	76.78	78.99	81.25	83.56	85.91	88.32	90.78	93.28	95.84	3
38	77.17	79.36	81.59			88.59	91.02	93.51			
39	79.78		84.25			91.32	93.78			101.44	
40	82.43		86.95			94.10	96.58		101.69		
11	85.14	87.40	89.70	17.0	1000	96.93	126 17 164 4	10, 10, 100,	104,59	F 10 P. S.	1
12	87.89	90.17	92.51				102.33				
43	90.69	93.00			100.22						
44	93.54	95.88			103.17						
45	96.44				106.17						
46	DE VENEZA	A 70 000	1 1 1 1 1	the second of	109.22	Section 1	100000	Contract of the second		A STATE OF THE REAL PROPERTY.	15
24											
					112.32						
					115.47						
					118.67 121.91						
	111.05	114.11	110.70	110.20	121.01	124.00	141.02	100.10	102.00	100.00	-
	01	90	99	94	95	96	97	90	90	90	
П	21	22	23	24	25	26	27	28	29	30	

TABLE III.-BASE X.-SLOPES 2 to 1.

Feet.	31	32	33	34	35	36	37	38	39	40	Foot.
0	29.47	31.21	33.00	34.84	36.73	38.67	40.65	42.69	44.78	46.91	1
1	30.44	32.21	34.02	35.89	37.80	39.77	41.78	43.84	45.95	48.11	1
2	31.47	33.26	35.10	36.99	38.93	40.91	42.95	45.04	47.17	49.36	
3	32.54	34.36	36.22	38.14	40.10	42.11	44.17	46.28	48.44	50.65	13
4	33.67	35.51	37.40	39.33	41.32	43.36	45.44	47.58	49.77	52.00	1
5	34.84	36.70	38.62	40.58	42.59	44.65	46.77	48.93	51.14	53.40	1
6	36.06	37.95	39.89	41.88	43,91	46.00	48.14	50.32	52.56	54.84	
7	37.33	39.25	41.21	43.22	45.28	47.40	49.56	51.77	54,02	56.33	
8	38.65	40.59	42.58	44.62	46.70	48.84	51.02	53.26	55.54	57.88	
9	40.02	41,99	44.00	46.06	48.17	50.33	52.54	54.80	57.11	59.47	
10	41.44	43,43	45.47	47.56	49.69	51.88	54.11	56.40	58.73	61.11	1
11	42.91	44.93	46.99	49.10	51.26	53.47	55.78	58.04	60.40	62.80	1
12	44.43	46.47	48.56	50.69	52.88	55.11	57.40	59.73	62.11	64.54	
13	46.00	48.06	50.17	52.33	54.54	56.80	59.11	61.47	63.88	66.33	
14	47.62	49.70	51.84	54.02	56.26	58.54	60.88	63.26	65.69	68.17	
15	49,28	51.40	53.56	55.77	58.02	60.33	62.69	65.10	67.56	70.06	1
16	51.00	53.13	55.32	57.56	59.84	62.17	64.56	66.99	69.47	72.00	1
17	52.77	54.93	57.14	59.40	61.70	64.06	66.47	68.93	71.43	73.99	
18	54.58	56.77	59.00	61.28	63.62	66.00	68.43	70.91	73.44	76.02	
19	56.44	58.65	60.91	63.22	65.58	67.99	70.44	72.95	75.51	78.11	
20	58.36	60.59	62.88	65.21	67.59	70.02	72.51	75.04	77.62	80.25	
21	60.32	50 V. O. O.	64.89	67.25	A.25.A.0	72.11	V. L. S. C. S. V. J. V. J. S. V. J. V. V. J. V.	0.070.00	1200 00 72	p. N. 25 p. 1	
22	62.33	62.58	66.95	69.33	69.65		74.62	77.17	79.78	82.43	
23	64.40	64.62	69.06	71.47	71.77	74.25	76.78	79.36	81.99	84.67	
24	66.51	66.70 68.84	71.22	73.65	73.93	76.41	78.99 81.25	81.59 83.88	84.25	86.95	
25	68.67	71.02	78.48	75.89	78.40	80.95	83.56	86.21	86.56	89.28	
1.0	to the second		1000 21	And the second	0.000	Name of the		The second second	88.91	91.67	100
26	70.88	73.26	75.69	78.17	80.70	83.28	85.91	88.59	91.32	94.10	
27	73.14	75.54	78.00	80.51	83.06	85.67	88.32	91.02	93.78	96.58	
28 29	75,44	77.88	80.36	82.89	85.47	88,10	90.78	93.51	96.28		
30	77.80	80.26	82.77	85.32	87.93		93.28			101.69	
0	80.21	82,69	85.22	87.80	90.43	93.11	95.84	98.62	101.44	104.32	3
31	82.67	85.17	87.73	90.33		95.69				107.00	
32	85.17	87.70	90.28	92.91	95.59					109.73	
33	87.78	90.28	92.89	95.54						112.51	
34	90.33	92.91	95.54							115.33	
35	92,99	95.59	98.25	100.95	103.70	106,51	109.36	112.26	115.21	118.21	3
36	95.69	98.32	101.00	103.73	106.51	109.33	112.21	115.14	118.11	121.14	3
37	98.44	101.10	103.80	106.56	109.36	112.21	115.11	118.06	121.06	124.11	3
38	101.25	103.93	106.65	109.43	112.26	115.14	118.06	121.04	124.06	127.14	3
39	104.10	106.80	109.56	112.36	115.21	118.11	121.06	124.06	127.11	130.21	3
40	107.00	109.78	112.51	115,33	118.21	121.14	124.11	127.14	130.21	133.33	4
41	109.95	112.70	115.51	118.36	121.26	124 21	127 21	130. 26	133 36	136.51	4
42	112.95	115.78	118.56	121.43	124.36	127.33	130.36	133.43	186.56	139.73	4
43	116.00	118.80	121.65	124.56	127.51	130.51	133.56	136.65	139.80	143.00	4
44	119.10	121.93	124,80	127.78	130,70	133.78	136.80	139.93	143, 10	146.32	4
45	122.25	125.10	128.00	130.95	133.95	137.00	140.10	143.25	146.44	149.69	4
46	195 44	198 99	181 95	134 99	187 95	140 20	148 44	146 69	140 94	153.11	
47	128 60	131 50	134 54	137 54	140 50	148 60	146 94	150 04	153 99	156.58	4
48	131 99	134 91	137 80	140 91	143 90	147 11	150 99	153 51	156 79	160.10	4
49	135 33	138 98	141 29	144 99	147 49	150 59	153 79	157 09	160 99	163.67	1
50	138.73	141.70	144.73	147.80	150.93	154.10	157.32	160.59	163.91	167.28	5
T	31	32	33	34	35	36	37	38	39	40	-

Feet.	41	42	43	44	45	46	47	48	49	50	Peet.
0	49.10	51.33	53,62	55.95	58.33	60.77	63.25	65.78	68.36	70.99	-
1	50.32	52.58	54.89	57.25	59.65	62.11	64.62	67.17	69.78	72.43	3
2	51.59	53.88	56.21	58.59	61.02	63.51	66.04	68.62	71.25	73.93	3
3	52.91	55.22	57.58	59.99	62.44	64.95	67.51	70.11	72.77	75.47	1
4	54.28	56.62	59.00	61.43	63.91	66.44	69.02	71.65	74.33	77.06	1
5	55.70	58.06	60.47	62.93	65.43	67.99	70,59	73.25	75.95	78.70	1
6	57.17	59.56	61.99	64.47	67.00	69.58	72.21	74.89	77.62	80,40	
7	58.69	61.10	63.56	66.06	68.62	71.22	73.88	76.58	79.83	82.14	
8 9	60.26 61.88	62.69 64.33	65.17	67.70 69.40	70.28	72.91	75.59 77.36	78.32 80.11	81.10 82.91	83.93	
10	63.54	66.02	68.56	71.14	73.77	76.44	79.17	81.95	84.78	85.77	
	34-5-34-3	100	The second of the	100000	Company of the Party of the Par			FW 500		87.65	
11	65.26	67.77	70.32	72.93	75.58	78.28	81.04	83.84	86.69	89.59	
12	67.02	69.56	72.14	74.77	77.44	80.17	82.95	85.78		91.58	
13	68.84	71.40	74.00 75.91	76.65 78.59	79.36 81.32	82.11 84.10	84.91 86.93	87.77 89.80	90.67	93.62	
14 15	70.70	75.22	77.88	80.58	83.33	86.14	88.99	91.89	94.84	95.70 97.84	
000			0.000	200000				12 3 3 3 3 3	W. 75 - 10	The state of the	
16	74.58	77.21	79.89	82.62	85.40	82.22	91.10	94.02		100.02	
17	76.59	79.25	81.95	84.70	87.51	90.36	93.26	96.21		102.26	
18	78.65	81.33	84.06 86.22	86.84	89.67	92.54 94.78	95.47		101.47		
19 20	80.77 82.93	83.47 85.65	88.43	89.02 91.26	91.88 94.14			100.73 103.06			
- 1	13 July 1985-19	DESCRIPTION OF	1000	17 5 17 1	11 10	75 5 MW L7	to the same	45 10 11	Committee to	Andrew State Comment	
21	85.14	87.89	90.69	93.54	96.44			105.44			
22	87.40	90.17	93.00	95.88		101.78					
23	89.70	92.51	95.36			104.21					
24	92.06	94.89				106.69					
25	94.47	15550	100000			109.22	Contract Contract		3.555		1
26	96.93					111.80					
27						114.43					
						117.11					
						119.84					
0.00	special plants		Committee of	T. T. S. C. C. C. S.	Ch L.	122.62	200	120000	64 1 150	Control of	
						125.44					
						128,32					
						131.25					
						134.22					
-	50000		the same of the	100000000000000000000000000000000000000	100000000000000000000000000000000000000	137.25	D 6.3655	F 10 1 1 1			
						140.32					
						143.44					
						146.62					
						149.84					
	Available to the last	Control of the Control	Charles Committee	\$400 CO 1	and the state of	153.11	to the second		100000000000000000000000000000000000000	- 10-1 - D	
						156.43					
						159.80					
						163.22					
						166.69					
75	1		22.000			170.21		100000	TURNS TO A		
						173.78					
						177.39					
						181.06					
						184.78					
50	170.70	174, 17	177.69	181.26	184.88	188.54	192.26	196.02	199.84	203.70	5
-	41	42	12	44	15	16	17	10	40	50	-
	41	42	43	44	45	46	47	48	49	50	1

Feet.	1	2	3	4	5	6	7	8	9	10	Peet.
0	.22	.49	. 83	1.24	1.70	2.22	2.81	3.46	4.17	4.94	-
1	.46	.77	1.14	1.57	2.07	2.62	3.24	3.29	4.66	5.46	1
2	.77	1.11	1.51	1.98	2.50	3.09	3.74	4.44	5.22	6.05	5
3	1.14	1.51	1.94	2.44	2.99	3.61	4.29	5.03	5.83	6.70	8
4	1.57	1.98	2.44	2.96	3.55	4.20	4.91	5.68	6.51	7.41	4
5	2.07	2.50	2.99	3.55	4.17	4.85	5.59	6.39	7.25	8.18	5
6	2.62	3.09	3.61	4.20	4.85	5.56	6.33	7.16	8.06	9.01	6
7	3.24	3.74	4.29	4.91	5.59	6.33	7.13	7.99	8.92		7
8	3.92	4.44	5.03	5.68	6.39	7.16		8.89	9.85	10.86	
9	4.66	5.22	5.83	6.57	7.25	8.06		9.85	10.83		
10	5.46	6.05	6.70	7.41	8.18	9.01	9.91	10.86	11.88	12.96	10
11	6.33	6.94	7.62	8.36	9.17	10.03	10.96	11.94	12.94	14.11	100
12	7.25	7.90	8.61	9.38	10.22	11.11	12.07	13.09	14.17		
13	8.24	8.92	9.66	10.64	11.33	12.25	13.24	14.29	15.40		
14	9.29	10.00	10.77	11.61	12.50	13.46	14.48	15.56	16.70	17.90	
15	10.40	11.14	11.94	12.81	13.73	14.72	15.77	16.88	18.06	19.30	
9.4	0.35 1 3 4	1000000	147 140	0.000	12000	A 5 5 1	Auto Contra	Sec. 11.	100000	14100	100
16	11.57	12.35	13.18	14.07	15.03	16.05	17.13	18.27	19.48		
17	12.81	13.61	14.48	15.40	16.39	17.44	18.55	19.72	20.96	1000	100
18	14.11	14.94	15.83	16.79	17.81 19.29	18.89	20.03	21.23 22.81	22.50 24.11		
19	15.46	16.33	17.25	18.24		20.40	21.57	24.44	25.77		
20	16.88	17.78	18.73	19.75	20.83	21.98	23,18	100000000000000000000000000000000000000	7 7	7707 770	
21	18.36	19.29	20.28	21.33	22.44	23.61	24.85	26.14	27.50		
22	19.91	20.86	21.88	22.96	24.11	25.31	26.57	27.90	29.29		
23	21.51	22.50	23.55	24.66	25.83	27.07	28,36	29.72	31,14		
24	23.18	24.20	25,28	26.42	27.62	28.89	30.22	31.61	33,06		
25	24.91	25.96	27.07	28.24	29.48	30.77	32,13	33.55	35.03	000000	
26	26.70	27.78	28,92	30.12	31.39	32.72	34.11	35.56	37.07	38.64	1
27	28.55	29.66	30.83	32.07	33.36	84.72	36.14	37.62	39.17		
28	30,46	31.61	32.81	34.07	35.40	36.79	38.24	39.75	41.33		
29	32.44	33,61	34,85	36.14	37.50	38.92	40.40	41.94	43.55		
30	34.48	35,68	36.94	38.27	39,66	41.11	42.62	44.20	45.83	47.53	30
31	36.57	37.81	39.11	40.46	41.88	43.36	44.91	46.57	48.18	49.91	31
32	38.73	40.00	41.33	42.72	44.17	45.68	47.25	48.89	50.59	52.35	32
33	40.96	42.25	43.61	45.03	46,51	48.06	49.66	51.33	53.06		
34	43.24	44.57	45.96	47.41	48,92	50.49	52.13	53.83	55.59		
35	45.59	46.94	48.36	49.85	51.39	52.99	54,66	56.39	58.18	60.03	35
36	47.99	49.38	50.83	52.35	53.92	55.56	57.25	59.01	60.83	62.72	36
37	50.46	51.88	53.36	54.91	56.51	58.18	11 20 20 11 20 20	61.70	63.55	65.46	37
38	52.99	54.44	55.96	57.53	59.17	60.86	62.62	64.44	66.33	68.27	38
39	55.59	57.07	58.61	60.22	61.88	63.61	65.40	67.25	69.17	71.14	39
40	58.24	59.75	61.33	62.96	64.66	66.42	68.24	70.12	72.07	74.07	40
41	60.96	62.50	64.11	65.77	67.50	69.29	71.14	73.06	75.03	77.07	41
42	63.78	65.31	66.94	68.64	70.40	72.22	74.10	76.05	78.06		
43	66.57	68.18	69.85	71.57	73.36	75.22	77.18	79.10	81.14		
44	69.48	71.11	72.81	74.57	76.39	78.27	80.22	82.22	84.29		
45	72.44	74.10	75.83	77.62	79.48	81.39	83.36	85.40			
46	75.46	77.16	78.92	80.74	82.62	84.57	86.57	88.64	90.77	92.96	
47	78.55	80.28	82.07	83.92	85.88	87.81	89.85	91.94	94.10		
48	81.70	83.46	85, 28	87.16	89.10	91.11	93.18	95.31	97.50		
49	84.91	86.70	88.55	90.46	92.44	94.48				103.24	
50	88.18	90.00	91.88	93.83	95.83					106.79	
-	24.40	50.00	V1.00	50.00	50.00	21.50	250.50				_
	1	2	3	4	5	6	7	8	9	10	

Feet.	11	12	13	14	15	16	17	18	19	20	Post.
0	5.72	6.67	7.62	8.64	9.72	10.86	12.07	13.33	14.66	16.05	-
1	6.33	7.25	8.24	9.29	10.40	11.57	12,81	14.11	15.46	16.83	
2	6,94	7.90	8.92	10.00	11.14		13,61	14.94	16.33	17.78	
3	7.62	8.61	9.66	10.77	11.94	13.18	14,48	15.83	17.25	18.73	
4	8.36	9.38	10.46	11.61	12,81	14.07	15.40	16.79	18.24	19.75	
5	9.17	10.22	11.33	12.50	13.73	15.03	16.39	17.81	19.29	20.83	
6	10.03	11.11	12.25	13.46	14.72	16.05	17.44	18.89	20,40	21,98	
7	10.96	12.07	13.24	14.48	15.77	17.18	18.55	20.03	21.57	23.18	
8	11.94	13.09	14.29	15.56	16.88	18.27	19.72	21,23	22.81	24.44	
9	12.99	14.17	15.40	16.70	18.06	19.48	20.96	22.50	24.11	25.77	
10	14.11	15.81	16.57	17.90	19.29	20.74	22.15	23.83	25.46	27.16	1
11	15.28	16.51	17.81	19.17	20.59	22.07	23.61	25.22	26.88	28.61	1
12	16.51	17.78	19.11	20.49	21.94	100000000000000000000000000000000000000	25.03		28.36		
13	17.81	19.11	20.46	21.88	23.36		26.51	28.18	29.91	31.70	
14	19.17	20,49	21.88	23.33	24.86		28.06		31.51	33.33	
15	20.59	21.94	23.36	24.86	26.39	27.99	29.66		33.18		
3-1		10000		26.42	27.99	29.63	31.33	1000	34.91	36.79	
16 17	22.07	23.46	24.91 26.51	28,06			33.06		36.70		
	23.61	25.03		29.75	31.39	33.09	34.85	36.67	38.55	40.49	
18	25.22	26.67	28.18 29.91	31.51	33.18	34.91	36.70		40.46		
19	26.88	28.36		33.33	35.03	100000	38, 61	40.49	42.44	44,44	
20	28.61	30.12	31.70	The second second	70000	The second second	1000	Charles 2019	CHARBY	1000000	12
21	30.40	31.94	33.55	35.22	36.94		40.59		44.48		
22	32.25	33.83	35.46	37.16	38.92	40.74	42.62		46.57	48.64	
23	34.17	35.77	37.44	39.17	40.96	42.81	44.72	1 1 1 1 2 2 2 2 2 2	48.73	50.83	
24	36.14	37.78	39.48	41.23	43.06	44.94	46.88		50.96	53.09	
25	38.18	39,85	41.57	43.36	45.22	47.13	49.11	51.14	53,24	55.40	2
26	40.28	41.98	43.78	45.56	47.44	49.38	51.39	53.46	55.59	57.78	2
27	42.44	44.17	45.96	47.81	49.72	51.70	53.73	55.83	57.99	60.22	2
28	44.66	46.42	48.24	50, 12	52.07	54.07	56.14	58.27	60.46	62.72	
29	46.94	48.73	50.59	52.50	54.48	56.51	58,61	60.77	62.99	65.28	2
30	49.29	51.11	52.99	54.94	56.94	59.01	61.14	63.33	65.59	67.90	3
31	51.70	53.55	55.46	57.44	59.48	61.57	63.73	65.96	68.24	70.59	3
32	54.17	56.05	57.99	60.00	62.07	64.20	66.39	68.64	70.96	73.33	
33	56.70	58.61	60.59	62.62	64.72	66.88	69.10	71.39	73.73	76.14	
34	59.29	61.23	63,24	65.31	67.44	69.63	71.88	74.20	76.57	79.01	
35	61.94	63.92	65.96	68.06	70.22	72.44	74.72	77.07	79.48	81.94	3.
394		. 7.040	68.73	70.86	73.06	75.31	77.62	80.00	82.44	84.94	
36	64.66	66.67		73.73	75.96		80.59	82.99	85.46	87.99	
37	67.44 70.28	69.48 72.35	71.57	76.67	78.92		83.61	86.05	88.55	91.11	
38 39	73.18	75.28	77.44	79.66	81.94	84.29	86.70	89.17	91.70	94.29	
40	76.14	78.27	80.46	82.72	85.03	87.41	89.85	92.35	94.91	97.53	
		1000			1000000	7.00		ALC: C. C.		2277	
41	79.17	81.33	83.55	85.83 89.01	88.18 91.39	90.59 93.83	93.06 96.33			100.83 104.20	
42	82.25	84.44	86.70		94.66			102.25			
43	85.40	87.62	89.91	92.25		97.13 100.49					
44	88.61	90.86	93,18			103.92					
45	91.88	94.17	96,51	1-1-67.44	The state of the state of	- 10 m Maria	The second second second	The second		The state of the s	
46	95.22	97.53	99.91	102.35	104.85	107.41	110.03	112.72	115.46	118.27	4
47	98.61	100.96	103.36	105,83	108.36	110.96	113,61	116.33	119,10	121.94	4
48	102.07	104.44	106.88	109.38	111.94	114.57	117.25	120.00	122.81	125.68	4
49	105.59	107.99	110.46	112.99	115.59	118.24	120.96	123.73	126.57	129.47	4
50	109.17	111.60	114.10	116.67	119.29	121.98	124.72	127.53	130.40	133.33	5
-	11	10	10	14	1.5	16	17	10	10	90	-
- 1	11	12	13	14	15	16	17	18	19	20	1

TABLE IV.—BASE X.—SLOPES 21 to 1.

Feet.	21	22	23	24	25	26	27	28	29	30	Peet.
0	17.50	19.01	20.59	22.22	23.92	25.68	27.50	29.38	31.33	33.33	-
1	18.36	19.91	21.51	23.18		26.70	28.55	30.46	32.44	34.48	1
2	19.29	20.86	22.50	24.20			29.66	31.61	33.61	35.68	1
3	20.28	21.88	23.55	25.28	27.07	28.92	30.83	32,81	34.85	36.94	
4	21.33	22.96	24.66	26.42	28.24	30.12	32.07	34.07	36.14	38.27	4
5	22.44	24.11	25.83	27.62	29.48	31.39	33.36	35.40	37.50	39.66	
6	23.61	25.31	27.07	28.89	30.77	32.72	34:72	36.79	38.92	41.11	1
7	24.85	26.57	28.36	30.22	32,13		36.14	38.24	40.40	42.62	
8	26.14	27.90	29.72	31.61	33.55	35.56	37.62	39.75	41.94	44.20	
9	27.50	29,29	31.14	33.06	35,03	37.07	39.17	41.33	43.55	45.83	
10	28.92	30.74	32,62	34.57	36.57	38.64	40.77	42.96	45.22	47.53	1
11	30.40	32.25	34.17	36.14	38.18	40.28	42.44	44.66	46.94	49.29	
12	31.94	33.83	35.77	37.78	39.85	41.98	44.17	46.42	48.73	51.11	
13	33,55	35.46	37.44	39.48	41.57	43.78	45.96	48.24	50.59	52.99	
14	85.22	37.16	39.17	41.23	43.36	1	47.81	50.12	52.50	54.94	
15	36.94	38.92	40.96	43.06	45,22	47.44	49.72	52.07	54.48	56.94	100
16	38.78	40.74	42.81	44.94	47.13	49.38	51.70	54.07	District to the second	No. of Co.	100
17	40.59	42.62	44.72	46.88	49.11	51.39	53.73	56.14	56.51 58.61	59.01 61.14	
18	42.50	44.57	46.70	48.89	51.14		55.88	58.27	60.77	63.33	
19	44.48	46.57	48.73	50.96	53.24		57.99	60.46	62.99	65.59	
20	46.51	48.64	50.83	53.09	55.40	57.78	60.22	62.72	65.28	67.90	
UA L	1447741	66.56.7	Fig. (Fig.) Co.	13 1 TO 10	U.S. 1988	110 0115-01	4.1.25, 7.				1
21	48.61	50.77	52.99	55.28	57.62	60.03	62.50	65.03	67.62	70.28	
22	50.77	52.96	55.22	57.58	59.91	62.35	64.85	67.41	70.03	72.72	
23 24	52.99	55.22	57.50	59.85	62.25	64.72	67.25	69.85	72.50	75.22	
25	55.28	57.53	59.85	62.22	64.66	1 2 2 2 2 2 2	69.72	72.35	75.03	77.78	
100	57.62	59.91	62.25	64,66	67.13	69.66	72.25	74.91	77.62	80,40	25
26	60.03	62.35	64.72	67.16	69.66	72.22	74.85	77.53	80.28	83.09	
27	62.50	64.85	67.25	69.72	72.25	74.85	77.50	80.22	82.99	85.83	
28	65.03	67.41	69.85	72.35	74.91	77.53	80.22	82.96	85.77	88.64	
29	67.62	70.03	72.50	75.03	77.62	80.28	82.99	85.77	88.61	91.51	
30	70.28	72.72	75.22	77.78	80.40	83.09	85,83	88.64	91.51	94.44	30
31	72.93	75.46	77.99	80.59	83.24	85.96	88.73	91.57	94.48	97.44	31
32	75.77	78.27	80,83	83.46	86.14	88.89	91.70	94.57	97.50	100.49	35
33	78.61	81.14	83.73	86.39	89.10	91.88	94.72	97.62	100.59	103.61	38
34	81.51	84.07	86.70	89.38	92.13	94.94	97.81	100.74	103.73	106.79	34
35	84.48	87.07	89.72	92.44	95.22	98.06	100.96	103.92	106.94	110.03	38
36	87.50	90.12	92.81	95.56	98.36	101.23	104.17	107.16	110.22	113.33	36
37	90.59	93.24	95.96			104.48	107.44	110.46	113.55	116.70	37
38	93.73	96.42	99.17			107.78					
39	96.94	99.66	102.44	105.28	108.18	111.14	114.17	117.25	120.40	123,61	39
40	100.22	102.96	105.77	108.64	111.57	114.57	117.62	120.74	123,92	127.16	4(
			109.17								
42	106.94	109.75	112.62	115.56	118.55	121.60	124.72	127.90	131.14	134.44	4
			116.14								
			119.72								
			123.36								
		Control of the Contro	127.07		100 000 000						
			130.83								
48	128.61	131 60	134.66	137 78	140 96	144 90	147 50	150 86	154 90	157 79	4
49	132.44	135.46	138.55	141 70	144 91	148 19	151 51	154 91	158 26	161 89	1
50	136.33	139.38	142.50	145.68	148.92	152.22	155.59	159.01	162.50	166.05	5
	-32.00			-20.00			-55.00	-00.01	-02.00	200.00	_
-	21	22	23	24	Francisco 1				16.7.7	A	1

$\begin{array}{cccccccccccccccccccccccccccccccccccc$	Peet.	31	32	33	34	35	36	37	38	39	40	Feet.
2 37.81 40.00 42.25 44.57 46.94 49.38 51.88 54.44 57 3 39.11 41.33 43.61 45.96 48.36 50.83 53.36 55.96 58 5 41.88 44.17 46.51 48.92 51.39 53.92 56.51 59.17 61 6 43.36 45.68 48.06 50.49 52.99 55.56 58.18 60.86 63 7 44.91 47.25 49.66 52.13 54.66 57.25 59.1 61.70 64.44 67 9 48.18 50.59 53.06 55.59 58.18 68.33 63.55 66.33 69 9 48.18 50.59 53.06 55.59 58.18 68.33 63.55 66.33 69 10 49.91 52.35 54.85 57.41 60.03 62.72 65.46 68.27 71 11 51.70 54.17 56.70 59.29 61.94 64.66 67.44 70.28 73 12 53.55 56.05 58.61 61.23 63.92 66.67 69.48 72.35 73 13 55.46 57.99 60.59 63.24 65.96 68.73 71.57 74.48 77 14 57.44 60.00 62.62 65.31 68.06 70.86 73.73 76.67 78 14 57.44 60.00 62.62 65.31 68.06 70.86 73.73 76.67 78 15 59.48 62.07 64.72 67.44 70.22 73.06 75.96 78.92 81 16 61.57 64.20 66.88 69.63 72.44 75.31 78.24 81.23 84 17 63.73 66.39 69.10 71.88 74.72 77.62 80.59 83.61 86 18 65.96 68.64 71.39 74.20 77.07 80.00 82.99 86.05 88 19 68.24 70.96 73.73 76.57 79.48 82.44 85.46 88.55 91 10 72.99 75.77 78.61 81.51 84.48 87.50 90.59 93.73 96 10 72.99 75.77 78.61 81.51 84.48 87.50 90.59 93.73 96 10 72.99 80.83 83.73 86.70 89.72 92.81 95.96 99.17 10 12 72.99 75.77 78.61 81.51 84.48 87.50 90.59 93.73 96 12 73.48 80.59 83.46 86.39 89.38 92.44 95.56 98.73 101.98 105 12 74.89 79.70 94.72 97.81 100.96 104.17 107.44 110.77 114 18 99.48 88.89 91.89 94.94 98.06 101.23 104.48 107.78 111 19 99.48 88.89 91.80 94.94 98.06 101.23 104.48 107.78 111 10 99.48 130.91 16.33 119.66 122.99 126.42 129.91 133.36 136.68 140.49 144.10 147.78 151 13 100.46 103.55 106.70 109.91 113.18 116.51 119.91 123.36 126.67 130 97.44 100.49 103.61 106.79 110.03 113.33 116.70 120.12 123 13 100.46 103.55 106.67 109.95 113.09 116.39 119.66 122.99 126.49 129.91 133.36 136.68 144.10 147.78 151 13 11 11 11 11 11 11 11 11 11 11 11 11 1	0	35.40	37.53	89.72	41.98	44.29	46.67	49.11	51.61	54.17	56.79	0
3 39.11 41.33 43.61 45.96 48.36 50.83 53.86 55.96 58 44 40.46 42.72 45.03 47.41 49.85 52.35 54.91 57.53 60 66 43.36 44.17 46.51 48.92 51.89 53.92 56.51 59.17 61 61 64 43.36 45.68 48.06 50.49 52.99 55.56 58.18 60.86 63 7 44.91 47.25 49.66 52.13 54.66 57.25 59.91 62.62 65 84.65 7 48.89 51.33 53.83 56.89 59.01 61.70 64.44 67 49.91 52.35 54.85 57.41 60.03 62.72 65.46 68.27 71 11 51.70 54.17 56.70 59.29 61.94 64.66 67.44 70.28 73 11 51.70 54.17 56.70 59.29 61.94 66.66 67 69.48 72.35 75 14 57.49 60.00 62.62 65.31 68.06 70.86 73.71 74.48 77 14 57.44 60.00 62.62 65.31 68.06 70.86 73.73 76.67 79 14 57.44 60.00 62.62 65.31 68.06 70.86 73.73 76.67 79 14 57.44 60.00 62.62 65.31 68.06 70.86 73.73 76.67 79 15 59.48 62.07 64.72 67.44 70.22 73.06 75.96 78.92 81 16 61.57 64.20 66.88 69.63 72.44 75.31 78.24 81.23 84 65.96 68.24 70.96 73.73 76.57 79.48 82.44 85.46 88.55 91 70.59 73.33 76.14 79.01 81.94 84.94 87.99 91.11 94 21 72.99 75.77 8.61 81.51 84.48 87.50 90.59 93.73 97.57 78.61 81.51 84.48 87.50 90.59 93.73 97.99 80.83 83.73 86.70 89.72 92.81 95.96 99.17 102 93.24 96.42 99.83 80.59 83.64 86.39 89.38 92.44 95.56 98.73 101.98 102 92.75 46 78.27 81.14 84.07 87.07 90.12 93.24 96.42 99.83 80.59 83.68 83.73 86.70 89.72 92.81 95.96 99.17 102 93.24 96.42 99.94 48 99.06 101.23 104.48 107.78 11 99.94 48 97.50 100.59 103.73 106.94 110.22 113.55 116.94 129.99 13.3 100.46 103.55 106.67 109.85 113.09 116.33 119.63 122.99 126.42 129.91 133.36 126.81 109.91 113.09 116.33 119.63 122.99 126.42 129.91 133.46 138 116.51 119.75 123.86 126.67 130.03 133.46 133.81 116.51 119.75 123.06 126.49 110.93 113.33 116.70 120.12 123 131.10 13.18 116.51 119.75 123.06 126.49 129.91 133.36 136.88 140.49 144.10 147.78 151 331 144.57 145.03 148.55 152.13 155.77 159.47 163.94 144.10 147.78 151 134.14 134.14 138.14 128.14 128.14 129.91 133.36 136.88 140.49 144.10 147.78 151 331 126.88 130.22 133.61 137.07 140.99 144.17 147.81 151.51 155 144.10 137.50 140.96 144.47 148.96 151.70 155.40 159.17 112 123 131 126.81 130.91 16.33 119.65 129.91 133.36 136.88 140.49 144.1		36.57	38.73	40.96	43.24	45.59	47.99	50.46	52.99	55.59	58.24	
4 40.46 42.72 45.03 47.41 49.85 52.35 54.91 57.53 60 5 41.88 44.17 46.51 48.92 51.39 55.56 58.18 60.86 67 7 44.91 47.25 49.66 52.13 54.66 57.25 59.91 62.62 65 8 46.57 48.89 51.33 53.83 56.39 59.01 61.70 64.44 67 9 48.18 50.59 53.06 55.59 58.18 68.33 63.55 66.33 69 10 49.91 52.35 54.85 57.41 60.03 62.72 65.46 68.27 71 11 51.70 54.17 56.70 59.29 61.94 64.66 67.44 70.28 73 12 53.55 56.05 58.61 61.23 63.92 66.67 69.48 72.35 75 13 55.46 57.99 60.59 63.24 65.96 68.73 71.57 74.48 77 15 59.48 62.07 64.72 67.44 70.22 73.06 73.73 76.67 78 15 59.48 62.07 64.72 67.44 70.22 73.06 75.96 78.92 81 16 61.57 64.20 66.88 69.63 72.44 75.31 78.24 81.23 84 17 63.73 66.39 69.10 71.88 74.72 77.62 80.59 83.61 88 18 65.96 68.64 71.39 74.20 77.07 80.00 83.99 86.05 88 19 68.24 70.96 73.73 76.57 79.48 82.44 85.46 88.55 91 19 68.24 70.96 73.73 76.57 79.48 82.44 85.46 88.55 91 20 70.59 73.33 76.14 79.01 81.94 84.94 87.99 91.11 94 21 72.99 75.77 78.61 81.51 84.48 87.50 90.59 93.73 98 22 75.46 78.27 81.14 84.07 87.07 90.12 93.24 96.42 98 23 77.99 80.83 83.73 86.70 89.72 92.81 95.96 99.17 102 24 80.59 83.46 86.39 89.38 92.44 95.56 98.73 101.98 103 24 80.59 83.46 86.39 89.38 92.44 95.56 98.73 101.98 103 24 80.59 83.46 86.39 89.38 92.44 95.56 98.73 101.98 103 25 83.24 86.14 89.10 92.13 95.22 98.36 101.57 104.85 108 26 85.96 88.89 91.88 94.94 98.06 101.23 104.48 107.78 112 29 94.48 97.50 100.59 103.73 106.94 110.22 113.55 116.94 120.12 123 31 100.46 103.55 106.70 109.91 113.18 116.51 119.91 123.36 126.87 103.05 116.57 100.98 113.06 116.39 119.66 123.06 126.42 129.91 133.46 183.81 116.51 119.75 123.18 126.67 138 31 100.46 103.55 106.67 109.85 113.09 116.39 119.75 123.18 126.67 138 31 107.75 123.18 126.51 129.91 133.36 136.88 140.46 144.10 147.78 151 38 123.36 126.67 130.03 133.46 136.94 140.49 144.10 147.78 151 38 123.36 126.67 130.03 133.46 136.94 140.49 144.10 147.78 151 38 123.36 126.67 130.03 133.46 136.94 140.49 144.10 147.78 151 38 123.36 126.67 130.03 133.46 136.94 140.49 144.10 147.78 151 38 123.46 126.67 130.03 133.46 136.94 140.49 144.10		37.81					49.38	51.88	54.44	57.07	59.75	
5 41.88 44.17 46.51 48.92 51.89 53.92 56.51 59.17 61 6 43.36 45.68 48.06 50.49 52.99 55.56 58.18 60.86 63 7 44.91 47.25 49.66 52.13 54.66 57.25 59.91 62.62 65 9 48.18 50.59 53.06 55.59 58.18 68.33 63.55 66.33 69 10 49.91 52.35 54.85 57.41 60.03 62.72 65.46 68.27 71 11 51.70 54.17 56.70 59.29 61.94 66.67 69.48 72.35 74 12 53.55 56.05 58.61 61.23 68.92 66.67 69.48 72.35 74 48.72 35 74 48.72 35 74 48.72 35 75 48.82 80.60 76.83 72.43 75.33 76.67 78 <t< td=""><td></td><td></td><td>27.00</td><td>1000</td><td></td><td></td><td>50.83</td><td></td><td></td><td>58.61</td><td>61.33</td><td>8</td></t<>			27.00	1000			50.83			58.61	61.33	8
6 43.36 45.68 48.06 50.49 52.99 55.56 58.18 60.86 63 7 44.91 47.25 49.66 52.13 54.66 57.25 59.91 62.62 65 84.657 48.89 51.33 53.83 56.39 59.01 61.70 64.44 67 94.818 50.59 53.06 55.59 58.18 68.83 63.55 66.33 69 10 49.91 52.35 54.85 57.41 60.03 62.72 65.46 68.27 71 11 51.70 54.17 56.70 59.29 61.94 64.66 67.44 70.28 73 12 53.55 56.05 58.61 61.23 63.92 66.67 69.48 72.35 75 14 57.44 60.00 62.62 65.31 68.06 70.86 73.73 76.67 79 14 57.44 60.00 62.62 65.31 68.06 70.86 73.73 76.67 79 15 59.48 62.07 64.72 67.44 70.22 73.06 75.96 78.92 81 16 61.57 64.20 66.88 69.63 72.44 75.31 78.24 81.23 84 81.63 68.64 68.64 70.85 68.64 70.96 78.73 76.57 79.48 82.44 85.46 88.55 91 68.24 70.96 73.73 76.57 79.48 82.44 85.46 88.55 91 68.24 70.96 73.73 76.57 79.48 82.44 85.46 88.55 91 68.24 70.96 73.73 76.57 79.48 82.44 85.46 88.55 91 68.24 70.96 73.73 76.57 79.48 82.44 85.46 88.55 91 68.24 70.96 73.73 76.57 79.48 82.44 85.46 88.55 91 68.24 70.96 73.73 76.57 79.48 82.44 85.46 88.55 91 71.79 80.83 83.73 86.70 89.72 92.81 95.96 99.17 102 22 75.46 78.27 81.14 84.07 87.07 90.12 93.24 96.42 99.24 80.59 83.46 86.39 89.38 92.44 95.56 98.73 101.98 105 24 80.59 83.46 86.39 89.38 92.44 95.56 98.73 101.98 105 25 83.24 86.14 89.10 92.13 95.22 98.86 101.57 104.85 108 91.57 94.57 97.62 100.74 103.92 107.16 110.46 113.83 117 99.44 100.49 103.61 106.79 110.03 113.33 116.70 120.12 123 31 100.46 103.55 106.67 109.91 113.18 116.21 119.75 123.18 126.51 129.91 133.36 136.88 140.49 144.10 147.78 151 38 116.39 119.66 122.99 126.39 129.85 133.36 136.94 140.49 113.18 116.39 119.66 122.99 126.39 129.85 133.36 136.94 140.49 144.10 147.78 151 38 126.67 136 144.47 144.29 148.29 152.41 144.29 144.79 145.89 152.44 156.05 159.77 169.47 169.99 163.09 164.44 17.77 144.19 147.78 151 38 126.67 136 144.47 144.89 155.57 155.31 159 123.86 126.67 130.03 133.46 136.94 140.49 144.10 147.78 151 38 126.67 136 144.47 144.89 155.57 155.31 159 144.47 144.89 155.44 156.05 159.77 159.47 163.24 167.07 170 144.41 170.77 144.49 144.10 147.78 151 38 126.67 136 144.47 148.89 152.44 156.05 159.7				100		000000	1000		57.53	60.22	62.96	4
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8 46.57 48.89 51.33 53.83 56.39 59.01 61.70 64.44 67 9 48.18 50.59 53.06 55.59 58.18 68.33 63.55 66.33 63 63 62.72 65.46 68.27 71 11 51.70 54.17 56.70 59.29 61.94 64.66 67.44 70.28 73 12 53.55 56.05 58.61 61.23 63.92 66.67 69.48 72.35 75 13 55.46 57.99 60.59 63.24 65.96 68.73 71.57 74.48 77 14 57.44 60.00 62.62 65.31 68.67 73.73 76.67 78 92 81 16 61.57 64.20 66.88 69.63 72.44 75.81 78.22 81.13 84 17 63.73 66.57 79.48 82.44 85.46 88.55 91 18 65.96 68.64 71.39 74.20 77.07 80.00 82.99		43.36	45.68	48.06		52.99	55.56	58.18	60.86	63.61	66.42	1
9 48.18 50.59 58.06 55.59 58.18 68.33 63.55 66.33 69. 10 49.91 52.35 54.85 57.41 60.03 62.72 65.46 68.27 71. 11 51.70 54.17 56.70 59.29 61.94 64.66 67.44 70.28 73. 13 55.46 57.99 60.59 63.24 65.96 68.73 71.57 74.48 77. 14 57.44 60.00 62.62 65.31 68.06 70.86 73.73 76.67 79. 15 59.48 62.07 64.72 67.44 70.22 73.06 75.96 78.92 81. 16 61.57 64.20 66.88 69.63 72.44 75.31 78.24 81.23 84. 17 63.73 66.39 69.10 71.88 74.72 77.62 80.59 83.61 86.85 86.24 70.96 73.73 74.57 77.07 80.00 82.99 86.05 88. 19 68.24 70.96 73.73 76.57 79.48 82.44 85.46 88.55 91.9 68.24 70.96 73.73 76.57 79.48 82.44 85.46 88.55 91.9 68.24 70.96 73.73 76.57 79.48 82.44 85.46 88.55 91.2 75.46 78.27 81.14 84.07 87.07 90.12 93.24 96.42 99.2 75.46 78.27 81.14 84.07 87.07 90.12 93.24 96.42 99.17 10.2 27.56 88.89 89.38 92.44 95.56 98.73 101.98 105.25 83.24 86.14 89.10 92.13 95.22 98.86 101.57 104.85 108.25 83.24 86.14 89.10 92.13 95.22 98.86 101.57 104.85 108.25 83.24 86.14 89.10 92.13 95.22 98.86 101.57 104.85 108.25 83.24 86.14 89.10 92.13 95.22 98.86 101.57 104.85 108.25 83.24 86.14 89.10 92.13 95.22 98.86 101.57 104.85 108.25 83.24 86.14 89.10 92.13 95.22 98.86 101.57 104.85 108.25 83.24 86.14 89.10 92.13 95.22 98.86 101.57 104.85 108.25 83.24 86.14 89.10 92.13 95.22 98.86 101.57 104.85 108.25 83.24 86.14 89.10 92.13 95.22 98.86 101.57 104.85 108.25 83.24 86.14 89.10 92.13 95.22 98.86 101.57 104.85 108.25 83.25 83.26 83.86 83.87 83 83.73 86.70 89.72 92.81 95.96 99.17 102.83 100.96 104.17 107.44 110.77 114.25 83.13 100.46 103.55 106.70 109.85 113.09 116.39 110.99 113.38 116.50 119.91 123.36 126.88 130.22 133.61 106.79 110.03 113.38 116.70 120.12 123.31 100.46 103.55 106.70 109.95 113.09 116.39 119.75 123.18 126.67 180.33 119.63 122.99 126.42 129.91 133.46 187 119.91 123.18 126.51 129.91 133.36 136.88 140.49 144.10 147.78 151.51 155 100.85 133.85 133.85 133.85 136.88 140.49 144.47 144.29 144.10 147.78 151.51 155 140 130.46 133.83 137.25 140.74 144.29 147.90 151.57 155.31 159 144.19.91 123.18 126.51 129.91 133.36 136.88 140.49 144.14 147.79 114.57 145.09		44.91	47.25	49.66	52.13	54.66	57.25	59.91	62,62	65.40	68.24	7
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11 51.70 54.17 56.70 59.29 61.94 64.66 67.44 70.28 73.13 55.46 57.99 60.59 63.24 65.96 68.73 71.57 74.48 77.14 67.04 60.00 62.62 65.31 68.06 70.86 73.73 76.67 79.14 57.44 60.00 62.62 65.31 68.06 70.86 73.73 76.67 79.15 59.48 62.07 64.72 67.44 70.22 73.06 75.96 78.92 81 65.96 68.64 71.39 74.20 77.07 80.00 82.99 86.05 88 717 63.73 66.39 69.10 71.88 74.72 77.62 80.59 83.61 86.96 68.24 70.96 73.73 76.57 79.48 82.44 85.46 88.55 91 66.20 70.59 73.33 76.14 79.01 81.94 84.94 87.99 91.11 94.21 72.99 75.77 78.61 81.51 84.48 87.50 90.59 93.73 96.22 75.46 78.27 81.14 84.07 87.07 90.12 93.24 96.42 93.24 80.59 83.46 86.39 89.38 92.44 95.56 98.73 101.98 105.84 80.59 83.46 86.39 89.38 92.44 95.56 98.73 101.98 105.84 80.59 83.46 86.39 89.38 92.44 95.56 98.73 101.98 105.99 94.72 97.81 100.96 104.17 107.44 110.77 114.98 11.57 94.48 97.50 100.59 103.73 106.94 110.22 113.55 116.94 126 99.91 113.09 116.33 119.63 119.65 123.91 119.75 123.66 16.33 119.66 123.99 126.49 119.75 123.18 126.51 129.91 133.36 136.88 140.49 144.10 147.81 134.10 137.50 140.96 144.47 148.06 151.70 155.40 154.49 144.15 1147.81 151.51 155.40 130.46 133.83 137.25 140.74 144.29 147.90 151.57 155.31 159.41 157.15 115.54 101.98 152.99 126.88 130.22 133.85 113.00 46 133.83 137.25 140.74 144.29 147.90 151.57 155.31 159.41 134.10 137.50 140.96 144.47 140.49 144.10 147.81 134.10 137.50 140.96 144.47 144.99 147.90 151.57 155.31 159.123.81 126.51 129.91 133.36 136.88 140.49 144.15 147.78 151.51 155.40 130.46 133.83 137.25 140.74 144.29 147.90 151.57 155.31 159.41 134.10 137.50 140.96 144.47 148.06 151.70 155.40 159.17 162 144.57 145.08 148.55 152.13 155.77 159.47 163.24 167.07 170.44 145.50 148.89 152.44 156.05 159.72 163.46 167.25 171.11 175 145.64 149.29 152.81 156.39 160.03 163.73 167.50 171.83 175.22 179.44 145.50 148.89 152.44 156.05 159.72 163.46 167.25 171.11 175 145.05 149.99 152.81 156.89 160.03 163.73 167.50 171.83 175.22 179.44 145.50 148.89 152.44 156.05 159.72 163.46 167.25 177.11 175 144 145.50 148.89 152.44 156.05 159.72 163.46 167.25 177.11 175 144 145.50 1			100000	THE R. LEWIS CO., LANSING	44.5			- 17-30 J. E.	66.33	69,17	72.07	1
12 53.55 56.05 58.61 61.23 63.92 66.67 69.48 72.35 75 74.48 77 74.48 77 74.48 77 74.48 77 74.48 77 74.48 77 74.48 77 74.48 77 76.67 79 78.73 76.67 79 78 79 78 88 85 59 98 86 68 86 86 86 78 78 79 78 80 88 59 88 69 10 71 88 74 72 79 80 88 59 98 78 76 77 79 88 86	0	49,91	52.35	54.85	57,41	60.03	62.72	65.46	68, 27	71.14	74.07	1(
12 53.55 56.05 58.61 61.23 68.92 66.67 69.48 72.35 75 74.48 77 74.48 77 74.48 77 74.48 77 74.48 77 74.48 77 74.48 77 76.67 78 76.67 78 76.67 78 76.67 78 78 76.67 78 78 76.67 78 88 78 77 76 80 89 89 88 69 69 71 78 71 78 71 78 71 78 71 78 71 78 71 78 71 78 71 79 71 79 78 88 82 49 88 50 99 99 91 11 94 72 99 73 98 78 73	1	51.70	54.17	56.70	59.29	61.94	64.66	67.44	70.28	73.18	76.14	11
$\begin{array}{c} 13 \\ 55.46 \\ 57.44 \\ 60.00 \\ 62.62 \\ 65.31 \\ 68.06 \\ 70.86 \\ 70.86 \\ 73.73 \\ 76.67 \\ 79.66 \\ 78.92 \\ 81.15 \\ 59.48 \\ 62.07 \\ 64.72 \\ 64.67 \\ 64.67 \\ 64.67 \\ 66.88 \\ 69.63 \\ 72.44 \\ 75.81 \\ 78.24 \\ 75.81 \\ 78.24 \\ 75.81 \\ 78.24 \\ 81.23 \\ 84.17 \\ 63.73 \\ 66.39 \\ 66.39 \\ 69.10 \\ 71.88 \\ 74.72 \\ 77.62 \\ 70.76 \\ 80.00 \\ 82.47 \\ 70.70 \\ 80.00 \\ 82.49 \\ 80.59 \\ 83.61 \\ 86.59 \\ 68.24 \\ 70.96 \\ 73.73 \\ 76.67 \\ 79.48 \\ 87.70 \\ 79.01 \\ 81.94 \\ 82.44 \\ 85.46 \\ 88.55 \\ 91.81 \\ 91.81 \\ 91.81 \\ 92.13 \\ 79.01 \\ 81.94 \\ 92.81 \\ 93.24 \\ 95.56 \\ 98.73 \\ 90.12 \\ 93.24 \\ 96.42 \\ 99.91.11 \\ 94.22 \\ 93.74 \\ 96.42 \\ 99.91.11 \\ 94.22 \\ 93.74 \\ 96.42 \\ 99.91.11 \\ 94.23 \\ 77.99 \\ 80.83 \\ 83.73 \\ 86.70 \\ 89.72 \\ 92.81 \\ 92.81 \\ 95.56 \\ 98.73 \\ 101.98 \\ 102.81 \\ 91.88 \\ 91.88 \\ 91.88 \\ 91.88 \\ 94.94 \\ 98.06 \\ 101.23 \\ 100.46 \\ 103.55 \\ 106.67 \\ 109.85 \\ 113.00.59 \\ 103.73 \\ 106.94 \\ 110.03 \\ 113.00 \\ 113.00 \\ 109.85 \\ 113.00.46 \\ 103.55 \\ 106.67 \\ 109.85 \\ 113.00 \\ 109.85 \\ 113.00 \\ 109.85 \\ 113.00 \\ 109.85 \\ 113.00 \\ 109.85 \\ 113.00 \\ 109.85 \\ 113.00 \\ 109.85 \\ 113.00 \\ 109.85 \\ 113.00 \\$	2	53.55	56.05	58.61	61.23	63.92	66.67			75.28		10.
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16 61.57 64.20 66.88 69.63 72.44 75.81 78.24 81.23 84 17 63.73 66.39 69.10 71.88 74.72 77.62 80.59 83.61 86 18 65.96 68.64 71.39 74.20 77.07 80.00 82.99 86.05 88 20 70.59 73.33 76.14 79.01 81.94 87.99 91.11 94 21 72.99 75.77 78.61 81.51 84.48 87.50 90.59 93.73 96 22 75.46 78.27 81.14 84.07 87.07 90.12 93.24 96.42 93 23 77.99 80.83 83.73 86.70 89.72 92.81 95.96 99.171 92 24 80.59 88.89 91.88 94.94 98.06 101.23 104.48 107.78 111 26 85.96 88.89 91.88 94.94 <td>4</td> <td>57.44</td> <td>60.00</td> <td>62.62</td> <td>65.31</td> <td>68,06</td> <td>70.86</td> <td>73.73</td> <td>76.67</td> <td>79.66</td> <td></td> <td></td>	4	57.44	60.00	62.62	65.31	68,06	70.86	73.73	76.67	79.66		
17 63.73 66.39 69.10 71.88 74.72 77.62 80.59 83.61 86 86 71.39 74.20 77.07 80.00 82.99 86.05 88 50 80 82.99 86.05 88 50 80 82.44 85.46 88.55 91 92 70.59 73.33 76.14 79.01 81.94 84.94 87.99 91.11 94 92 75.77 78.61 81.51 84.48 87.50 90.59 93.73 96.42 93 93.73 86.62 88.87 88.73 86.70 89.72 92.81 95.96 99.171 19 94 80.59 88.89 88.89 88.89 88.89 88.89 88.89 88.89 91.88 94.94 98.06 101.23 104.48 107.78 111 94.72 97.81 100.96 104.17 107.44 110.77 114 28 91.57 94.72 97.81 100.96 104.17 107.44 110.77 114 102.48 103.91 113.33 116.70 121.12 136.51 166.91	5	59.48	62.07	64.72	67.44	70.22	73,06	75.96	78.92	81.94	85.03	1
17 63.73 66.39 69.10 71.88 74.72 77.62 80.59 83.61 86 86 71.39 74.20 77.07 80.00 82.99 86.05 88 50 80 82.99 86.05 88 50 80 82.44 85.46 88.55 91 92 70.59 73.33 76.14 79.01 81.94 84.94 87.99 91.11 94 92 75.77 78.61 81.51 84.48 87.50 90.59 93.73 96.42 93 93.73 86.62 88.87 88.73 86.70 89.72 92.81 95.96 99.171 19 94 80.59 88.89 88.89 88.89 88.89 88.89 88.89 88.89 91.88 94.94 98.06 101.23 104.48 107.78 111 94.72 97.81 100.96 104.17 107.44 110.77 114 28 91.57 94.72 97.81 100.96 104.17 107.44 110.77 114 102.48 103.91 113.33 116.70 121.12 136.51 166.91	6	61.57	64.20	66.88	69.63	72.44	75.81	78.24	81.23	84.29	100 V	130
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$\begin{array}{c} 19 & 68.24 & 70.96 & 78.73 & 76.57 & 79.48 & 82.44 & 85.46 & 88.55 & 91.00.00 & 9$								100000000000000000000000000000000000000		89.17		100
20 70.59 78.38 76.14 79.01 81.94 84.94 87.99 91.11 94 21 72.99 75.77 78.61 81.51 84.48 87.50 90.59 93.73 96 22 75.46 78.27 81.14 84.07 87.07 90.12 93.24 96.42 99 24 80.59 83.46 86.39 89.38 92.44 95.56 98.73 101.98 105 25 83.24 86.14 89.10 92.13 95.22 98.36 101.57 104.85 108 26 85.96 88.89 91.88 94.94 98.06 101.23 104.48 107.78 111 27 88.73 91.70 94.72 97.81 100.96 104.17 107.44 110.77 114.85 112.77 114.83 117.77 114.83 117.77 114.83 117.77 114.83 117.77 114.83 117.77 114.10 110.04 100.21						0.000.000		12912		91.70	100000000000000000000000000000000000000	100
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$\begin{array}{c} 36 \ \ 116.\ 51 \ \ 119.\ 75 \ \ 123.\ 06 \ \ 126.\ 42 \ \ 129.\ 85 \ \ 133.\ 33 \ \ 136.\ 88 \ \ 140.\ 49 \ \ 144 \ \ 149 \ \ \ 149 \ \ \ 149 \ \ \ 149 \ \ \ 149 \ \ \ 149 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \$	4	109.91	113.09	116.33	119.63	122.99	126,42	129.91	133.46	137.07	140.74	34
$\begin{array}{c} 37 \\ 119 \\ 91 \\ 123 \\ 18 \\ 123 \\ 18 \\ 126 \\ 18 \\ 18 \\ 126 \\ 18 \\ 18 \\ 18 \\ 18 \\ 18 \\ 18 \\ 18 \\ 1$	- E			700000000000000000000000000000000000000	300		100	7			0000000	100
$\begin{array}{c} 38 123 .36 126 .67 130 .03 133 .46 136 .94 140 .49 144 .10 147 .78 151 \\ 39 126 .88 130 .22 133 .61 137 .07 140 .59 144 .17 147 .81 151 .51 .15 .54 \\ 40 130 .46 133 .83 137 .25 140 .74 144 .29 147 .90 151 .57 155 .31 159 \\ 42 137 .81 141 .25 140 .96 144 .47 148 .06 151 .70 155 .40 159 .77 162 \\ 42 137 .81 141 .23 144 .72 148 .27 151 .88 155 .56 159 .29 163 .09 166 \\ 43 141 .57 145 .03 148 .55 152 .13 155 .77 159 .47 163 .24 167 .07 176 \\ 44 145 .40 148 .89 152 .44 156 .05 159 .72 163 .46 167 .25 171 .11 175 \\ 45 149 .29 152 .81 156 .39 160 .03 163 .73 167 .50 171 .33 175 .22 179 \\ 46 153 .24 156 .79 160 .40 164 .07 167 .81 171 .60 175 .46 179 .38 188 \\ 47 157 .25 160 .83 164 .47 168 .81 171 .94 175 .77 179 .66 183 .61 187 \\ 48 161 .33 164 .94 168 .61 172 .35 176 .14 180 .00 183 .92 187 .90 191 \\ 49 165 .46 169 .10 172 .81 176 .57 180 .40 184 .29 188 .24 192 .25 198 \end{array}$												
$\begin{array}{c} \textbf{39} \textbf{126}, \textbf{88} \textbf{130}, \textbf{22} \textbf{133}, \textbf{61} \textbf{137}, \textbf{07} \textbf{140}, \textbf{59} \textbf{144}, \textbf{17} \textbf{147}, \textbf{81} \textbf{151}, \textbf{51} \textbf{156} \\ \textbf{40} \textbf{130}, \textbf{46} \textbf{133}, \textbf{83} \textbf{337}, \textbf{25} \textbf{140}, \textbf{74} \textbf{144}, \textbf{29} \textbf{147}, \textbf{90} \textbf{151}, \textbf{57} \textbf{155}, \textbf{31} \textbf{159} \\ \textbf{42} \textbf{134}, \textbf{10} \textbf{137}, \textbf{50} \textbf{140}, \textbf{96} \textbf{144}, \textbf{47} \textbf{148}, \textbf{06} \textbf{151}, \textbf{70} \textbf{155}, \textbf{40} \textbf{159}, \textbf{17} \textbf{162} \\ \textbf{42} \textbf{137}, \textbf{81} \textbf{141}, \textbf{23} \textbf{144}, \textbf{72} \textbf{148}, \textbf{27} \textbf{151}, \textbf{88} \textbf{155}, \textbf{56} \textbf{159}, \textbf{29} \textbf{163}, \textbf{09} \textbf{166} \\ \textbf{43} \textbf{141}, \textbf{57} \textbf{145}, \textbf{03} \textbf{148}, \textbf{55} \textbf{152}, \textbf{13} \textbf{155}, \textbf{77} \textbf{159}, \textbf{47} \textbf{163}, \textbf{24} \textbf{167}, \textbf{07} \textbf{176} \\ \textbf{44} \textbf{145}, \textbf{40} \textbf{148}, \textbf{89} \textbf{152}, \textbf{44} \textbf{156}, \textbf{05} \textbf{159}, \textbf{72} \textbf{163}, \textbf{46} \textbf{167}, \textbf{25} \textbf{171}, \textbf{11} \textbf{175} \\ \textbf{45} \textbf{449}, \textbf{29} \textbf{152}, \textbf{81} \textbf{156}, \textbf{39} \textbf{160}, \textbf{03} \textbf{163}, \textbf{78} \textbf{167}, \textbf{50} \textbf{171}, \textbf{33} \textbf{175}, \textbf{22} \textbf{179} \\ \textbf{46} \textbf{153}, \textbf{24} \textbf{156}, \textbf{79} \textbf{160}, \textbf{40} \textbf{164}, \textbf{07} \textbf{167}, \textbf{81} \textbf{171}, \textbf{60} \textbf{175}, \textbf{46} \textbf{179}, \textbf{38} \textbf{188} \\ \textbf{47} \textbf{157}, \textbf{25} \textbf{160}, \textbf{83} \textbf{164}, \textbf{47} \textbf{168}, \textbf{18} \textbf{171}, \textbf{94} \textbf{175}, \textbf{77} \textbf{179}, \textbf{66} \textbf{188}, \textbf{18} \textbf{187} \\ \textbf{48} \textbf{161}, \textbf{33} \textbf{164}, \textbf{94} \textbf{168}, \textbf{61} \textbf{172}, \textbf{35} \textbf{176}, \textbf{14} \textbf{180}, \textbf{00} \textbf{183}, \textbf{92} \textbf{187}, \textbf{90} \textbf{191} \\ \textbf{49} \textbf{165}, \textbf{46} \textbf{169}, \textbf{10} \textbf{172}, \textbf{81} \textbf{176}, \textbf{57} \textbf{180}, \textbf{40} \textbf{184}, \textbf{29} \textbf{188}, \textbf{24} \textbf{192}, \textbf{25} \textbf{198} \\ \textbf{34} \textbf{34} \\ \textbf{34} \textbf{34} \\ \textbf{34} 34$												
$ \begin{array}{c} 40 \ \ 130.46 \ \ 138.83 \ \ 137.25 \ \ 140.74 \ \ 144.29 \ \ 147.90 \ \ 151.57 \ \ 155.31 \ \ 159 \ \ 141.14 \ \ 141.29 \ \ 141.29 \ \ 141.29 \ \ 141.23 \ \ 144.72 \ \ 148.27 \ \ 151.55 \ \ 155.56 \ \ 159.29 \ \ 163.09 \ \ 168.31 \ \ 141.23 \ \ 144.72 \ \ 148.27 \ \ 155.57 \ \ 155.56 \ \ 159.29 \ \ 167.07 \ \ 170.70 \ \ 163.24 \ \ 167.07 \ \ 170.70 \ \ 170.$	8	123.36	126.67	130.03	133.46	136,94	140.49	144.10	147.78	151.51	155.31	38
$\begin{array}{c} 41 \ 134. \ 10 \ 137. \ 50 \ 140. \ 96 \ 144. \ 47 \ 148. \ 06 \ 151. \ 70 \ 155. \ 40 \ 159. \ 17 \ 162 \\ 42 \ 137. \ 81 \ 141. \ 23 \ 144. \ 72 \ 148. \ 27 \ 151. \ 88 \ 155. \ 56 \ 159. \ 29 \ 163. \ 09 \ 166 \\ 43 \ 141. \ 57 \ 145. \ 03 \ 148. \ 55 \ 152. \ 13 \ 155. \ 77 \ 159. \ 47 \ 163. \ 24 \ 167. \ 07 \ 170 \\ 44 \ 145. \ 40 \ 148. \ 89 \ 152. \ 44 \ 156. \ 05 \ 159. \ 72 \ 163. \ 46 \ 167. \ 25 \ 171. \ 11 \ 175 \\ 45 \ 149. \ 29 \ 152. \ 81 \ 156. \ 39 \ 160. \ 03 \ 163. \ 73 \ 167. \ 50 \ 171. \ 33 \ 175. \ 22 \ 173 \\ 46 \ 153. \ 24 \ 156. \ 79 \ 160. \ 40 \ 164. \ 07 \ 167. \ 81 \ 171. \ 60 \ 175. \ 46 \ 179. \ 38 \ 183 \\ 47 \ 157. \ 25 \ 160. \ 83 \ 164. \ 47 \ 168. \ 18 \ 171. \ 94 \ 175. \ 77 \ 179. \ 66 \ 183. \ 61 \ 187 \\ 48 \ 161. \ 33 \ 164. \ 94 \ 168. \ 61 \ 172. \ 35 \ 176. \ 14 \ 180. \ 00 \ 183. \ 92 \ 187. \ 90 \ 194 \\ 49 \ 165. \ 46 \ 169. \ 10 \ 172. \ 81 \ 176. \ 57 \ 180. \ 40 \ 184. \ 29 \ 188. \ 24 \ 192. \ 25 \ 196 \\ 49 \ 165. \ 46 \ 169. \ 10 \ 172. \ 81 \ 176. \ 57 \ 180. \ 40 \ 184. \ 29 \ 188. \ 24 \ 192. \ 25 \ 196 \\ 40 \ 165. \ 46 \ 169. \ 10 \ 172. \ 81 \ 176. \ 57 \ 180. \ 40 \ 184. \ 29 \ 188. \ 24 \ 192. \ 25 \ 196 \\ 40 \ 165. \ 46 \ 169. \ 10 \ 172. \ 81 \ 176. \ 57 \ 180. \ 40 \ 184. \ 29 \ 188. \ 24 \ 192. \ 25 \ 196 \\ 40 \ 165. \ 40 \ 184. \ 29 \ 188. \ 24 \ 192. \ 25 \ 196 \\ 40 \ 165. \ 40 \ 164. \ 47 \ 168. \ 47 \ 176. \ 47 \ 180. \ 40 \ 184. \ 29 \ 188. \ 24 \ 192. \ 25 \ 196 \\ 40 \ 165. \ 40 \ 184. \ 29 \ 188. \ 24 \ 192. \ 25 \ 196 \\ 40 \ 164. \ 47 \ 180. \ 40 \ 184. \ 29 \ 188. \ 24 \ 192. \ 25 \ 196 \\ 40 \ 166. \ 47 \ 176. \ 47 \ 180. \ 40 \ 184. \ 29 \ 188. \ 24 \ 192. \ 25 \ 196 \\ 40 \ 166. \ 47 \ 168. \ 47 \ 176. \ 47 \ 180. \ 40 \ 184. \ 47 \ 188. \ 47 \ 188. \ 48 \ 188. \ 48 \ 188. \ 48 \ 188. \ 48 \ 188. \ 48 \ 188. \ 48 \ 188. \ 48 \ 188. \ 48 \ 188. \ 48 \ 188. \ 48 \ 188. \ 48 \ 188. \ 48 \ 188. \ 48 \ 188. \ 48 \ 188. \ 48 \ 188. \ 48 \ 188. \ 48 \ 188. \ 48 \ 188. \ 48 \ 188 \ 188 \ 188 \ 188 \ 188 \ 188 \ 188 \ 188 \ 188 \ 188 \ 188 \ 18$	9	126,88	130.22	133.61	137.07	140.59	144.17	147.81	151.51	155.28	159.10	39
$\begin{array}{c} 42 \\ 137.81 \\ 141.23 \\ 144.72 \\ 148.27 \\ 151.88 \\ 155.56 \\ 159.29 \\ 163.09 \\ 166.39 \\ 166.31 \\ 155.77 \\ 159.47 \\ 163.24 \\ 163.24 \\ 165.81 \\ 160.30 \\ 160.03 \\ 163.73 \\ 167.50 \\ 171.60 \\ 175.46 \\ 175.22 \\ $	0	130.46	133.83	137.25	140.74	144.29	147.90	151.57	155.31	159.10	162.96	4(
$\begin{array}{c} \textbf{43} \ \ \textbf{41.57} \ \ \textbf{45.08} \ \ \textbf{48.55} \ \ \textbf{152.18} \ \ \textbf{155.77} \ \ \textbf{159.47} \ \ \textbf{163.24} \ \ \textbf{167.07} \ \ \textbf{170} \ \ \textbf{44.145.40} \ \ \textbf{48.89} \ \ \textbf{152.44} \ \ \textbf{156.05} \ \ \textbf{159.72} \ \ \textbf{163.46} \ \ \textbf{167.25} \ \ \textbf{171.11} \ \ \textbf{175.45} \ \ \textbf{165.29} \ \ \textbf{160.08} \ \ \textbf{163.73} \ \ \textbf{167.50} \ \ \textbf{171.60} \ \ \textbf{175.46} \ \ \textbf{175.22} \ \ \textbf{179.38} \ \ \textbf{182.17} \ \ \textbf{177.57} \ \ \textbf{179.66} \ \ \textbf{183.61} \ \ \textbf{187.91} \ \ \textbf{188.61} \ \ \textbf{187.91} \ \ \textbf{189.161} \ \ \textbf{188.24} \ \ \textbf{192.25} \ \ \textbf{199.165.46} \ \ \textbf{169.10} \ \ \textbf{172.81} \ \ \textbf{176.57} \ \ \textbf{180.40} \ \ \textbf{184.29} \ \ \textbf{188.24} \ \ \textbf{192.25} \ \ \textbf{198.25} \ \ \textbf{188.24} \ \ \textbf{192.25} \ \ \textbf{188.24} $	1	134.10	137.50	140.96	144.47	148.06	151.70	155.40	159.17	162.99	166.88	41
$\begin{array}{c} \textbf{43} \ 141.57 \ 145.03 \ 148.55 \ 152.13 \ 155.77 \ 159.47 \ 163.24 \ 167.07 \ 170 \ 44145.40 \ 148.89 \ 152.44 \ 156.05 \ 159.72 \ 163.46 \ 167.25 \ 171.11 \ 175 \ 45 \ 149.29 \ 152.81 \ 156.39 \ 160.03 \ 163.73 \ 167.50 \ 171.33 \ 175.22 \ 179 \ 46 \ 153.24 \ 156.79 \ 160.40 \ 164.07 \ 167.81 \ 171.60 \ 175.46 \ 179.38 \ 183 \ 47 \ 157.25 \ 160.83 \ 164.47 \ 168.18 \ 171.94 \ 175.77 \ 179.66 \ 183.61 \ 187 \ 48 \ 161.33 \ 164.94 \ 168.61 \ 172.35 \ 176.14 \ 180.00 \ 183.92 \ 187.90 \ 191 \ 49 \ 165.46 \ 169.10 \ 172.81 \ 176.57 \ 180.40 \ 184.29 \ 188.24 \ 192.25 \ 198 \ 199.25 \ 198 \ 187.90 \ 191 \ 188.24 \ 192.25 \ 188 \ 187 \ 192.25 \ 188 \ 187 \ 192.25 \ 188 \ 187 \ 192.25 \ 188 \ 187 \ 188.24 \ 192.25 \ 188 \ 188.24 \ 192.25 \ 188 \ 188.24 \ 192.25 \ 188$	2	137.81	141.23	144.72	148.27	151.88	155.56	159.29	163.09	166.94	170.86	45
$\begin{array}{c} 44\ 145.40\ 148.89\ 152.44\ 156.05\ 159.72\ 163.46\ 167.25\ 171.11\ 175\\ 45\ 149.29\ 152.81\ 156.39\ 160.03\ 163.73\ 167.50\ 171.33\ 175.22\ 179\\ 46\ 153.24\ 156.79\ 160.40\ 164.07\ 167.81\ 171.60\ 175.46\ 179.38\ 183\\ 47\ 157.25\ 160.83\ 164.47\ 168.18\ 171.94\ 175.77\ 179.66\ 183.61\ 187\\ 48\ 161.33\ 164.94\ 168.61\ 172.35\ 176.14\ 180.00\ 183.92\ 187.90\ 191\\ 49\ 165.46\ 169.10\ 172.81\ 176.57\ 180.40\ 184.29\ 188.24\ 192.25\ 198.\\ \end{array}$												
$ \begin{array}{c} \textbf{45} \ \ \textbf{49}, \textbf{29} \ \ \textbf{152}, \textbf{81} \ \ \textbf{156}, \textbf{39} \ \ \textbf{160}, \textbf{03} \ \ \textbf{163}, \textbf{73} \ \ \textbf{167}, \textbf{50} \ \ \textbf{171}, \textbf{33} \ \ \textbf{175}, \textbf{22} \ \ \textbf{179} \\ \textbf{46} \ \ \textbf{153}, \textbf{24} \ \ \textbf{156}, \textbf{79} \ \ \textbf{60}, \textbf{164}, \textbf{07} \ \ \textbf{167}, \textbf{81} \ \ \textbf{171}, \textbf{60} \ \ \textbf{179}, \textbf{46} \ \ \textbf{179}, \textbf{38} \ \ \textbf{183} \\ \textbf{47} \ \ \textbf{157}, \textbf{25} \ \ \textbf{160}, \textbf{83} \ \ \textbf{164}, \textbf{47} \ \ \textbf{168}, \textbf{18} \ \ \textbf{171}, \textbf{34} \ \ \textbf{175}, \textbf{77} \ \ \textbf{179}, \textbf{66} \ \ \textbf{183}, \textbf{61} \ \ \textbf{188} \\ \textbf{161}, \textbf{33} \ \ \textbf{164}, \textbf{94} \ \ \textbf{168}, \textbf{61} \ \ \textbf{172}, \textbf{35} \ \ \textbf{176}, \textbf{176}, \textbf{14} \ \ \textbf{180}, \textbf{00} \ \ \textbf{183}, \textbf{92} \ \ \textbf{187}, \textbf{90} \ \ \textbf{91} \\ \textbf{49} \ \ \textbf{165}, \textbf{46} \ \ \textbf{169}, \textbf{10} \ \ \textbf{172}, \textbf{25} \ \ \textbf{198}, \textbf{24} \ \ \textbf{192}, \textbf{25} \ \ \textbf{198} \\ \textbf{39} \ \ \textbf{38}, \textbf{24} \ \ \textbf{192}, \textbf{25} \ \ \textbf{39} \ \ \textbf{39} \ \ \textbf{39}, \textbf{39} \ \ \textbf{39}, \textbf{39}$												
$egin{array}{c} 47 & 157.25 & 160.83 & 164.47 & 168.18 & 171.94 & 175.77 & 179.66 & 183.61 & 187.48 & 161.33 & 164.94 & 168.61 & 172.35 & 176.14 & 180.00 & 183.92 & 187.90 & 191.49 & 165.46 & 169.10 & 172.81 & 176.57 & 180.40 & 184.29 & 188.24 & 192.25 & 196.40 & 184.29 & 188.24 & 192.25 & 196.40 & 184.29 & 188.24 & 184.29 & 188.24 & 184.29 & 188.24 & 184.29 & 188.24 & 184.29 & 188.24 & 184.29 & 188.24 & 184.29 & 188.24 & 184.29 & 188.24 & 184.29 & 188.24 & 184.29 &$												
$egin{array}{c} 47 & 157.25 & 160.83 & 164.47 & 168.18 & 171.94 & 175.77 & 179.66 & 183.61 & 187.48 & 161.33 & 164.94 & 168.61 & 172.35 & 176.14 & 180.00 & 183.92 & 187.90 & 191.49 & 165.46 & 169.10 & 172.81 & 176.57 & 180.40 & 184.29 & 188.24 & 192.25 & 196.40 & 184.29 & 188.24 & 192.25 & 196.40 & 184.29 & 188.24 & 184.29 & 188.24 & 184.29 & 188.24 & 184.29 & 188.24 & 184.29 & 188.24 & 184.29 & 188.24 & 184.29 & 188.24 & 184.29 & 188.24 & 184.29 & 188.24 & 184.29 &$	- 1			the first transfer of				100000000000000000000000000000000000000				
$egin{array}{c} 48 161 . 33 164 . 94 168 . 61 172 . 35 176 . 14 180 . 00 183 . 92 187 . 90 191 49 165 . 46 169 . 10 172 . 81 176 . 57 180 . 40 184 . 29 188 . 24 192 . 25 196 198 . 24 192 . 25 196 198 . 24 192 . 25 196 198 . 24 192 . 25 196 198 . 24 192 . 25 196 198 . 24 192 . 25 196 208 $	7	157.25	160.83	164.47	168.18	171.94	175.77	179.66	188 61	187 69	191 70	4
49 165. 46 169. 10 172. 81 176. 57 180. 40 184. 29 188. 24 192. 25 196	8	161.33	164.94	168.61	172.35	176.14	180.00	183.92	187 90	191 94	196 05	15
50 169. 66 173. 33 177. 07 180. 86 184. 72 188. 64 192. 62 196. 67 200	9	165.46	169.10	172.81	176.57	180.40	184.29	188.24	192 25	196 33	200 46	40
	0	169.66	173.33	177.07	180.86	184.72	188.64	192.62	196,67	200.77	204.94	50
31 32 33 34 35 36 37 38 3	1	21	29	22	24	25	26	27	20	39	40	-

TABLE IV. BASE X. SLOPES 21 to 1.

0 1 2 3	59.48				45	46	47	48	49	50	Peet.
1 2		62.22	65.03	67.90	70.83	73.83	73.83	80.00	83.18	86.42	0
	60.96		66.57	69.48	72.44	75.46	78.55	81.70	84.91	88,18	1
3	62.50		68.18	71.11	74.10	77.16	80.28	83.46	86.70	90.00	2
	64.11	66.94	69.85	72.81	75.83	78.92	82.07	85.28			
4	65.77	68.64	71.57	74.57	77.62	80.74	83.92	0.00		Call Mill Mills and	
5	67.50	70.40	73.36	76.39	79.48	82.62	85.83	89,10	92.44	95.83	1
6	69.29	72.22	75.22	78.27	81.39	84.57	87.81	91.11	94.48	97.90	1
7	71.14	74.10	77.13	80.22	83.36		89.85	122		100.03	
8	73.06	76.05	79.10	82.22	85.40		91.94			102.22	
9	75.03	78.06	81.14	84.29	87.50		94.10			104.48	
10	77.07	80.12	83.24	86.42	89.66	92.96	96.33	99.75	103.24	106.79	10
11	79.17	82.25	85.40	88.61	91.88	95.22	98.61	102.07	105.59	109.17	11
12	81.33	84.44	87.62	90.86	94.17		100.96				
13	83.55	86.70	89.91	93.18		1.12.22.22	103.36			The second second	4.1
14	85.83	89.01	92.25	95.56			105.83				
15	88.18	91.39	94.66	97.99	101,39	104.85	108.36	111.94	115.59	119.29	15
16	90.59	93.83	97.13	100.49	103.92	107.41	110.96	114.57	118.24	121.98	16
17	93.06						113,61				
18			102.25								
19			104.91								
20	100.83	104.20	107.62	111.11	114.66	118.27	121.94	125.68	129.47	133,33	20
			110.40								
			113.24								
			116.14								
			119.10								
25	115.03	118.55	122.13	125.77	129.47	133,24	137.07	140.96	144.91	148.92	28
26	118.06	121.60	125.22	128.89	132.62	136.42	140.28	144.20	148.18	152.22	26
27	121.14	124.72	128.36	132.07	135.83	139.66	143.55	147.50	151.51	155.59	27
			131.57								
			134.85								
30	130.77	134.44	138.18	141.97	145.83	149.75	153.73	157.78	161.88	166.05	3(
31	134.10	137.81	141.57	145.40	149.29	153.24	157.25	161.33	165.46	169.66	31
32	137.50	141.23	145.03	148.89	152.81	156.79	160.83	164.94	169,10	173.33	35
33	140.96	144.72	148.55	152.44	156.39	160.40	164.47	168.61	172.81	177.07	32
34	144.47	148.27	152.18	156.05	160.03	164.07	168.18	172.35	176.57	180.86	3.
35	148.06	151.88	155.77	159.72	163.73	167.81	171.94	176, 14	180.40	184.72	3
36	151.70	155.56	159.47	163.46	167.50	171.60	175.77	180.00	184.29	188.64	36
			163.24								
38	159.17	163.09	167.07	171.11	175:22	179.38	183.61	187.90	192.25	196.67	38
			170.96								
40	166.88	170.86	174.91	179.01	183.18	187.41	191.70	196.05	200.46	204.94	4
11	170.83	174.85	178.92	183.05	187.25	191.57	195.83	200.22	204.66	209.17	4
42	174.85	178.89	182.99	187.16	191.39	195.68	200.03	204.44	208.92	213,46	45
			187.13								
			191.33								
15	187.25	191.39	195.59	199.84	204.17	208.55	212.99	217.50	222,07	226.70	4
16	191.57	195.68	199.91	204.20	208.55	212.96	217.44	221.97	226.57	281.23	4
			204.29								
48	200.22	204.44	208.73	213.09	217.50	221.97	224.51	231.11	285.77	240.49	4
			213.24								
50	209.17	213.46	217.81	222.22	226.70	231.23	233,83	240.49	245, 21	250.00	5(
	41	42	43	44	45	46	47	48	49	50	

Feet.	1	2	3	4	5	6	7	8	9	10	Ž.
0	. 22	. 52	. 89	1.33	1.85	2.44	3.11	3.85	4.67	5.56	(
1	.48	. 82	1.22	1.70	2.26	2.89	3.59	4.37	5.22	6.15	
2	. 82	1.19	1.63	2.15	2.74		4.15	4.96	5.85	6.82	2
3	1.22	1.63	2.11	2.67	3.30		4.78	5.63	6.56		
4 5	1.70	2.15	2.67 3.30	3.26 3.93	3.93 4. 6 3		5.48	6.37 7.19	7.33	8.37 9. 2 6	4
	2.26	2.74	1			ľ	6.26		8.19	ł	1
6	2.89 3.59	3.41 4.15	4.00 4.78	4.67 5.48	5.41 6. 2 6	6.22 7.11	7.11 8.04	8.07 9.04	9.11 10.11	10.22 11.26	
8	4.87	4.96	5.63	6.37	7.19		9.04	10.07	11.19	12.37	
9	5.22	5.85	6.56	7.83	8.19		10.11	11.19	12.33	13.56	
10	6.15	6.82	7.56	8.37	9.26	10.22	11.26	12.37	13.56	14.82	1(
11	7.15	7.85	8.63	9.48	10.41	11.41	12.48	13.63	14.85	16.15	11
12	8.22	8.96	9.78	10.67	11.63	i .	13.78	14.96	16.22	17.56	1
13	9.87	10.15	11.00	11.93	12.93		15.15	16.37	17.67	19.04	
14	10.59	11.41	12.80 13.67	13.26 14.67	14.30 15.74	15.41 16.59	16.59	17.85 19.41	19.19 20.78	20.59 22.22	
15	11.89	12.74	l		1	l	18.11		1	ı	
16 17	13.26 14.70	14.15 15. 6 3	15.11 16. 6 3	16.15 17.70	17.26 18.85	18.11 19.70	19.70 21.37	21.04 22.74	22.44 24.19	23.93 25.70	
18	16.22	17.19	18.22	19.33	20.52	21.37	23.11	24.52	26.00	27.56	
19	17.82	18.82	19.89	21.04	22.26		24.93	26.37	27.89	29.48	•
20	19.48	20.52	21.63	22.82	24.07	2 4.93	26.82	28.30	29.85	31.48	
21	21.22	22.80	23.44	24.67	25.96	26.82	28.78	30.30	31.89	33.56	21
22	23.04	24.15	25.83	26.59	27.93	28.78	30.82	32.37	34.00	35.70	
28	24.93	26.07	27.30	28.59	29.96	31.41	32.93	34.52	36.19	37.93	
24 25	26.89	28.07		30.67	32 .07	33.56	3 5.11	36.74 39.04	38.44	40.22	
	28.93	3 0.15	31.44	32.82	34.26	85.78	37.37		40.78	42.59	
26 27	31.04 33.22	32.30 34.52	8 3.63 8 5.89	35.04 37.33	36.52 38.85	38.07 40.44	39.70 42.11	41.61 43.85	43.19 45.67	45.04 47.56	
28	35.48	86.82	38.22	39.70	41.26	42.89	44.59	46.37	48.22	50.15	
29	87.82	89.19	40.63	42.15	43.74	45.41	47.15	48.96	50.85	52.81	
80	40.22	41.63	43.11	44.67	46.93	48.00	49.78	51.6 3	53.56	55.56	30
31	44.15	45.67	47.26	48.93	50.67	52.48	54.37	54.37	56.83	58.37	31
32	45.26	46.74	48.30	51.63	53.41	55.26	57.19	57.19	59.19	61.26	
88	47.89	49.41	57.00	52.67	54.41	56.22	58.11	60.07	62.11	64.22	
34 85	50.59 53.37	52.15 54.96	53.78 56. 6 3	55.48 58.37	57.26 60.19	59.11 62.07	61.04 64.04	63.04 66.07	65.11 68.19	67.26 70.37	
						1	1				
86 87	56.22 59.15	57.85 60.81	59.56 62.56	61.83 64.87	63.19 66.26	65.11 68.22	67.11 70.26	69.19 72.37	71.33 74.56	73.56 76.81	
38	62.15	63.85	65.68	67.48	69.41	71.41	73.48	75. 6 3	77.85	80.15	
39	65.22	66.96	68.78	70.67	72.6 3	74.67	76.78	78.96	81.22	83.56	39
40	68.37	70.15	72.00	73.93	75.93	78.00	80.15	82.37	84.67	87.04	
41	71.59	73.41	75.80	77.26	79.80	81.41	83.59	85.85	88.19	90.59	
42	74.89	76.74	78.67	80.67	82.74	84.89	87.11	89.41	91.78	94.22	
48	78.26	80.15 83.63	82.11 85.63	84.15	86.26 89.85	88.44 92.07	90.70 94.37	93.04 96.74	95.44 99 19	97.93 101.70	
44 45	81.70 85.22	87.18	89.22	87.70 91.83	93.52	95.78				105.56	
46	88.81	90.81	92.89	95.04	97.26	1	101.93	1		1	
40 47	92.48	94.52	96.63				101.93				
48	96.22						109.78				
							113.81				
50	103.93	106.07	108.30	110.59	112.96	115.41	117.93	120.52	1 23. 18	125.93	50
	1	2	3	4	5	6	7	8	9	10	

TABLE V.-BASE X.-SLOPES 3 to 1.

Feet.	11	12	13	14	15	16	17	18	19	20	Feet.
0	6.52	7.56	8.67	9.85	11.11	12.44	13.85	15.33	16.89	18.52	1
1	7.15	8.22	9.37	10.59	11.89	13.26	14.70	16.22	17.82	19.48	
2	7.85	8.96	10.15	11.41	12.74	14.15		17.19	18.82	20.52	
3	8.63	9.78	11.00	12.93	13.67	15.11	16.63	18.22	19.89	21.63	
4	9.48	10.67	11.93	13.26	California Control	16.15		19.33	21.04	22.82	
5	10.41	11.63	12.93	14.30	15.74	17.26	18.85	20.58	22.26	24.07	1
6	11.41	12.67	14.00	15.41	16.89	18.44	20.07	21.78	23.56	25.41	1
7	12.48	13.78	15.15	16.59	18.11	19.70	21.37	23.11	24.93	26.82	
8	13.63	14.96	16.37	17.85	19,41	21.04		24.52	26.37	28.30	
9	14.85	16.22	17.67	19.19	20.78	22.44		26.00		29,85	
10	16.15	17.56	19.04	20.59	22.22	23.93	25.70	27.56	29,48	31.48	10
11	17.52	18.96	20.48	22.07	23.74	25.48	27.30	29.19	31.15	33.19	1
12	18.96	20.44	22.00	23.63	25.33	27.11	28.96	30.89	32.89	34.96	
13	20.48	22.00	23.59	25.26		28.82	30.70	32,67	34.70	36.82	
14	22.07	23.63	25.26	26.96	28.74	30.59	32.52	34.52	36.59	38.74	
15	23.74	25.33	27.00	28.74	30.56	32.44	34.41	36.44	38,56	40.74	1
16	25.48	27.11	28.82	80.59	32.44	34.37	36.37	38.44	40.59	42.82	
17	27.30	28.96	30.70	32.52	34.41	36.37	38.41	40.52	42.70	44.96	17
18	29.19	30.89	32.67	34.52	36.44	38.44	40.52	42.67	44.89	47.19	
19	31.15	32.89	34.70	36.59	38.56	40.59	42.70	44.89	47.15	49.48	
20	33.19	34.96	36.82	38.74	40.74	42.82	44.96	47,19	49.48	51,85	20
21	35.30	37.11	39.00	40.96	43.00	45,11	47.30	49.56	51.89	54.30	21
22	37.48	39.33	41.26	43.26	45.33	47.48	49.70	52,00	54.37	56.81	22
23	39.74	41.63	43.59	45.63	47.74	49.93	52.19	54.52	56.93	59.41	23
24	42.07	44.00	46.00	48.07	50.22	52.44	54.74	57,11	59.56	62.07	24
25	44.48	46.44	48.48	50.59	52.78	55.04	57.37	59.78	62.26	64,81	2
26	46.96	48.96	51.04	53.19	55.41	57.70	60.07	62.52	65.04	67.63	20
27	49.52	51.56	53.67	55.85	58.11	60.44	62.85	65.33	67.89	70.52	27
28	52.15	54.22	56.37	58.59	60.89	63.26	65.70	68.22	70.81	73.48	28
29	54.85	56.96	59.15	61.41	63.74	66.15	68.63	71.19	73.81	76.52	
30	57.63	59.78	62.00	64.30	66.67	69.11	71.63	74.22	76.89	79,63	30
31	60.48	62.67	64.93	67.26	69.67	72.15	74.70	77.33	80.04	82.81	3
32	63.41	65.63	67.93	70.30	72.74	75.26	77.85	80.52	83.26	86.07	3
33	66.41	68.67	71.00	73.41	75.89	78,44	81.07	83.78	86.56	89.41	
34	69.48	71.78	74.15	76.59	79.11	81.70	84.37	87.11	89.93	92.81	
35	72,63	74.96	77.37	79.85	82.41	85.04	87.74	90.52	93.37	96.30	3
36	75.85	78.22	80.67	83.19	85.78	88.44	91.19	94.00	96.89	99.85	36
37	79.15	81.56	84.04	86.59	89.22	91.93	94.70	97.56	100.48	103.48	37
38	82.52	84.96	87.48	90.07	92.74	95.48	98.30	101.19	104.15	107.18	3
39	85.96	88.44	91.00	93.63	96.33		101.96				
40	89.48	92.00	94.59	97,26	100.00	102.81	105.70	108.67	111.70	114.81	4
41	93.07	95.63		100.96	103.74	106.59	109.52	112.52	115.59	118.74	4
42	96.74	99.33	102,00	104.74	107.56	110.44	113.41	116.44	119.56	122.74	4
43	100.48	103.11	105.81	108.59	111.44	114.37	117.37	120.44	123.59	126.81	4
							121.41				
						The second second	125.52	30 Call 100			
46	112.15	114.89	117.70	120.59	123.56	126.59	129.70	132.89	136.15	139.48	4
47	116.18	118.96	121.81	124.74	127.74	130.81	133.96	137.18	140.48	143.85	4
48	120.30	123.11	126.00	128.96	132.00	135.11	138.30	141.56	144.89	148.30	4
49	124.48	127.33	130.26	133.26	136.33	139,48	142.70	146.00	149.37	152.81	4
50	128.74	131.63	134.59	137.63	140.74	143.93	147.18	150.52	153.93	157.41	5
	11	12	13	1							-

Feet.	21	22	23	24	25	26	27	28	29	30	Feet.
0	20.22	22.00	23.85	25.78	27.78	29.85	32.00	34.22	36.52	38,89	-
1	21.22	23.04	24,93	26.89	28.93	31.04	33.22	35.48	37.82	40.22	-1
2	22.30	24.15	26.07	28.07	30.15	32.23	34.52	36.82	39.19	41.63	2
3	23.44	25.33	27.30	29.33	31.44	33.63	35.89	38.22	40.63	43.11	8
4	24.67	26.59	28.59	80.67	32.82	35.04	37.33	39.70	42.15	44.67	4
5	25.96	27.93	29.96	32.07	34.26	36.52	38.85	41.26	43.74	46.30	5
6	27.33	29.33	31.41	33.56	35.78	38.07	40.44	42.89	45.41	48.00	6
7	28.78	30.82	32.93	35.11	37.37	89.70	42.11	44.59	47.15	49.78	0
8	30.30	32.37	34.52	36.74	39.04	41.41	43.85	46.37	48.96	51.63	
9	31.89	34.00	36.19	38.44	40.78	43.19	45.67	48.22	50.85	53.56	
10	33.56	35.70	37.98	40.22	42.59	45.04	47.56	50.15	52.81	55.56	
	100 C TO	12.00	1,010,121		The ball to be	the same of the	V Committee of the comm	100000			100
11	35.30	37.48	39.74	42.07	44.48	46.96	49.52	52.15	54.85	57.63	
12	37.11	39.33	41.63	44.00	46.44	48.96	51.56	54.22	56.96	59.78	
13	39.00	41.26	43.59	46.00	48.88	51.04	53.67	56.37	59.15	62.00	
14	40.96	43.26	45.63	48.07	50.59	53.19	55,85	58.59	61.41	64.30	
15	43.00	45.33	47.74	50.22	52.78	55.41	58.11	60.89	63.74	66.67	15
16	45.11	47.48	49.93	52.44	55.04	57.70	60.44	63.26	66.15	69.11	16
17	47.30	49.70	52.19	54.74	57.37	60.07	62.85	65.70	68.63	71.63	
18	49.56	52.00	54.52	57.11	59.78	62.52	65.33	68.22	71.19	74.22	18
19	51.89	54.37	56.93	59.56	62.26	65.04	67.89	70.81	73.81	76.89	
20	54.30	56.81	59.41	62.07	64.81	67.63	70.52	73.48	76.52	79.63	
21	56.78	59.33	61.96	64.67	67.44	70.30	73.22	76.22	79.30		1
22	59.33	61.93	64.59	67.33	70.15	73.04	76.00	79.04	82.15	82.44	
23	61.96	64.59		70.07	72.93	75.85	78.85	81.93	85,07	85.33	
			67.30	72.89	75.78	78.74	81.78	84.89	88.07	88.30	
24	64.47	67.33	70.07				84.78	87.93		91.33	
25	67.44	70.15	72.93	75.78	78.70	81.70		He had been	91.15	94.44	100
26	70.30	73.04	75.85	78.74	81.70	84.74	87.86	91.04	94.30	97.63	
27	73.22	76.00	78.85	81.78	84.78		91.00	94.22		100.89	
28	76.22	79.04	81.93	84.89	87.93		94.22		100.81		
29	79.30	82.15	85.07	88.07	91.15	94.30			104.19		
30	82.44	85.33	88.30	91.33	94.44	97.63	100.89	104.22	107.63	111,11	30
31	85.67	88.59	91.59	94.67	97.81	101.04	104.33	107.70	111.15	114.67	31
32	88.96	91.93	94.96	98.07	101.26	104.52	107.85	111.26	114.74	118.30	32
33	92.33	95.33	98,41	101.56	104.78	108.07	111.44	114.89	118.41	122.00	38
34	95.78	98.81	101.93	105.11	108.37	111.70	115.11	118.59	122.15	125.78	34
35	99.30	102.37	105.52	108.74	112.04	115.41	118.85	122.37	125.96	129.63	35
26	102.89	106 00	100 18	119 44	115 77	110 18	199 67	196 99	199 85	122 56	20
	106.56										
	110.30										
	114.11										
	118.00										
						10.00	11/200		A CONTRACTOR OF THE PARTY OF TH		100
	121.96										
	126.00										
	130.11										
	134.30										
45	138.56	142.00	145.52	149.11	152.78	156.52	163.53	164,22	168.18	172.22	45
46	142.89	146.37	149.93	153.56	157.26	161.04	164.89	168.81	172.81	176.89	46
	147.30										
	151.78										
	156.33										
	160.96										
		40.00.00			17.50	100		A STATE OF THE PARTY.		A Comment	

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TABLE V.-BASE X.-SLOPES 3 to 1.

Feet	31	32	33	34	35	36	37	38	39	40	Poot.
0	41.33	43.85	46.44	49.11	51.85	54.67	57.56	60.52	63.56	66.67	1
1	42.70	45.26	47.89	50.59	58.37	56.22	59.15	62.15	65.22	68.37	1
2	44.15	46.74	49.41	52.15	54.96	57.85	60.81	63.85	66.96	70.15	2
8	45.67	48.30		53.78	56.63	59.56		65.63	68.78	72.00	
4	47.26	49.93	52.67	55.48	58.37	61.33	64.37	67.48	70.67	78.93	1 4
5	48.93	51.63	54.41	57.26	60.19	63.19	66.26	69.41	72.63	75.93	1
6	50.67	53.41	56.22	59.11	62.07	65.11	68.22	71.41	74.67	78.00	
7	52,48	55.26	58.11	61.04	64.04	67.11	70.26	78.48	76.78	80.15	
8	54.37	57.19	60.07	63.04	66.07	69.19	72.37	75.63	78.96		1
9	56.33	59.19	62.11	65.11	68.19	71.33	74.56	77.85	81.22	84.67	1
10	58.37	61.26	64.22	67.26	70.37	73.56	76.81	80.15	83.56	87.04	10
11	60.48	63.41	66.41	69.48	72.63	75.85	79.15	82.52	85.96	89.48	11
12	62.67	65.63	68.67	71.78	74.96	78.22		84.96			1
13	64.93	67.93	71.00	74.15	77.37	80.67	84.04	87.48		40.0	100
14	67.26	70.30	73.41	76.59	79.85	83.19		90.07	93.63		
15	69.67	72.74	75.89	79.11	82.41	85.78		92.74		100.00	1
16	72.15	75.26	78.44	81.70	1.355514	88.44	11 25 41 14 16	95.48	Here's Artis	102.81	
17	74.70	77.85	81.07	84.37	87.74	91.19				105.70	
18	77.33	80.52	83.78	87.11	90.52	94.00				108.67	
19	80.04	83.26	86.56	89.98	Y 27 72 72		100.48				
20	82.81	86.07	89.41	92.81	96.30		103.48				
21	85,67	88.96	Jan 1977	(0) 4 4 (1)	100		0.000	100 4 100	10000000	12.00	1
22	88.59	91.93	92.33	0.000			106.56				
23			95.33				109.70				
24	91.59 94.67	94.96	101 50	101.98	100.02	119.18	112.93	116.74	120.63	124. 09	2
25		101 96	101.00	100.11	110 04	112.44	116.22	120.07	124.00	120.00	25
7 T		former and the first	m stem County			And and the said	119.59	the second second	-0-0	100000	
							123.04				
27	104.33	107.85	111.44	115.11	118.85	122.67	126.56	130.52	134.56	138.67	27
							130, 15				
							133.81				
30	114.67	118.30	122.00	125.78	129,63	133,56	137.56	141.63	145.78	150.00	30
31	118.26	121.93	125.67	129.48	133.37	137.33	141.37	145.48	149.67	153.93	31
32	121.93	125.63	129.41	133.26	137.18	141.18	145,26	149.41	153.63	157.93	35
33	125.67	129.41	133.22	137.11	141.07	145,11	149.22	153.41	157.67	162.00	33
34	129.48	133.26	137.11	141.04	145.04	149.11	153.26	157.48	161.78	166.15	34
35	133.87	137.18	141.07	145.04	149,07	153.18	157.37	161.63	165.96	170.37	3:
							161.56				
37	141.37	145.26	149.22	153.26	157.87	161.56	165,81	170.15	174.55	179.04	37
38	145.48	149.41	153.41	157.48	161.63	165.85	170.15	174.52	178.96	183.48	38
39	149.67	153.63	157.67	161.78	165.96	170.22	174.55	178.96	183.44	188.00	35
40	153.93	157.93	162.00	166.15	170.37	174.67	179.04	183.48	188.00	192.59	46
							183,59				
42	162.67	166.74	170.89	175.11	179 41	183 78	188.22	199 74	197 22	202 00	4
43	167.15	171.26	175 44	179 70	184 04	188 44	192.93	197 49	209 11	206 81	4
44	171.70	175.85	180.07	184.87	188.74	193 18	197.70	202 30	206 96	211 70	4
45	176.33	180.52	184.78	189.11	193.52	198.00	202.55	207 18	211 89	216 67	4
47	101.04	100.26	104.00	100 01	198.37	202.89	207.48	212.15	216.89	221.70	4
49	190.61	194 00	100 99	200.81	203.30	207.85	212.48	217, 18	221.96	226.81	4
40	195 50	100 00	204 22	200.78	208.30	212.89	217.55	222.30	227.11	232.00	4
50	200 59	204 96	204.33	913 02	210.57	210.00	222.70 227.92	227.48	232, 33	249 50	4
_	250,00	201.00	200.41	210.00	210.02	220,18	227.92	202.74	207.63	242.09	9
1	31	32	33	34	35	36	37	38	39	40	1

TABLE V.—BASE X.—SLOPES 3 to 1.

1 72 77 88 8 8 8 8 8 8 8 8 8 8 8 9 9 9 11 9 9 11 12 9 9 11 12 12 12 12 12 12 12 12 12 12 12 12	98.26 90.96 93.74 96.59 99.52 12.52 15.59 18.74 21.96 22.26 28.63 82.07 85.59 89.18 42.85	76.74 78.67 80.67 82.74 84.89 87.11 89.41 91.78 94.22 96.74 99.33 102.00 104.74 110.44 113.41 116.44 119.56 122.74 126.00 129.33 132.74 136.22 139.78	80. 15 82. 11 84. 15 86. 26 88. 44 90. 70 93. 04 95. 44 97. 93 100. 48 103. 11 105. 59 111. 44 114. 37 123. 59 126. 81 130. 11 133. 48 136. 93 140. 44 144. 04 144. 04	81.70 83.63 85.63 87.70 89.85 92.07 94.37 96.74 99.19 101.70 104.30 106.96 109.70 112.52 115.41 118.37 121.41 124.52 127.70 130.96 134.30 137.70 141.18	85. 22 87. 18 89. 22 91. 33 93. 52 95. 78 98. 11 100. 52 103. 00 105. 56 108. 18 113. 67 116. 52 119. 44 122. 44 125. 52 121. 89 135. 18 135. 18 135. 18 135. 18 145. 52 149. 11 152. 78	92.89 95.04 97.26 99.56 101.93 104.37 106.89 112.15 114.89 117.70 120.59 123.56 126.59 129.70 132.89 136.15 139.48 142.89 146.37 149.93 153.56	96. 63 98. 81 101. 07 103. 41 105. 81 108. 80 110. 85 113. 48 116. 18 1124. 74 127. 74 130. 81 133. 96 137. 18 140. 48 143. 85 147. 30 150. 81 154. 41 155. 81	96. 22 98. 30 100. 44 102. 67 104. 96 107. 33 109. 78 112. 30 114. 89 117. 56 120. 30 123. 11 128. 96 132. 00 135. 11 138. 30 141. 59 144. 89 148. 30 151. 78 155. 33 155. 33 155. 36 162. 67	100.04 102.15 104.33 106.59 108.93 111.83 113.81 116.37 119.00 121.70 124.48 127.33 180.26 136.33 142.70 146.00 149.37 152.81 156.33 159.93 163.59 163.59 163.59 163.59 163.59		22 34 44 55 66 77 88 91 10 11 12 13 14 14 15 12 20 21 22 23 24
2 7 8 7 6 8 8 7 8 8 8 9 9 8 9 9 8 9 11 9 9 12 9 9 12 12 12 12 12 12 12 12 12 12 12 12 12	73. 41 75. 30 775. 30 779. 30 81. 41 83. 59 85. 85 85. 85 898. 26 900. 96 900. 96 900. 59 12. 52 12. 52 15. 59 18. 74 225. 26 28. 63 32. 07 35. 59 35. 59	76.74 78.67 80.67 82.74 84.89 87.11 89.41 91.78 94.22 96.74 99.33 102.00 104.74 110.44 113.41 116.44 119.56 122.74 126.00 129.33 132.74 136.22 139.78	80. 15 82. 11 84. 15 86. 26 88. 44 90. 70 93. 04 95. 44 97. 93 100. 48 103. 11 105. 59 111. 44 114. 37 123. 59 126. 81 130. 11 133. 48 136. 93 140. 44 144. 04 144. 04	83.63 85.63 87.70 89.85 92.07 94.37 96.74 99.19 101.70 104.30 106.96 109.70 112.52 115.41 118.37 121.41 124.52 127.70 130.96 134.30 137.70 141.18 144.74 148.37	87. 18 89. 22 91. 33 93. 52 95. 78 98. 11 100. 52 103. 00 105. 56 110. 8. 18 110. 89 113. 67 116. 52 119. 44 122. 44 122. 42 125. 52 128. 67 131. 89 135. 18 138. 56 142. 00 145. 52 149. 11 152. 78	90. 81 92. 89 95. 04 97. 26 101. 93 104. 37 106. 89 112. 15 114. 89 117. 70 120. 59 126. 59 129. 70 132. 89 136. 15 139. 48 142. 89 146. 37 149. 93 149. 93 153. 56	94.52 96.63 98.81 101.07 103.41 105.81 108.80 110.85 113.48 116.18 114.74 127.74 130.81 137.18 140.48 143.85 147.30 150.81 154.41 155.41	98.30 100.44 102.67 104.96 107.33 109.78 112.30 114.89 117.56 120.30 123.11 126.00 128.96 132.00 135.11 138.30 141.56 144.89 148.30 151.78 155.33 155.33 155.36 155.36 162.67	102.15 104.33 106.59 108.93 111.83 1113.81 116.37 119.00 121.70 124.48 127.33 130.26 136.33 139.48 142.70 144.00 149.37 152.81 156.33 159.93 163.59 167.33	106.07 108.30 110.59 112.96 115.41 117.93 120.52 123.18 125.93 128.74 131.63 134.59 137.63 140.74 143.93 147.18 150.52 153.93 157.41 160.96 164.59 168.30 172.07	10 11 11 12 12 12 12 12 12 12 12 12 12 12
3 7 7 5 6 8 8 8 8 9 8 8 9 8 8 9 8 8 9 8 8 9 8 8 9 8 8 9 8 8 9 8 8 9 8 9 8 9 8 9 8 9 8 9 8 9 8 9	75.30 77.26 78.10 78.10 88.5 85.85 88.19 90.59 90.59 90.59 90.59 90.59 91.5 92.5 92.5 92.5 92.5 93.0 93.0 94.5 95.5 95.5 95.5 95.5 95.5 95.5 95.5	78. 67 80. 67 82. 74 84. 89 87. 11 89. 41 91. 78 96. 74 99. 33 102. 00 104. 74 110. 44 113. 41 116. 44 119. 56 122. 74 126. 90 129. 33 132. 74 136. 22 139. 78 143. 41 147. 11	82.11 84.15 86.26 88.44 90.70 93.04 95.44 97.93 100.48 103.11 105.81 105.81 112.59 111.44 114.37 117.37 120.44 123.59 126.81 130.11 133.48 136.93 140.44 144.04	85.63 87.70 89.85 92.07 94.37 96.74 99.19 101.70 104.30 106.96 109.70 112.52 115.41 118.37 121.41 124.52 127.70 130.96 134.30 137.70 141.18 144.74 148.37	89. 22 91. 33 93. 52 95. 78 98. 11 100. 52 103. 00 105. 56 108. 18 110. 89 113. 67 116. 52 119. 44 125. 52 128. 67 131. 89 135. 18 138. 56 142. 00 145. 52 149. 11 152. 78	92.89 95.04 97.26 99.56 101.93 104.37 106.89 112.15 114.89 117.70 120.59 123.56 126.59 129.70 132.89 136.15 139.48 142.89 146.37 149.93 153.56	96. 63 98. 81 101. 07 103. 41 105. 81 108. 80 110. 85 113. 48 116. 18 1124. 74 127. 74 130. 81 133. 96 137. 18 140. 48 143. 85 147. 30 150. 81 154. 41 155. 81	100.44 102.67 104.96 107.33 112.30 114.89 117.56 120.30 123.11 126.00 128.96 132.00 135.11 138.30 141.56 144.89 148.30 151.78 155.33 151.78 155.96 162.67	104. 33 106. 59 108. 93 111. 33 111. 31 116. 37 119. 00 121. 70 124. 48 127. 33 130. 26 136. 33 139. 48 142. 70 146. 00 149. 37 152. 81 156. 33 159. 93 163. 59 167. 33	108.30 110.59 112.96 115.41 117.93 120.52 123.18 125.93 128.74 131.63 134.59 137.63 140.74 143.93 147.18 150.52 153.93 157.41 160.96 164.59 164.59 164.59 172.07	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
4 7 7 8 8 8 9 8 8 9 8 9 8 9 11 9 9 9 11 12 9 9 11 12 12 12 12 12 12 12 12 12 12 12 12	77. 26 79. 30 88.3. 59 88.5. 85 88. 19 90. 59 99. 26 90. 96 90. 96 90. 96 11. 59 11. 59 11. 59 12. 52 13. 59 14. 74 22. 56 23. 67 35. 59 85. 59 86. 59 87. 59 88. 69 88. 69 89. 60 89. 60 80. 60 80	80.67 82.74 84.89 87.11 91.78 94.22 96.74 99.33 102.00 104.74 107.56 110.44 111.3.41 116.44 119.56 122.74 126.00 129.33 132.74 136.22 139.78 143.41 143.41	84. 15 86. 26 88. 44 90. 70 93. 04 95. 44 97. 93 100. 48 103. 11 105. 81 105. 81 110. 44 114. 37 117. 37 120. 44 123. 59 126. 81 130. 11 133. 48 136. 93 140. 44 144. 04 147. 70	87.70 89.85 92.07 94.37 96.74 99.19 101.70 106.96 109.70 112.52 115.41 118.37 121.41 124.52 127.70 130.96 134.30 137.70 141.18 144.74 148.37	91.33 93.52 95.78 98.11 100.52 103.00 105.56 108.18 110.89 113.67 116.52 119.44 122.44 125.52 128.67 131.89 135.18 138.56 142.00 145.52 149.11 152.78	95.04 97.26 99.56 101.93 104.37 106.89 109.48 112.15 114.89 117.70 120.59 123.56 126.59 129.70 132.89 136.15 139.48 142.89 146.37 149.93 153.56	98. 81 101.07 103. 41 105. 81 108. 80 110. 85 113. 48 116. 18 121. 81 124. 74 127. 74 130. 81 137. 18 140. 48 143. 85 147. 30 150. 81 154. 41 155. 61	102.67 104.96 107.33 109.78 112.30 114.89 117.56 120.30 123.11 126.00 128.96 132.00 135.11 138.30 141.56 144.89 148.30 151.78 155.33 155.33 155.36 162.67	106.59 108.93 111.33 113.81 116.37 119.00 121.70 124.48 127.33 130.26 136.33 149.48 142.70 146.00 149.37 152.81 156.33 159.93 163.59 9167.39	110.59 112.96 115.41 117.93 120.52 123.18 125.93 128.74 131.63 134.59 137.63 140.74 143.93 147.18 150.52 153.93 157.41 160.96 164.59 168.30 172.07	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
4 7 7 8 8 8 9 8 8 9 8 9 8 9 11 9 9 9 11 12 9 9 11 12 12 12 12 12 12 12 12 12 12 12 12	77. 26 79. 30 88.3. 59 88.5. 85 88. 19 90. 59 99. 26 90. 96 90. 96 90. 96 11. 59 11. 59 11. 59 12. 52 13. 59 14. 74 22. 56 23. 67 35. 59 85. 59 86. 59 87. 59 88. 69 88. 69 89. 60 89. 60 80. 60 80	80.67 82.74 84.89 87.11 91.78 94.22 96.74 99.33 102.00 104.74 107.56 110.44 111.3.41 116.44 119.56 122.74 126.00 129.33 132.74 136.22 139.78 143.41 143.41	84. 15 86. 26 88. 44 90. 70 93. 04 95. 44 97. 93 100. 48 103. 11 105. 81 105. 81 110. 44 114. 37 117. 37 120. 44 123. 59 126. 81 130. 11 133. 48 136. 93 140. 44 144. 04 147. 70	87.70 89.85 92.07 94.37 96.74 99.19 101.70 106.96 109.70 112.52 115.41 118.37 121.41 124.52 127.70 130.96 134.30 137.70 141.18 144.74 148.37	91.33 93.52 95.78 98.11 100.52 103.00 105.56 108.18 110.89 113.67 116.52 119.44 122.44 125.52 128.67 131.89 135.18 138.56 142.00 145.52 149.11 152.78	97.26 99.56 101.93 104.37 106.89 109.48 112.15 114.89 117.70 120.59 129.70 129.70 132.89 136.15 139.48 142.89 146.37 149.93 153.56	98.81 101.07 103.41 105.81 108.80 110.85 113.48 116.18 1121.81 124.74 127.74 130.81 133.96 137.18 140.48 143.85 147.30 150.81 154.41 155.41	102.67 104.96 107.33 109.78 112.30 114.89 117.56 120.30 123.11 126.00 128.96 132.00 135.11 138.30 141.56 144.89 148.30 151.78 155.33 155.33 155.36 162.67	106.59 108.93 111.33 113.81 116.37 119.00 121.70 124.48 127.33 130.26 136.33 149.48 142.70 146.00 149.37 152.81 156.33 159.93 163.59 9167.39	110.59 112.96 115.41 117.93 120.52 123.18 125.93 128.74 131.63 134.59 137.63 140.74 143.93 147.18 150.52 153.93 157.41 160.96 164.59 168.30 172.07	10 11 12 12 13 14 14 15 16 16 17 18 18 18 18 18 18 18 18 18 18 18 18 18
5 7 8 8 8 8 8 8 9 9 11 9 9 11 1 9 11 12 9 9 11 1 12 1 12 1 12 1 12 1 12 1 12 1 12 1 12 1 12 1 12 1 12 1	79.30 81.41 83.59 888.19 99.59 99.07 95.63 98.06 003.74 006.59 12.52 15.59 12.52 28.63 32.67 335.59	82.74 84.89 87.11 89.41 91.78 94.22 96.74 99.33 102.00 104.74 110.44 113.41 116.44 119.56 122.74 126.00 129.33 132.74 136.22 139.78 143.41 143.41	86.26 88.44 90.70 93.04 97.93 100.48 103.11 105.81 108.59 111.44 114.37 120.44 123.59 126.81 130.11 133.48 136.93 140.44 144.04	89.85 92.07 94.37 96.74 99.19 101.70 104.30 112.52 115.41 118.37 121.41 124.52 127.70 130.96 134.30 137.70 141.18 144.74 148.37	93.52 95.78 98.11 100.52 103.00 105.56 108.18 110.69 113.67 114.52 119.44 122.44 125.52 128.67 131.89 135.18 138.56 142.00 145.52 149.11 152.78	97.26 99.56 101.93 104.37 106.89 109.48 112.15 114.89 117.70 120.59 129.70 129.70 132.89 136.15 139.48 142.89 146.37 149.93 153.56	101.07 103.41 105.81 1108.80 111.85 113.48 116.18 1121.81 124.74 127.74 133.96 140.48 140.48 143.85 147.30 150.81 154.41 155.07	104.96 107.33 109.78 112.30 114.89 117.56 120.30 123.11 126.00 135.11 138.30 141.56 144.89 148.30 151.78 155.33 155.33 155.36 162.67	108. 93 111. 33 113. 81 116. 37 119.00 121. 70 124. 48 127. 33 180. 26 136. 33 139. 48 142. 70 146. 00 149. 37 152. 81 156. 33 159. 93 163. 59 163. 59 163. 59 167. 33	112.96 115.41 117.93 120.52 123.18 125.93 128.74 131.63 134.59 140.74 143.93 147.18 150.52 153.93 157.41 160.96 164.59 168.30 172.07	10 11 11 11 11 11 11 11 11 11 11 11 11 1
6 8 8 8 8 9 8 9 8 9 8 9 8 9 8 9 8 9 8 9	83.59 85.85 88.19 90.59 93.07 95.63 98.26 00.96 03.74 06.59 09.52 12.52 12.52 12.52 13.74 21.96 22.63 33.55 98.26 34.85	87.11 89.41 91.78 94.22 96.74 99.33 102.00 104.74 107.56 110.44 113.41 116.44 119.56 122.74 126.00 129.33 132.74 136.22 139.78 143.41 147.11	90.70 93.04 95.44 97.93 100.48 103.11 105.81 111.44 114.37 117.37 120.44 123.59 126.81 130.11 133.48 136.93 140.44 144.04	94. 37 96. 74 99. 19 101. 70 104. 30 106. 96 109. 70 112. 52 115. 41 118. 37 121. 41 124. 52 127. 70 130. 96 134. 30 137. 70 141. 18 144. 74 148. 37	98.11 100.52 103.00 105.56 108.18 110.89 113.67 116.52 119.44 122.44 125.52 128.67 131.89 135.18 138.56 142.00 145.52 149.11 152.78	99.56 101.93 104.37 106.89 109.48 112.15 114.89 117.70 120.59 126.59 126.59 136.15 139.48 142.89 146.37 149.93 149.93 159.56	103. 41 105. 81 108. 80 110. 85 113. 48 116. 18 118. 96 121. 81 124. 74 130. 81 133. 96 137. 18 140. 48 143. 85 147. 30 150. 81 154. 41 155. 07	107.33 109.78 112.30 114.89 117.56 123.11 126.00 128.96 132.00 135.11 138.30 141.56 144.89 148.30 151.78 155.33 155.33 155.33 155.46 155.36	111. 33 113. 81 116. 37 119. 00 121. 70 124. 48 127. 33 130. 26 136. 33 139. 48 142. 70 146. 00 149. 37 152. 81 156. 33 159. 93 163. 59 163. 59 167. 33	115.41 117.93 120.52 123.18 125.93 128.74 131.63 134.59 137.63 140.74 143.93 147.18 150.52 153.93 157.41 160.96 164.59 164.59 164.50 172.07	10 11 12 13 14 14 16 17 18 19 20 21 22 24
7 8 8 8 8 8 8 8 8 9 10 9 9 11 9 9 12 9 9 14 10 17 17 18 17 18 17 18 17 18 17 18 17 18 17 18 17 18 17 18 17 18 17 18 17 18 17 18 18 18 18 18 18 18 18 18 18 18 18 18	83.59 85.85 88.19 90.59 93.07 95.63 98.26 00.96 03.74 06.59 09.52 12.52 12.52 12.52 13.74 21.96 22.63 33.55 98.26 34.85	87.11 89.41 91.78 94.22 96.74 99.33 102.00 104.74 107.56 110.44 113.41 116.44 119.56 122.74 126.00 129.33 132.74 136.22 139.78 143.41 147.11	90.70 93.04 95.44 97.93 100.48 103.11 105.81 111.44 114.37 117.37 120.44 123.59 126.81 130.11 133.48 136.93 140.44 144.04	94. 37 96. 74 99. 19 101. 70 104. 30 106. 96 109. 70 112. 52 115. 41 118. 37 121. 41 124. 52 127. 70 130. 96 134. 30 137. 70 141. 18 144. 74 148. 37	98.11 100.52 103.00 105.56 108.18 110.89 113.67 116.52 119.44 122.44 125.52 128.67 131.89 135.18 138.56 142.00 145.52 149.11 152.78	101.93 104.37 106.89 109.48 112.15 114.89 117.70 120.59 123.56 126.59 129.70 132.89 136.15 139.48 142.89 146.37 149.93 153.56	105.81 108.80 110.85 113.48 116.18 118.96 121.81 124.74 127.74 130.81 133.96 137.18 140.48 143.85 147.30 150.81 154.41 155.07	109.78 112.30 114.89 117.56 120.30 123.11 126.00 128.96 132.00 135.11 138.30 141.56 144.89 148.30 151.78 155.33 155.33 155.46 162.67	113.81 116.37 119.00 121.70 124.48 127.33 130.26 136.33 139.48 142.70 146.00 149.37 152.81 156.33 159.93 163.59 163.59 167.33	117.93 120.52 123.18 125.93 128.74 131.63 134.59 137.63 140.74 143.93 147.18 150.52 153.93 157.41 160.96 164.59 168.30 172.07	10 11 12 13 14 14 16 17 18 19 20 21 22 24
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12 9 9 14 10 15 10 16 16 17 10 16 16 17 10 16 17 10 16 17 10 16 17 10 17	95.63 98.26 90.96 93.74 96.59 99.52 12.52 15.59 18.74 21.96 22.63 23.63 32.07 35.59 39.18 42.85	99.33 102.00 104.74 107.56 110.44 113.41 116.44 119.56 122.74 126.00 129.33 132.74 136.22 139.78 143.41 147.11	103.11 105.81 108.59 111.44 114.37 117.37 120.44 123.59 126.81 130.11 133.48 136.93 140.44 144.04	106.96 109.70 112.52 115.41 118.37 121.41 124.52 127.70 130.96 134.30 137.70 141.18 144.74 148.37	110.89 113.67 116.52 119.44 125.52 128.67 131.89 135.18 138.56 142.00 145.52 149.11 152.78	114.89 117.70 120.59 123.56 126.59 129.70 132.89 136.15 139.48 142.89 146.37 149.93 153.56	118.96 121.81 124.74 127.74 130.81 133.96 137.18 140.48 143.85 147.30 150.81 154.41 158.07	123.11 126.00 128.96 132.00 135.11 138.30 141.56 144.89 148.30 151.78 155.33 158.96 162.67	127.33 130.26 133.26 136.33 139.48 142.70 146.00 149.37 152.81 156.33 159.93 163.59	131.63 134.59 137.63 140.74 143.93 147.18 150.52 153.93 157.41 160.96 164.59 168.30 172.07	15 18 14 18 16 17 18 19 20 21 22 24
13 9 4 10 10 10 10 10 10 10	98.26 90.96 93.74 96.59 99.52 12.52 15.59 18.74 21.96 22.26 28.63 82.07 85.59 89.18 42.85	102.00 104.74 107.56 110.44 113.41 116.44 119.56 122.74 126.00 129.33 132.74 136.22 139.78 143.41	105.81 108.59 111.44 114.37 117.37 120.44 123.59 126.81 130.11 133.48 136.93 140.44 144.04	109.70 112.52 115.41 118.37 121.41 124.52 127.70 130.96 134.30 137.70 141.18 144.74 148.37	113.67 116.52 119.44 122.44 125.52 128.67 131.89 135.18 138.56 142.00 145.52 149.11 152.78	117.70 120.59 123.56 126.59 129.70 132.89 136.15 139.48 142.89 146.37 149.93 153.56	121.81 124.74 127.74 130.81 133.96 137.18 140.48 143.85 147.30 150.81 154.41 158.07	126.00 128.96 132.00 135.11 138.30 141.56 144.89 148.30 151.78 155.33 158.96 162.67	180, 26 183, 26 136, 33 189, 48 142, 70 146, 00 149, 37 152, 81 156, 33 159, 93 163, 59 167, 33	134.59 137.63 140.74 143.93 147.18 150.52 153.93 157.41 160.96 164.59 168.30 172.07	18 14 18 18 19 20 21 22 24
14 100 15 100 16 100 17 100 18 11 19 11 120 11 121 122 122 122 123 122 14 13 15 15 16 13 17 14 17 15 18 14 17 15 18 18 15 18 15 18 15 18 15 18 15 18 15 18 15 18 15 18 15 18	00.96 03.74 06.59 09.52 12.52 15.59 18.74 21.96 25.26 28.63 82.07 35.59 89.18	104.74 107.56 110.44 113.41 116.44 119.56 122.74 126.00 129.33 132.74 136.22 139.78 143.41	108.59 111.44 114.37 117.37 120.44 123.59 126.81 130.11 133.48 136.93 140.44 144.04	112.52 115.41 118.37 121.41 124.52 127.70 130.96 134.30 137.70 141.18 144.74 148.37	116.52 119.44 122.44 125.52 128.67 131.89 135.18 138.56 142.00 145.52 149.11 152.78	120.59 123.56 126.59 129.70 132.89 136.15 139.48 142.89 146.37 149.93 153.56	124.74 127.74 130.81 133.96 137.18 140.48 143.85 147.30 150.81 154.41 158.07	128.96 132.00 135.11 138.30 141.56 144.89 148.30 151.78 155.33 158.96 162.67	133.26 136.33 139.48 142.70 146.00 149.37 152.81 156.33 159.93 163.59 167.33	137.63 140.74 143.93 147.18 150.52 153.93 157.41 160.96 164.59 168.30 172.07	14 18 16 17 18 19 20 21 22 24
15 10 16 10 17 10 18 11 19 11 12 12 12 12 22 12 24 13 25 13 26 13 27 14 28 14 29 15 33 16 33 16 34 17 35 17 36 17 37 18 38 18 39 19	03.74 06.59 09.52 12.52 15.59 18.74 21.96 25.26 28.63 32.07 35.59 39.18 42.85	107.56 110.44 113.41 116.44 119.56 122.74 126.00 129.33 132.74 136.22 139.78 143.41	111. 44 114. 37 117. 37 120. 44 123. 59 126. 81 130. 11 133. 48 136. 93 140. 44 144. 04	115.41 118.37 121.41 124.52 127.70 130.96 134.30 137.70 141.18 144.74 148.37	119.44 122.44 125.52 128.67 131.89 135.18 138.56 142.00 145.52 149.11 152.78	123.56 126.59 129.70 132.89 136.15 139.48 142.89 146.37 149.93 153.56	127.74 130.81 133.96 137.18 140.48 143.85 147.30 150.81 154.41 158.07	132.00 135.11 138.30 141.56 144.89 148.30 151.78 155.33 158.96 162.67	136.83 139.48 142.70 146.00 149.37 152.81 156.83 159.93 163.59 167.83	140.74 143.93 147.18 150.52 153.93 157.41 160.96 164.59 168.30 172.07	15 16 17 18 19 20 21 22 28 24
16 10 17 10 18 11 19 11 19 11 12 1 12 22 12 23 12 24 13 25 13 26 13 27 14 28 14 29 15 33 16 33 16 34 17 35 17 36 17 37 18 38 18 39 19	06.59 09.52 12.52 15.59 18.74 21.96 25.26 28.63 82.07 35.59 89.18 42.85	110.44 113.41 116.44 119.56 122.74 126.00 129.33 132.74 136.22 139.78 143.41 147.11	114.37 117.37 120.44 123.59 126.81 130.11 133.48 136.93 140.44 144.04	118.37 121.41 124.52 127.70 130.96 134.30 137.70 141.18 144.74 148.37	122.44 125.52 128.67 131.89 135.18 138.56 142.00 145.52 149.11 152.78	126.59 129.70 132.89 136.15 139.48 142.89 146.37 149.93 153.56	130, 81 133, 96 137, 18 140, 48 143, 85 147, 30 150, 81 154, 41 158, 07	185.11 188.30 141.56 144.89 148.30 151.78 155.33 158.96 162.67	189.48 142.70 146.00 149.37 152.81 156.83 159.93 163.59 167.83	143.93 147.18 150.52 153.93 157.41 160.96 164.59 168.30 172.07	16 17 18 19 20 21 22 28 24
17 100 18 111 19 111 10 11 122 122 122 123 122 124 13 26 13 27 14 28 15 26 13 15 15 16 17 17 18 1	09.52 12.52 15.59 18.74 21.96 25.26 28.63 82.07 85.59 89.18 42.85	113.41 116.44 119.56 122.74 126.00 129.33 132.74 136.22 139.78 143.41 147.11	117.87 120.44 123.59 126.81 130.11 133.48 136.93 140.44 144.04	121.41 124.52 127.70 130.96 134.30 137.70 141.18 144.74 148.37	125.52 128.67 131.89 135.18 138.56 142.00 145.52 149.11 152.78	129.70 132.89 136.15 139.48 142.89 146.37 149.93 153.56	133.96 137.18 140.48 143.85 147.30 150.81 154.41 158.07	138.30 141.56 144.89 148.30 151.78 155.33 158.96 162.67	142.70 146.00 149.37 152.81 156.33 159.93 163.59 167.33	147.18 150.52 153.93 157.41 160.96 164.59 168.30 172.07	15 18 20 21 25 28 24
18 11 19 11 20 11 21 12 22 12 22 12 23 12 24 18 25 13 26 13 27 14 28 14 28 14 31 15 31 15 33 16 34 17 35 17 36 17 37 18 38 18 39 19	12.52 15.59 18.74 21.96 25.26 28.63 82.07 85.59 89.18 42.85	116.44 119.56 122.74 126.00 129.33 132.74 186.22 139.78 143.41 147.11	120.44 123.59 126.81 130.11 133.48 136.93 140.44 144.04	124.52 127.70 130.96 134.30 137.70 141.18 144.74 148.37	128.67 131.89 135.18 138.56 142.00 145.52 149.11 152.78	132.89 136.15 139.48 142.89 146.37 149.93 153.56	137, 18 140, 48 143, 85 147, 30 150, 81 154, 41 158, 07	141.56 144.89 148.30 151.78 155.33 158.96 162.67	146.00 149.37 152.81 156.33 159.93 163.59 167.33	150.52 153.93 157.41 160.96 164.59 168.30 172.07	18 20 21 25 28 24
19 11 20 11 21 12 22 12 23 12 24 18 25 13 26 13 27 14 28 14 28 14 28 14 31 15 33 16 34 17 35 17 36 17 37 18 38 18 39 19	15.59 18.74 21.96 25.26 28.63 32.07 35.59 39.18 42.85	119.56 122.74 126.00 129.33 132.74 136.22 139.78 143.41 147.11	123.59 126.81 130.11 133.48 136.93 140.44 144.04	127.70 130.96 134.30 137.70 141.18 144.74 148.37	131.89 135.18 138.56 142.00 145.52 149.11 152.78	136, 15 139, 48 142, 89 146, 87 149, 93 153, 56	140.48 143.85 147.80 150.81 154.41 158.07	144.89 148.30 151.78 155.33 158.96 162.67	149.37 152.81 156.33 159.93 163.59 167.33	153.93 157.41 160.96 164.59 168.30 172.07	21 21 22 23 24
19 11 20 11 21 12 22 12 23 12 24 18 25 13 26 13 27 14 28 14 28 14 28 14 31 15 33 16 34 17 35 17 36 17 37 18 38 18 39 19	15.59 18.74 21.96 25.26 28.63 32.07 35.59 39.18 42.85	119.56 122.74 126.00 129.33 132.74 136.22 139.78 143.41 147.11	123.59 126.81 130.11 133.48 136.93 140.44 144.04	127.70 130.96 134.30 137.70 141.18 144.74 148.37	131.89 135.18 138.56 142.00 145.52 149.11 152.78	136, 15 139, 48 142, 89 146, 87 149, 93 153, 56	140.48 143.85 147.80 150.81 154.41 158.07	144.89 148.30 151.78 155.33 158.96 162.67	149.37 152.81 156.33 159.93 163.59 167.33	153.93 157.41 160.96 164.59 168.30 172.07	21 21 22 23 24
20 11 21 12 22 12 22 12 24 13 25 13 26 13 26 13 27 14 28 14 28 15 33 16 33 16 34 17 36 17 38 18 38 18 39 19	18.74 21.96 25.26 28.63 32.07 35.59 39.18 42.85	122.74 126.00 129.33 132.74 136.22 139.78 143.41 147.11	126.81 130.11 133.48 136.93 140.44 144.04 147.70	130.96 134.30 137.70 141.18 144.74 148.37	135.18 138.56 142.00 145.52 149.11 152.78	139,48 142,89 146,37 149,93 153,56	143.85 147.80 150.81 154.41 158.07	148.30 151.78 155.33 158.96 162.67	152.81 156.33 159.93 163.59 167.33	157.41 160.96 164.59 168.30 172.07	20 21 25 28 24
21 12 22 12 22 12 23 12 24 13 25 13 26 13 26 13 27 14 28 14 29 15 30 15 31 15 33 16 34 17 18 18 36 17 18 18 37 18 38 18 39 19	21.96 25.26 28.63 32.07 35.59 39.18 42.85	126.00 129.33 132.74 136.22 139.78 143.41 147.11	130.11 133.48 136.93 140.44 144.04 147.70	134,30 137,70 141,18 144,74 148,37	138,56 142,00 145,52 149,11 152,78	142.89 146.87 149.93 153.56	147.30 150.81 154.41 158.07	151,78 155,33 158,96 162,67	156.33 159.93 163.59 167.33	160.96 164.59 168.30 172.07	21 25 28 24
22 122 122 122 122 122 122 122 122 122	25.26 28.63 32.07 35.59 39.18 42.85	129.33 132.74 136.22 139.78 143.41 147.11	133.48 136.93 140.44 144.04 147.70	137.70 141.18 144.74 148.37	142.00 145.52 149.11 152.78	146.37 149.93 153.56	150.81 154.41 158.07	155.33 158.96 162.67	159.93 163.59 167.33	164.59 168.30 172.07	25 28 24
23 122 24 13 25 13 26 13 27 14 28 14 29 15 31 15 33 16 34 17 35 17 18 36 17 37 18 38 18	28.63 82.07 85.59 89.18 42.85	132,74 136,22 139,78 143,41 147,11	136.93 140.44 144.04 147.70	141.18 144.74 148.37	145.52 149.11 152.78	$149.93 \\ 153.56$	154.41 158.07	158.96 162.67	163.59 167.33	168.30 172.07	28
24 18 25 13 26 18 27 14 28 14 29 15 30 15 31 15 32 16 34 17 35 17 18 36 17 37 18 38 18	82.07 85.59 89.18 42.85	136.22 139.78 143.41 147.11	140.44 144.04 147.70	144.74 148.37	149.11 152.78	153.56	158.07	162.67	167.33	172.07	24
25 13 26 13 27 14 28 14 29 15 30 15 31 15 32 16 33 16 34 17 35 17 37 18 38 18 39 19	35.59 39.18 42.85	139.78 143.41 147.11	144.04 147.70	148.37	152.78						
26 13 27 14 28 14 29 15 30 15 31 15 32 16 33 16 34 17 35 17 36 17 37 18 38 18 39 19	39.18 42.85	143.41 147.11	147.70	Contract of	Control of the control	101.20				110.00	-
27 14 28 14 29 15 30 15 31 15 32 16 33 16 34 17 35 17 36 17 37 18 38 18 39 19	42.85	147.11		152.07	156 59		BOTH TYPE	V=0.000	to the second of	3 15 30 1 1 1 1 1	١.,
28 14 29 15 30 15 31 15 32 16 33 16 34 17 35 17 36 17 37 18 38 18 39 19	42.85 46.59	147.11									
29 15 30 15 31 15 32 16 33 16 34 17 35 17 36 17 37 18 38 18 39 19	46.59		101,44	155.85	160.88	164.89	169.52	174.22	179.00	183,85	2
30 15 31 15 32 16 33 16 34 17 35 17 36 17 37 18 38 18 39 19		100.00	155.26	159.70	164.22	168.81	175.48	178.22	183.04	187.93	28
31 15 32 16 33 16 34 17 35 17 36 17 37 18 38 18 39 19										192.07	
32 16 33 16 34 17 35 17 36 17 37 18 38 18 39 19			2000	C 3 C 3 O 7			C 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	A. A		196.30	1
33 16 34 17 35 17 36 17 37 18 38 18 39 19										200.59	
34 17 35 17 36 17 37 18 38 18 39 19	62.30	166.74	171.26	175.85	180.52	185.26	190.07	194.96	199.93	204.96	3:
35 17 36 17 37 18 38 18 39 19	66.41	170.89	175.44	180.07	184.78	189.55	194.41	199.33	204.33	209.41	31
36 17 37 18 38 18 39 19	70.59	175.11	179.70	184.37	189.11	193,93	198.81	203.78	208.81	213.93	3
37 18 38 18 39 19	74.85	179.41	184.04	188.74	193.52	198.37	203.30	208.30	213.37	218.52	34
37 18 38 18 39 19	79.18	183.78	188.44	193.18	198.00	202.89	207.85	212.89	218.00	223.18	36
38 18 39 19										227.93	
39 19										232.74	
										237.63	
10119										242.59	
										200	
										247.63	
										252.74	
10 21	11.59	210.44	221.07	001 41	000 50	241 70	946 00	959 90	957 70	257.92	A.
15 00	16.02	221.41	220.01	996 59	941 87	946 90	959 10	957 55	969 00	263.18	4
	10,000					1000	and the second second			268.52	
										273.92	
17 23		236.74	241.81	246.96	252.18	257.48	262.85	268.30	273.81	279.41	4
18 23	31.74	0.00	247.11	252.30	257.55	262.89	268.30	273.78	279.33	284.96	48
19 24	36.96	242.00	252 48	257.70	263.00	268.37	273.81	279.33	284.92	290.59	4
	36.96	242.00 247.33	**** TO							296.29	
1	$\frac{36.96}{42.26}$	247.33		200.10							

TABLE VI.—BASE X.—SLOPES 31 to 1.

Peet.	1	2	3	4	5	.6	7	8	9	10	Feet.
0	. 29	.54	.94	1.43	2.01	2,67	3.41	4.25	5.17	6.17	-
1	.50	.86	1,30	1,83	2.45	3.15	3.94	4.82	5.78	6.83	1
2	.86	1.26	1.75	2.32	2.98	3.73	4.36	5.48	6.49	7.58	2
3	1.30	1.75		2.90	3.60	4.39	5.27	6.23	7.28	8.41	8
4	1.83	2.32	2.90	3.56	4.30	5.14	6.06	7.06	8.15	9.33	4
5	2.45	2.98		4.30	5.09	5.97	6.93	7.98	9.12	10.34	ě
6	3.15	3.73	4.39	5.14	5.97	6.89	7.90	8.99	10.17	11.43	6
7	3.94	4.36	5.27	6.06	6.93	7.90	8.94	10.08	11.30	12.61	7
8	4.82	5.48	6.23	7.06	7.98	8.99	10.08	11.26	12.53	13.88	
9	5.78	6.49	7.28	8.15	9.12	10.17	11.30	12.53	13.83	15.23	
10	6.83	7.58	8.41	9.33	10.34	11.43	12.61	13.88	15.23		1 7
11	7.97	8.76	9.64	10.60	11.65	12.78	14.01	15.32	16.71	18.19	11
12	9.19	10.03	10.94	11.95	13.04	14.22	15.49	16.84		19.80	
13	10.50	11.38	12.34	13.39	14,53	15.75	17.06	18.45	19.93	21.50	
14	11.90	12.82	13.82	14.91	16.09	17.36	18.71	20.15	21.67	23.28	
15	13.38	14.34	15.39	16.53	17.75	19.06	20:45	21.93		25.15	
16	14.94	15.95	17.04	18.22	19.49	20.84	22.28	23.80	25.41	27.11	16
17	16.60	17.65	18.78	20.01	21.32		24.19	25.76	27.41	29.15	
18	18.34	19.43		21.88	23.23	24.67	26.19	27.80	29.50		
19	20.17	21.30	22.53	23.83	25.23	26.71	28.28	29.93	31.67	33.50	
20	22.08			25.88	27.32	28.84		32.15	33.93	35.80	
21	24.08	12000	Service streets	28.01	29.49	31.06	10-14	34.45	36.28	38.19	
22	26.17	27.43		30.22	31.75	33.36		36.84	38.71	40.67	
23	28.34	29.65		32.52	34.09				41.23		
$\frac{23}{24}$	30.60	31,95	83.39	34.91	36.52		40.01	41.88	43.84	45.88	
25	82.94			37.39	39.04			44.52	46.52	48.61	
26	35.38	14 14 5	38.34	39.95	41.65		1	Carta Col	10300000		1
27	37.90	39.38		42.60	44.34	46.07	48.08		52.17	54.34	
28	40.50	42.02	43.64	45.33	47.12	48.89	50.94	52.99	55.12	57.33	
29	43.19	44.76		48.15	49.98		53.90	55.98		60.41	
30	45.97	47.58		51.06	52.93		56.93	59.06		63.58	
31	48.83	50.49	52.23	54.06	55.97	57.87	60.06	62.23	64.49	66.83	100
32	51.78			57.14	59.09	A COLUMN TO THE REAL PROPERTY.	63.27	65.48	67.78	70.17	EG
33	54.82	56.56		60.30	62.30		66.56	68.82	71.17	73.60	
34	57.94	59.73	Tax made and and and	63.54	65.60			72.25	74.64	77.11	
35	61.15	62.98	64.90	66.90	68.98	100000000000000000000000000000000000000	73.41	75.76	78.19	80.71	
36	64.45	66.32	68.28	70.32	72.45	74.57	76.97	79.36	81.83	84.39	10
37	67.83	69.75	71.75	73.83	76.01	78.17	80.61	83.04			
38	71.30	73.26	75.30	77.43	79.65	81.85	84.34	86.81	89.38		
39	74.86	76.86	78.94	81.12	83.38		88.15	90.67	93.28		
40	78.50	80.54		84.89	87.19	89.48		94.62		100.00	
11	82.23	84.31	86.49	88.75	91.09	93.42	96.04	98.65	1000000	104.12	
42	86.04	88.17	90.39	92.69	95.08		100.12				
43	89.94	92.12	94.38	96.72			104.28				
44	93.93	96.15	The second second				108.52				
15							112.86				
16	1.3440.01	F-15-034					117.28	A Transport	10 A D A A C	PC 1 2 2 2 1	1.
17							121.78				
							126.38				
							131.06				
							135.82				
-		-		_		-		-		-	-
	1	2	3	4	5	6	7	8	9	10	1

Feet	11	12	13	14	15	16	17	18	19	20	Feet.
0	7.27	8.44	9.71	11.06	12.50	14.03	15.64	17.33	19.12	20.99	(
1	7.97	9.19	10.50	-11.90	13.38	14.94	16.60	18.34	20.17	22.08	1
2	8.76	10.03	11.38	12.82	14.34	15.95	17.65	19.43	21.30	23.26	
3	9.64	10.94	12.34	13.82	15.39	17.04	18.78	20.61	22.53	24.58	1
4	10.60	11.95	13.39	14.91	16.53	18.22	20.01	21.88	23.83	25.88	
5	11.65	13.04	14.53	16.09	17.75	19.49	21.32	23,23	25.23	27,32	1
6	12.78	14.22	15.75		19.06	20.84	22.71	24.67	26.71	28,84	(
7	14.01	15.49	17.06		20.45	22.28	24, 19	26, 19	28.28	30,45	1
8	15.32	16.84	18.45	20.15	21.93	23.80	25.76	27.80	29.93	32, 15	1
9	16.71	18,28	19,93		23.50	25.41	27.41	29.50	31.67	33.93	
10	18,19	19.80	21.50	23.28	25.15	27.11	29.15	31.28	33,50	35.80	10
11	19.76	21.41	23.15	24.98	26.90	28.90	30.98	33.15	35.41	37.76	11
12	21.41	23,11	24.90	26.77	28.72	30.77	32.90	35.11	37.41	39.80	
13	23, 15	24.90	26.72	28.64	30,64	32.72	34.90	37.15	39.50	41.93	
14	24.98	26.77	28.64	30.59	32.64	34.77	36.98		41.67	44.15	
15	26.90	28.72	30.64	32.64	34.72	86.90	39.15	41.50	43,93	46.45	
16	28.90	30.77	32.72	34.77	36.90	39.11	41.41	43.80	46.28	48.84	16
17	30.98	32.90	34.90	36.98	39.15	41.41	43.76	46.19	48.71	51.31	
18	33.15	35.11	37.15	39.29	41.50		46.19	48.67	51,23	53.88	
19	35.41	37.41	39.50	41.67	43.93	46.28		51.29	53.83	56.52	
20	37.76	39.80	41.93		46.45	48.84		53.88	56.52	59.26	
21	40.19	42.28	44.45	46.71	49.06	51.49	54.01	56.61	59.30	62.08	21
22	42.71	44.84	47.06		51.75	54.22	56.78	59.43	62.17	64, 99	
23	45.32	47.49	49.75	52.09	54.52	57.04	59.65	62.34	65.12	67.98	
24	48.01	50.22	52.52	54.91	57.39	59.95	62.60	65.33	68.15	71.06	
25	50.78	53.04	55.39	57.82	60.34			68.41	71.28	74.23	
26	53.65	55.95	58.84	60.81	63.38	66.02	68.76	71.58	74.49	77.48	1
27	56.60	58.94	61.38	63.90	66.50	69.19	71.97	74.83	77.78	80.82	
28	59.64	62.02	64.50	67.06	69.71	72.44	75.27	78.17	81.17	84.25	
29	62.76	65.19	67.71	70.31	73.01	75.78	78.65	81.60	84.64	87.76	
30	65.97	68.44	71.01	73.65	76.89	79.21	82.12	85.11	88.19	91.36	
31	69.27	71.78	74.39	77.08	79.86	82.72	85.67	88.71	91.83	95.04	
32	72.65	75.21	77.86	80.59	83.41	86.32	89.31	92.39	95.56	the set Carry	
33	76.12	78.72	81.41	84.19	87.06	90.01	93.04			102.67	120
34	79.67	82.32	85.06	87.88	90.78	93,78		100.02			
35	83.31	86.01	88.78	91.65	94.60	1000		103.97			
36	87.04	89.78	92.60	10000	FLC 300	101.58		M. 1. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2. 2.	100000000000000000000000000000000000000	200	
37	90.86	93.64	96.50			105.61					
38						109.78					
39						113.93					
	102.82										
-	106.98	to an extended to	Contract to the second	Land of the second		the second second	And the second second	1 - Walland W.	1 1 mm and a	W. W. W.	1
	111.23										
	115.56										
	119.98										
V.J	124.49	S 24 AP A	P. W. S. L. P. C. J.	S. C. Contract	R. P. S. S. S. S.	00000	(w) The contract of		A . W	A HAROLINE	lb.
	129.08										
	133.76										
	138.52										
49	143.38	146.67	150.06	153, 52	157.08	160.72	164.45	168.26	172.17	176.15	49
00	148.31	151.65	155.08	158.59	162.19	165.88	169.65	173.51	177.15	181.48	50
-	-		-	-	~		-	-			-

TABLE VI.—BASE X.—SLOPES 31 to 1.

Pect.	21	22	23	24	25	26	27	28	29	30	Feet.
0	22.94	24.99	27.12	29.33	31.64	34.02	36.50	39.06	41.71	44.44	0
1	24.08	26.17	28.34	30.60	32.94	35.88	37.90	40.50	43.19	45.97	1
2	25.30	27.43	29,65	31.95	34.34	36.82	39.38	42.02	44.76	47.58	2
3	26.61	28.78	31.04	33.39	35.82	38.34	40.94	43.64	46.41	49.28	3
4	28.01	30.22	32.52	34.91	87.89	89.95	42.96	45.33	48, 15	51.06	4
5	29.49	31.75	84.09	36.52	39.04	41.65	44.34	47.12	49.98	52.93	5
6	31.06	83.86	85.65	38.12	40.68	43.83	46.07	48.89	51.80	54.79	1
7	82.71	35.06	87.49	40.01	42.61	45.80	48.08	50.94	53.90	56.93	17
8	34.45	36.84	39.32	41.88	44.52	47.26	50.08	52.99	55.98	59.06	8
9	36.28	38.71	41.23	43.83	46.52	49.30	52.17	55.12	58.15	61.28	1
10	38.19	40.67	43,23	45.88	48,61	51,43	54.34	57.33		63.58	10
11	40.19	42.71	45.32	48.01	50.78	53.65	56.60	59.64	62.76	65.97	11
12	42.28		47.49	50.22	53.04	22000	58.94	62.02	65.19	68.44	
13	44,45	47.06	49.75	52.52	55.39	The second second	61.38			71.01	
14	46.71	49.36	52.09	54.91	57.82		63.90	67.06		73.65	
15	49.06		54.52	57.39				69.71	73.01	76.39	
16	51.49	54.22	57.04	59.95	Lotter mits H	13.0	69.19	72.44	75.78	And the second	
17	54.01	56.78	59.65	62.60				75.27	78.65	82.12	
18	56.61	59.43	62.34	65.83					81.60		
19	59.30	62.17	65.12	68.15			77.78		84.64		
20	62.08		67.98	71,06					87.76		
21	64.94	1000000	DEC 2000	70 - 30.4	A X TANK	100 000	1202.0	100 100 100	100000		1
22	67.90	67.90	70.93	74.06				87.41	90.97		
23	70.93	70.89	73.97	77.14							
24	74.06	73.97 77.14	77.09	80.30						101.38	
25	77.27	80.39	80.30 83.60	83.56 86.90				100.94	101.12		
	1000	100000000000000000000000000000000000000	14300000	Charles Andrew	-	200	1. Table 1.	7.3 2 2 2 2	arty to an C. C.	14.44.40	10
26	80.56	83.73	86.98	90.32			100.86				
27	83.94	87.15	90.45				104.50				
28	87.41	90.67	94.01				108.23				
29 30	90.97	94.27					112.04				
	94.61	Contract of	FOR 100			10.72	115.94		0.47.0 303	17 17 10	1
31							119.93				
32	102,15	105.58	109.09	112,69	116.38	120.15	124.01	127.95	131.98	136.10	32
							128.17				
							132,41				
							186, 75				
36	118, 28	121.88	125.56	129.33	133.19	137.14	141.17	145.28	149.49	153,78	36
37	122.52	126.17	129.89	133.71	137.61	141.60	145.67	149.83	154.08	158.41	37
							150.26				
							154.94				
40	135.78	139.56	143.41	147.36	151.39	155.51	159.71	164.00	168.38	172.84	40
41	140.38	144.19	148.09	152.08	156.15	160.31	164.56	168.89	173.31	177.82	4
42	145.01	148.91	152.86	156.89	161.01	165.21	169.50	173.88	178.34	182.89	45
							174.52				
44	154.67	158.62	162.65	166, 76	170,97	175.26	179.64	184.10	188,65	193.28	44
45	159.61	163.60	167.67	171,83	176.08	180.41	184.83	189.34	193.98	198.61	4
46	164.64	168.67	172.78	176.99	181.28	185.65	190.12	194.67	199.30	204 09	41
47	169.75	173.82	177.98	182.23	186.56	190.98	195.49	200.08	204.76	209.52	43
48	174.94	179.06	183, 26	187.55	191.93	196.89	200.94	205.58	210.30	215.11	45
49	180, 23	184.39	188.64	192.97	197.39	201.89	206.49	211.17	215.98	220.78	45
							212,12				
	21	1 2 2				1	1	P - 7 11	1 2		

TABLE VI._BASE X._SLOPES 31 to 1.

Peet	31	32	33	34	35	36	37	38	39	40	Peet.
0	47.27	50.17	53.17	56.25	59.41	62.67	66.01	69.43	72.94	76.54	1
1	48.83	51.78	54.82	57.94	61.15	64.45	67.83	71.30	74.86	78.50	1
2	50.49	53,48	56.56	59.78	62.98		69.75	73.26	76.86	80.54	1
3	52.23	55.27	58.39	61.60	64.90	68.28	71.75	75.30	78.94	82.67	1
4 5	54.06	57.14	60.30	63.56	66.90		73.83	77.43	81.12	84.89	1
- 1	55.97	59.09	62.30	65.60	68.98	1 3 3 mm to 1	76.01	79.65	83.38	87.19	
6	57.87	61.04	64.29	67.63	71.05	74.57	78.17	81.85	85.62	89.48	
7	60.06	63.27	66.56		73.41	76.97	80.61	84.34	88.15	92.06	
8	62.23 64.49	65.48	68.82 71.17	72.25 74.64	75.76 78.19		83.04 85.56		90.67	94.62 97.27	
10	66.83	70.17	73.60	77.11	80.71		88.17	89.38 92.02		100.00	
371			05/27/50	1000000	Control of the	1500000	100000	100	THE STORE	1000 000	10
11	69.27 71.78	72.65	76.12	79.67	83.31	87.04	90.86			102.82	
12 13	74.39	75.21	78.72 81.41	82.32 85.06	86.01 88.78					105.73 108.72	
14	77.08	80.59	84.19	87.88	91.65		1000			111.80	
15	79.86	83.41	87.06	90.78	94.60					114.97	
16	82.72	86.32	0.257.6	100	A COLOR DE LOS	1973	a street from		1000	118.22	100
17	85.67	89.31	93.04		1.040-1.00					121.56	
18	88.71	92.39								124.99	
19	91.83	95.56								128.50	
20	95.04	98.81								132.10	
21	98.34	102.15	106.06	110.04	114.12	118.28	122.52	126 86	131.28	135.78	2
		105.58									
		109.09									
24	108.75	112.69	116.72	120.84	125.04	129.33	133,71	138.17	142.72	147.36	2
25	112.39	116.38	120.45	124.61	128.86	132.19	137.61	142.12	146.71	151.39	2.
26	116.12	120.15	124.27	128.47	132.76	137.14	141.60	146, 15	150.78	155.51	2
		124.01									
28	123.83	127.95	132.15	136,44	140.82	145.28	149.83	154, 47	159.19	164.00	2
		131.98									
30	131.89	136.10	140.39	144.77	149.28	153.78	158.41	163.14	167.94	172.84	3
31	136.06	140.30	144.64	149.06	153,56	158.15	162.83	167.60	172.45	177.39	3
		144.59									
		148.97									
		153.43									
35	153.56	157.98	162.49	167.08	171.76	176.52	181.38	186.31	191.34	196.45	3
36	158.15	162.62	167.17	171.80	176.52	181.33	186,23	191,21	196.28	201,43	3
		167.34									
		172.15									
		177.04									
-	11840700	182.02	1	CALL TO CO.	A. T. S. C.	S	V. 35.	Various Plant	0000000	S	1 -
		187.09									
		192.25									
		197.49									
		202,81 208,23									
V-1	200	Late of the A		Francisco (1997)		000000000000000000000000000000000000000		1000000	Edition Co.	Children And	15
		213.73									
		219.31									
		224.99 230.75									
		236.59									
	31	32	33	34	35	36	37	38	39	40	-

TABLE VI.-BASE X.-SLOPES 31 to 1.

Pee	41	42	43	44	45	46	47	48	49	50	Pane
0	80.23	84.00	87.86	91.80	95.88	99.95	104.15	108.44	112.82	117.28	
1	82.23	86.04	89.94	93.93			106.41				L
2	84.31	88.17	92.12				108.76				
3	86.49	90.39	94.38	98.45	102.61	106.86	111.19	115.61	120.12	124.71	١.
4	88.75	92.69	96.72	100.84	105.04	109.33	113.71	118.17	122.72	127.36	1
5	91.09	95.08	99.15	103.31	107.56	111.89	116.31	120.82	125.41	130.09	
6	93,42	97.46	101.57	105.78	110.07	114.44	118.91	123.46	128.09	132.81	ı
7							121.78				L
8	98.65	102.77	106.97	111.26	115.64	120.10	124.65	129.28	134.01	138.81	ŀ
9	101.34	105.50	109.75	114.08	118.50	123.01	127.60	132.98	137.04	141.89	r
0	104,12	108.32	112.61	116.99	121.45	126.00	130.64	135.36	140.17	145.06	1
11	106 98	111.23	115.56	119.98	124.49	129.08	133.76	138.59	148 88	148.31	1
							136.97				
							140.27				
							143.65				
							147.12				
B	199 60	197 06	121 61	126 95	140 97	145 78	150.67	155 65	160 79	165 88	1
							154.31				
							158.04				
							161.86				
							165.76				
554		100	100000	1500 M	1000	100 miles	200	Can order A	10.00	200	L
							169.75				
							173.82 177.98				
							182.23				
							186.56				
			1000000		0.400.000	35.77	BANG MALE		0.35	Control of the	Ŀ
							190.98				
							195.49				
							200.08 204.76				
							209.52				
- 1			L. L. J. J. A. A.		Page 1				C 30	1-1-1	
							214.38				
							219.31				
							224.34				
							229.45				
24			of the same of the			100 C 1 C 100	234.65			55 17 15 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	L
							239.93				
							245.30				
							250.76				
							256.30				
24					- AZ		261.93		1 1 1 1 1 1 1 1	SOUTH IN	Ю
							267.65				
							273.45				
							279.34				
							285.31				
9	255.78	261.50	267.30	273.19	279.17	285.23	291.38	297.61	503.93	310.34	4
							297.52				
							303.75				
							310.08				
							316.49				
00	286.09	292.02	298.04	304.15	310.34	316.62	322.98	329.43	335.97	342.59	5
	41	42	100	703		1000				Total	

TABLE VII.—BASE X.—SLOPES 4 to 1.

Peet.	1	2	3	4	5	6	7	8	9	10	Feet
0	0.24	0.57	1.00	1.53	2.16	2.81	3.72	4.64	5.67	6.79	1
1	0.52	0.90	1.38	1.96	2.64	3.42	4.30	5.27	6,35	7.52	1
2	0.90	1.33	1.86	2.49	3.22	4.05	4.98	6.00	7.12	8.35	В
3	1.38	1.86	2.44	3.12	3.90	4.78	5.75	6.83	8.00	9.27	
4	1.96	2.49	3.12	3.85	4.68	5.61	6.63	7.75	8.98	10.30	13
5	2.64	3.22	3.90	4.68	5.56	6.53	7.61	8.78	10.05	11.42	
6	3,42	4.05	4.78	5.61	6.53	7.56	8.68	9.90	11.22	12.64	1
			5.75	6.63	7.61	8.68	9.85	11.12	12.49	13,96	1
7	4.30	4.98		7.75	8.78	9.90	11.12	12.44	13.85	15.38	4
8	5.27	6.00	6.83	8.98	10.05	11.22	12.49	13.85	15.33	16.90	
9	6.35	7.12	8.00	The second second		12.64	13.96	15.38	16.90	18.52	100
10	7.52	8.35	9.27	10.30	11.42	100000	MM00003	Service VIV		4.11	1
11	8.79	9.67	10.64	11.72	12.89	14.16	15.53	17.00	18,57	20.23	
12	10.16	11.09	12.11	13,23	14.46	15.78	17.20	18.72	20.33		
13	11.63	12.61	13.68	14.85	16.12	17.49	18.96	20.53	22,20		
14	13.20	14.22	15.35	16.57	17.89	19.31	20.83	22.44	24.16		
15	14.86	15.94	17.11	18,38	19.75	21.22	22.79	24.46	26.22	28.09	1
16	16.63	17.75	18.98	20.30	21.72	23.23	24.85	26.57	28.38	30.30	1
17	18.49	19.67	20.94	22.31	23.78	25.35	27.01	28.78	30.64	32.61	1
18	20.46	21.68	23.00	24.42	25.94	The second second	29.27	31.09	33.00		
19	22.52	23.79	25.16	26.63	28.20		31.63	33.49	35.46		
20	24.70	26.00	27.42	28.94	30.56	Charles Control	34.09	36.00	38.01	40.12	
	the second second	W-10 (20)		V = 1 1 - 2	13452.00	10000000	Total Control	12,145,141	M 6.8 .2 P	100,000	11
21	26.94	28.31	29.78	31.35	33.01	34.78	36.64	38.61	40.67	42.83	
22	29.30	30.72	32.23	33.85	85.57	37.38	39.30	41.31	43.42	45.63	
23	31.75	33,22	34.79	36.46	38.22	40.09	42.05	44.11	46.27	48.53	
24	34.31	35.83	37.44	39.16	40.98		44.90	47.01	49.22	51.53	
25	36.96	38.53	40.20	41.96	43.83	45.79	47.85	50.01	52.27	54.63	2
26	39.72	41.33	43.05	44.86	46.78	48.79	50.90	53.11	55.42	57.83	2
27	42.57	44.23	46.00	47.86	49.83	51.89	54.05	56.31	58.67	61.12	2
28	45.52	47.23	49.05	50.96	52.98	55.09	57.30	59.61	62.01	64.52	2
29	48.57	50.33	52.20	54.16	56.22	58.38	60.64	63.00	65.46	68.01	2
30	51.72	53.53	55.44	57.46	59.57	61.78	64,09	66.49	69.00	71.60	3
31		O Section In the		60.85	63.01	65.27	67.63	70.09	72.64	75.30	2
	54.96	56.83	58.79		66.56		71.27	73.78	76.38	The second second	
32	58.31	60.22	62.23	64.35	70.20		75.01	77.57	80.22	82.98	
33	61.75	63.72	65.78	67.94			78.85	81.46	84.16	86.96	
34	65.30	67.31	69.42	71.63	73.94			85.44	88.20		
35	68.94	71.00	73.16	75.42	77.78	The product of the same	82.79	Part and Con-		66.00	10
36	72.68	74.79	77.00	79.31	81.72		86.82	89.53	92.33	100,000,000,000	4
37	76.52	78.68	80.94	83.30	85.75		90.96	93.72	96.57	99.52	
38	80.46	82.67	84.98	87.38	89.89	92.49	95.20			103.90	
39	84.49	86.75	89.11	91.57	94.12	96.78	99.53	102.38	105.33	108.38	3
40	88.63	90.94	93.35	95.85		101.16					
41	92.86	95.22	97.68	100.23	101.89	105.64	108.49	111.44	114.49	117.64	4
42	97.20	99.60	102,11	104.72	107.42	110.22	113.12	116.12	119.22	122.42	4
43	101.63	104.09	106.64	109.30	112,05	114.90	117.85	120.90	124.05	127.30	4
44	106.16	108.67	111.27	113.98	116.78	119.68	122.68	125.78	128.97	132.27	4
45	110.79	113.35	116.00	118.75	121.60	124.56	127.60	180.75	134.00	137.35	4
40		110.00	100.00	100 00	100 50	100 50	199 60	125 00	120 10	149 50	d
16	115.52	118.12	120.83	123.63	126.58	129.53	102.03	141 00	144 95	147 70	A
47	120.35	123.00	125.75	128.60	131.06	134.60	140 07	146 07	140 67	159 10	A
18	125.27	127.97	130.78	133.68	136.68	139.78	142.97	151 64	155 00	150 00	1
49	130.30	133.05	135.90	138.85	141.90	145.05	148.30	101.64	100.09	100.00	1
	135.42										

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TABLE VII.—BASE X.—SLOPES 4 to 1.

Feet	11	12	13	14	15	16	17	18	19	20	The same
0	8.01	9.33	10.75	12.27	13.89	15.61	17.42	19.33	21.35	23.46	-
1	8.79	10.16	11.63	13,20			18,49	20.46		24.68	1
2	9.67	11.09		14.22	15.94		19.67	21.68		26.00	1
3	10.64	12.11	13.68	15.35	17.11	18.98	20.94	23.00	25.16		
4	11.72	13.23	14.85	16.57	18.38	20.30	22.31	24.42	26.63	28.94	١
5	12.89	14.46	16.12	17.89	19.75	21.72	23.78	25.94	28.20	30.56	
6	14.16	15.78	17.49	19.31	21.22	23.23	25.35	27.56	29.86	32.27	
7	15.53	17.20	18.96	20.83	22.79	24.85	27.01	29.27	31.63	34.09	l
8	17.00	18.72	20.53	22.44	24.46	the court of the Sand	28.78	31.09		36.00	
9	18.57	20.33	22.20	24.16			30.64	33.00	35.46	38.01	ı
10	20.23	22.05	23.96	25.98			32.61	35.01	37.52	40.12	1
11	22.00	23.86	25.83	27.89	1000000	32.31	34.67	37.12	39.68	42.33	ш
12	23.86	25.78	27.79	29.90	32.11	34.42	36.83	39.33	41.94	44.64	
13	25,83	27.79	29.85	32.01	34.27	36.63	39.09	41.64	44.30	47.05	
14	27.89	29,90	32.01	34.22	36.53	38.94	41.44	44.05	46.75	49.56	
5	30.05	32.11	34.27	36.53	38.89	41.35	43.90	46.56		52.16	
6	82.31	34.42	THE TAIL	The State of		100	100000	[- C - C - C - C - C - C - C - C - C -	10000000	1	ı
7		1 2 mm (m)	36.63	38.94	41.35	43.85	46.46	49.16	51.96	54.86	
8	34.67 37.12	36.83 39.33	39.09 41.64	$41.44 \\ 44.05$	43.90 46.56	46.46	49.11 51.86	51.86	54.72	57.67 60.57	
9	39.68	41.94	44.30	46.75	49.31	51.96	54.72	54.67	57.57 60.52	63.57	
0.5	42.33	44.64	47.05	49.56			57.67	60.57	63.57	66.67	
-	34.90	Page 7.1	200		10000	100	100, 100,000	1000	1000 1000	S 200	L
21	45.09	47.44	49.90	52.46	55.11	57.86	60.72	63.67	66.72	69.86	
22	47.94	50.35	52.85	55.46		60.96	63.86	66.86	69.96	73.16	
24	50.89	53.35	55.90	58.56	61.31	64.16	67.11	70.16	73.31	76.56	
25	53.94	56.44	59.05	61.75	64.56	67.46	70.46	73.56	76.75	80.05	
G	57.09	59.64	62.30	65.05	67.90	70.85	73.90	77.05	80.30	83.64	ı.
26	60.33	62.94	65.64	68.44	71.35	74.35	77.44	80.64	83.94	87.33	
27	63.68	66.33	69.09	71.94	74.89	77,94	81.09	84.33	87.68	91.12	
28	67.12	69.83	72.63	75.53	78.53	81.63	84.83	88.12	91.52	95.01	
0	70.67	73.42	76.27	79.22	82.27	85.42	88.67	92.01	95.46		
-24	74.31	77.11	80.01	83.01	86.11	89.31	92.60	96.00	1000000	103.09	
31	78.05	80.90	83.85	86.90	90.05	93.30				107.27	
32	81.89	84.79	87.79	90.89						111.56	
33	85.83	88.78	91.83	94.98						115.94	
34	89.86	92.86	95.96							120.42	
- 1	94.00	A Proceeding	April 10 Street	species of the con-	to make the same			aparagin by	April 19 Sept 19	125.00	П
16										129.68	
57	102.57	105.72	108.96	112.31	115.75	119.30	122.94	126,68	130.52	134.46	97.0
88	107.00	110.16	113.49	116.89	120.38	123.98	127.67	131.46	135.35	139.33	
										144.31	
				100		V 10				149.38	
1	120.89	124.23	127.68	131.22	134.86	138,60	142.44	146.38	150.42	154.56	4
										159.83	
										165.20	
15	140.57	139.16	142.75	146.44	150.23	150.12	158.11	162.20	166.38	170.67	4
										176.23	
16	146.01	149.60	153.30	157.09	160.97	164.96	169,05	173.23	177.52	181.90	4
17	151.33	154.97	158.72	162.56	166.49	170.53	174.67	178.90	183.23	187.67	4
18	156.75	160.44	164.23	168.12	172.11	176.20	180.38	184.67	189.05	193.53	4
19	162.27	166.01	169.85	173.79	177.83	181.96	186.20	190.53	194.96	199.49	4
00	167.89	171.68	175.57	179.55	183.64	187,83	192.11	196.49	200.97	205.55	1
-			_				-		-	-	1
- 1	11	12	13								

TABLE VIL-BASE X.-SLOPES 4 to 1.

Peet	21	22	23	24	25	26	27	28	29	30	Feet.
0	25.67	27.98	30.38	32.89	35.49	38.20	41.00	43.90	46.90	50.00	(
1	26.94	29.30	31.75	34.31	36.96	39.72	42.57	45.52	48.57	51.72	1
2	28.31	30.72	33.22	35.83	38.53	41.33	44.23	47.23	50.33	53.53	1
3	29.78	32.23	34.79	37.44	40.20	43.05	46.00	49.05	52.20	55.44	1
4	31.35	33.85	36.46	39.16	41.96	44.86	47.86	50.96	54.16	57.46	1
5	33.01	85.57	38,22	40.98	43.83	46.78	49.83	52.98	56.22	59.57	1
6	34.78		40.09	42.89	45.79	48.79	51.89	55.09	58.38	61.78	
7	36.64	39.30	42.05	44.90	47.85		54.05	57.30	60.64	64.09	
8	38.61	41.31	44.11	47.01	50.01	1000 T 100	56.31	59.61	63.00	66.49	
9	40.67	43.42	46.27	49.22	52.27	55.42	58.67	62.01	65.46	69.00	1
10	42.83	45.63	48.53	51.53	54.63	57.83	61.12	64.52	68.01	71.60	1
11	45.09	47.94	50.89	53.94	57.09	60.33	63.68	67.12	70.67	74.31	1
12	47.44	50.35	53.35	56.44	59.64	62.94	66.33	69.83	73.42	77.11	1
13	49.90	52.85	55.90	59.05	62.30	65.64	69.09	72.63	76.27	80.01	1
14	52.46	55.46	58.56	61.75	65.05	68.44	71.94	75.53	79.22	83.01	1
15	55.11	58.16	61.31	64.56	67.09	71.35	74.89	78.53	82.27	86.11	1.
16	57.86	60.96	64.16	67.46	70.85	74.35	77.94	81.63	85,42	89.31	1
17	60.72	63.86	67.11				81.09		88.67	92.60	
18	63.67	66.86							92.01		
19	66.72	69.96	73.31	76.75	80.30		87.68		95.46		
20	69.86	73.16								103.09	
21	73.11	76.46	79.90	83.44	87.09	90.83	94.67	98,60	102.64	106.78	2
22	76.46	79.85	83.35					102.30			
23	78.90	83.35	86.89					106.09			
24	83.44	86.94	90.53			101.90					
25	87.09	90.63			101.85						
26	90.83	94.42	98.11	1000	105.79	The state of the s	The second second				1
27	94.67				109.83						
28	98.60	102.30									
29	102.64										
	106.78										
31	111.01	114.85	118.79	122.83	126.98	131.20	135.53	189.96	144 49	149.12	3
	115.35										
	119.78										
	124.31										
	128.94										
S 4	133.67	4444	77 75 77 75		The course	1000	1-1-1-1	12	1	1000	1
	138.49										
	143.42										
	148.44										
40	153.57	157.85	162.23	166.72	171.32	175.97	180.75	185.63	190.60	195.68	4
	158.79	1.00	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Page 100 to 1	1.000	12000 1000		55-200			1 .
	164.11										
	169.53										
	175.05										
	180.67										
	186.38	H. E. H. C. THAT		12.00	D 4	V	HSS 10/199	and referred to the			1.
	192.20										
	198.11										
	204.12										
	210.23										
-	-						1 2		The second		-
	21	22	23	24	25	26	27	28	29	30	1

TABLE VII.—BASE X.—SLOPES 4 to 1.

Feet	31	32	33	34	35	36	37	38	39	40	Feet.
0	58.20	56.49	59.89	63.38	66.98	70.67	74.46	78.35	82.33	86.42	1
1	54.96	58.31	61.75	65.30	68.94	72.68	76.52	80.46	84.49	88.63	
2	56.83	60.22	63.72	67.31	71.00	74.79	78.68	82.67	86.75	90.94	1
3	58.79	62.23	65.78	69.42	73.16	77.00	80.94	84.98	89.11	93.35	13
4	60.85	64.35	67.94	71.63	75.42	79.31	83.30	87.38	91.57	95.85	1
5	68.01	66.56	70.20	73.94	77.78	81.72	85.75	89.89	94.12	98.46	
6	65.27	68.86	72.56	76.35	80.23	84.22	88.31	92,49	96.78	101.16	
7	67.63	71.27	75.01	78.85	82.79	86.83	90.96	95.20	99.53	103.96	
8	70.09	73.78	77.57	81.46	85.44	89.53	93.72	98.00	102.38	106.86	
9	72.64	76.38	80.22	84.16	88.20	92.33	96.57	100.90	105.33	109.86	ļ.
10	75.30	79.09	82.98	86.96	91.05	95.23	99.52	103.90	108.38	112.96	1
11	78.05	81.89	85.83	89.86	94.00	98.23	102.57	107.00	111.53	116.16	1
12	80.90	84.79	1000000	22722		101.33					
13	83.85	87.79	40 000			104.53		V 400			
14	86.90	90.89	Service and			107.83					
15	90.05	94.09				111.22					
16	*17.5 c.// d.	W. S. C.	100000000000000000000000000000000000000	111111111111111111111111111111111111111	when the later	114.72	The second	Property of the	Market Street		1
17						118.31					
						122.00					
						125.79					
						129.68					
				The second		12.5				1000000	١.
						133.67					
						137.75					
						141.94					
						146.22					
41	AL 6 6 5 A	197 1000 204	615 1 1 1 1 1 1 1		W 71- 1-61	150.62	Mary Company of the Asset	ALC: 10 P.	A wheels	N 100 C 100 C	1.
26	131.20	135.78	140.46	145.23	150.11	155.09	160.16	165.33	170.60	175.97	2
27	135.53	140.16	144.89	149.72	154.64	159.67	164.79	170.01	175.33	180.75	2
28	139.96	144.64	149.42	154.30	159.27	164.35	169.52	174.79	180.16	185.63	2
						169.12					
30	149.12	153.90	158.78	163.75	168.83	174.00	179.27	184.64	190.11	195.68	3
31	153.85	158.68	163.60	168.63	173.75	178.97	184.30	189.72	195, 23	200.85	3
						184.05					
						189.22					
34	168.63	173.60	178.68	183.85	189.12	194.49	199.96	205.53	211.20	216,96	3
						199.86					
~1				a har company	400000000000000000000000000000000000000	205.33	100000000000000000000000000000000000000		the second	1.00	٠.
37	184 30	189.42	194.64	199 96	205.38	210.90	216.52	222.23	228.05	233.96	3
28	189 79	194 89	200 16	205 53	211 00	216.57	229 22	228.00	233 86	239.93	3
39	195 93	200 46	205.78	211 20	216 72	222.33	228 05	233.86	239.78	245.79	9
						228.20					
- 1	2000		2007 100		1000	1000		1000000	L.C. L.A.	0.000	1.
						234.16					
						240.22					
						246.38 252.64					
						259.00					
- 1	The second	Company of the Control	A	1000000	1.250.00	14.00 (20.00)	1.000	The second	N 19 19 19 19 19 19 19 19 19 19 19 19 19	100000000000000000000000000000000000000	ь.
						265.46					
						272.01					
						278.67					
						285.42					
90	262.46	268.22	274.09	280.05	286,11	292,27	298.53	504.89	511.34	517.90	9
	31	32	33	34	35	36	37	38	39	40	Γ

TABLE VII.-BASE X.-SLOPES 4 to 1.

Feet	41	42	43	44	45	46	47	48	49	50	Papt.
0	90.60	94.89	99.27	103.75	108.33	113.01	117.79	122.67	127.64	132.72	6
1	92,86	97.20	101.63	106.16	110.79	115.52	120.35	125.27	130.30	135.42	
2	95.22			108.67							
3	97.68	102.11									
4	100.23	104.72	109.30	113.98	118.75	123.63	128,60	133.68	138.85	144.12	1
5	102,89	107.42	112.05	116.78	121.60	126.53	131.56	136.68	141.90	147.22	
6	105.64	110.22	114.90	119.68	124.56	129.53	134.60	139.78	145.05	150.42	
		113.12									
		116.12									
9	114.49	119.22	124.05	128.97	134.00	139.12	144.35	149.67	155.09	160.60	
10	117.64	122.42	127.30	132.27	137.35	142.52	147.79	153.16	158.63	164.20	1
11	120.89	125.72	130.64	135.67	140.79	146.01	151.33	156.75	162.27	167 89	1
		129.11									
		132.60									
		136.20									
		139.89									
16	138 60	143.68	148 85	154 19	159 49	164 96	170 53	176 90	181 96	187 89	1
		147.57									
		151.56									
		155.64									
		159.83									
- 1		164.11	100000000000000000000000000000000000000	52.05		the second second	200000000000000000000000000000000000000	11.00	WALL STATE	The second second	
		168.49									
		172.97									
		177.55									
		182.25									
- 4	1.7.7.7.7	100000000000000000000000000000000000000	500000000000000000000000000000000000000	All the second		450 Y 1000	C - C C V - C			P. Santana	
		187.01 191.89									
		196.86									
		201.94									
		207.11									
		0.00	S. Herrich Chris	1000	Topic Pallytin		And the second	property of the	11 CO 11	A CONTRACTOR	
		212.38									
		217.75									
		223.22 228.79									
		234.46									
24	200	100000			1.000	The same of the	DOM: " 19		The Control	350 m. 30	1
		240.22									
		246.09									
		252.05									
		258.11									
		264.27	Profeductoria		Carlo de La ye	A	September 1	AND DESCRIPTION OF THE PARTY OF	miles 4.51 glass	The second second	1
		270.53									
		276.89									
		283.34									
		289.90									
0.0		296.55		1000	100000		3.0.000		C-25-5	- 52N - 0	L
		303.31									
		310.16									
		317.11									
		324.16									
0	324.55	331.31	558.16	345.11	352,16	359.31	866.55	575.90	381.34	588.89	9
	41	40	40	44	10	40	477	40	40	*0	-
	41	42	43	44	45	46	47	48	49	50	

TABLE VIII.—BASE 18.—SLOPES 11 to 1.

Feet.	1	2	3	4	5	6	7	8	9	10	Feet.
0	0.35	0.74	1.17	1.63	2.13	2.67	3.24	3.85	4.50	5.18	-
1	0.72	1.13	1.57	2.05	2.57	3.13	3.72	4.35	5.02	5.72	1
2	1.13	1.55	2.02	2.52	3.05	3.63	4.24	4.89	5.57	6.30	1
3	1.57	2.02	2.50	3.02	3.57	4.17	4.80	5.46	6.17	6.91	1
4	2.05	2.52	3.02	3.55	4.13	4.74	5.39	6.07	6.80	7.55	1
5	2.57	3.05	3.57	4.13	4.72	5.35	6.02	6.72	7.46	8.24	8
6	3.13	3.63	4.17	4.74	5.35	6.00	6.68	7.41	8.17	8.96	
7	3.72	4.24	4.80	5.39	6.02	6.68	7.39	8.13	8.91	9.72	
8	4.35	4.89	5.46	6.07	6.72	7.41	8.13	8.89	9.68	10.52	
9	5.02	5.57	6.17	6.80	7.46	8.17	8.91	9.68	10.50	11.35	1
10	5.72	6.30	6.91	7.55	8.24	8.96	9.72	10.52	11.35	12.22	1
11	6.46	7.05	7.68	8.35	9.05	9.80	10.57	11.39	12.24	13.13	1
12	7.24	7.85	8.50	9.18	9.91	10.67	11.46	12.30	13.17	14.07	
13	8.05	8.68	9.35	10.05	10.80	11.57	12.39	13.24	14.13	15.05	
14	8.97	9.55	10.24	10.96	11.72	12.52	13.35	14.22	15.13	16.07	
15	9.80	10.46	11.17	11.91	12,68	13.50	14.35	15.24	16.17	17.13	
16	10.72	11.41	12.13	12.89	13.68	14.52	15.39	16.30	17.24	18.22	
17	11.68	12.39	13.13	13.91	14.72	15.57	16.46	17.39	18.35	19.35	
18	12.68	13.41	14.17	14.96	15.80	16.67	17.57	18.52	19.50	20.52	
19	13.72	14.46	15.24	16.05	16.91	17.80	18.72	19.68	20.68	21.72	
20	14.80	15.55	16.35	17.18	18.05	18.96	19.91	20.89	21.81	22.96	
21	CH. C. C.	16.68	D. YMC	18.35	19.24	20.17	20.13	22.13	23.17	24.24	ь.
22	15.91		17.50				22.39	23.41	24.46	25.55	
	17.05	17.85	18.68	19.55 20.80	20.46 21.72	21.41 22.68	23.68	24.72	25.80	26.97	
23	18.24	19.05	19.91 21.17	22.07	23.02	24.00	25.02	26.07	27.17	28.30	
24 25	19.46 20.72	21.57	22.46	23.39	24.35	25.85	26.39	27.46	28.57	29.72	
	79-17-1	CT	100	1000	1000	Discount of the second	1000	11/11/11	1.60	12.5	
26	22.02	22.89	23,80	24.74	25.72	26.74	27.80	28.89	30.02	31.18	
27	23.35	24.24	25.17	26.13	27.13	28.17	29.24	30.35	31.50	32.68	
28	24.72	25.63	26.57	27.55	28.57	29.68	30.72	31.85	33.02	34.22	
29	26.13	27.05	28.02	29.02	30.05	31.13	32.24	33.39	34.57	35.80	
30	27.57	28.52	29.50	30.52	31.57	32.67	33.80	34.96	36.17	37.41	
31	29.05	30.02	31.02	32.05	33.13	34.24	35.39	36.57	37.80	39.05	
32	30.57	31.55	32.57	33.63	34.72	85.85	37.02	38.22	39.46	40.74	
33	32.13	33.13	34.17	35,24	36.35	37.50	38.68	39.91	41.17	42.46	
34	33.72	34.74	35,80	36.89	38.02	39.18	40.39	41.63	42.91	44.22	-
35	35.35	36.39	37.46	38.57	39.72	40.91	42.13	43.39	44.68	46.02	3
36	37.02	38.07	39.17	40.30	41.46	42.67	43.91	45.18	46.50	47.85	
37	38.72	39.80	40.91	42.05	43.74	44.46	45.72	47.02	48.35	49.72	3
38	40.46	41.55	42.68	43.85	45.05	46.30	47.57	48.89	50.24	51.63	
39	42.24	43.35	44.50	45.68	46.91	48.17	49.46	50.80	52.17	53.57	
10	44.05	45.18	46.35	47.55	48.80	50.07	51.39	52.74	54.13	55.55	4
41	45.91	47.05	48.24	49.46	50.72	52.02	53.35	54.72	56.13	57.57	4
12	47.80	48.96	50.17	51.41	52.68	54.00	55.85	56.74	58.17	59.63	4
43	49.72	50.91	52.13	53.39	54.68	56.02	57.39	58.80	60.24	61.72	4
44	51.68	52.89	54.13	55.41	56.72	58.07	59.46	60.89	62.35	63.85	4
15	53.68	54.91	56.17	57.46	58.80	60.17	61.57	63.02	64.50	66.02	4
16	55.72	56.96	58.24	59.55	60.91	62.30	63.72	65.18	66.68	68.22	4
47	57.80	59.05	60.35	61.68	62.05	64.46	65.91	67.39	68.91	70.46	
48	59.91	61.18	62.50	63.85	65.24	66.67	68.13	69.63	71.17	72.74	
49	62.05	63.35	64.68	66.05	67.46	68.91	70.39	71.91	73.46	75.05	
50	64.24	65.55	66.91	68.30	69.72	71.18	72.68	74.22	75.80	77.41	
-	_		-							10.7	-
	1 -	2	3	4	5	6	7	8	9	10	

TABLE VIII.—BASE 18.—SLOPES 11 to 1.

Feet.	11	12	13	14	15	16	17	18	19	20	Page
0	5.91	6.67	7.46	8.30	9.17	10.07	11.02	12.00	13.02	14.07	-
1	6.46	7.24	8.05	8.97	9.80	10.72	11.68	12.68	13.72	14.80	
2	7.05	7.85	8.68	9.55	10.46	11.41	12.39	13.41	14.46	15.55	
3	7.68	8.50	9.35	10.24	11,17	12.13	13.13	14.17	15.24	16.35	1
4	8.35	9.18	10.05	10.96	11.91	12.89	13.91	14.96	16.05	17.18	
5	9.05	9.91	10.80	11.72	12.68	13.68	14.72	15.80	16.91	18.05	
6	9.80	10.67	11.57	12.52	13.50	14.52	15.57	16.67	17.80	18.96	
7	10.57	11.46	12.39	13.35	14.35	15.39	16,46	17.57	18.72	19.91	1
8	11.39	12.30	13.24	14.22	15.24	16.30	17.39	18.52	19.68	20.89	1
9	12.24	13.17	14.13	15.13	16.17	17.24	18.35	19.50	20.68	21.91	
10	13.13	14.07	15.05	16.07	17.13	18, 22	19.35	20.52	21.72		
	7.1	7.70,374	P. C. CO.			A. C. A. C. C.		100000000000000000000000000000000000000	0.00	22.96	Н.
11	14.05	15.02	16.02	17.05	18.13	19.24	20.39	21.57	22,80	24.05	
12	15.02	16.00	17.02	18.07	19.17	20.30	21.46	22.67	23.91	25.18	
13	16.02	17.02	18.05	19.13	20.24	21.39	22.57	23.80	25.05	26.35	
14	17.05	18.07	19.13	20.22	21.35	22.52	23.72	24.96	26.24	27.55	
15	18.13	19.17	20.24	21.35	22.50	23.68	24.91	26.17	27.46	28,80	1
16	19.24	20.30	21.39	22.52	23.68	24.89	26.13	27.41	28.72	30.07	1
17	20.29	21.46	22.57	23.72	24.91	26.13	27.39	28.68	30.02	31.39	1
18	21.57	22.67	23.80	24.96	26.17	27.41	28.68	30,00	31.35	32.74	
19	22.80	23.91	25.05	26.24	27.46	28.72	30.02	31.35	32.72	34.13	
20	24.05	25.18	26.35	27.55	28.80	30.07	31.39	32.74	34, 13	35.55	
21	25,35	26.50	27.68	28.91	30.17	31.46	32.80	34.17	35.57	37.02	п
22	26.68	27.85	29.05	30.30	31.57	32.89	34.24	35.63	37.05	38.52	
23	28.05	29.24	30.46	31.72	33.02	34.35	35.72	37.13	38.57	40.05	
24	29.46	30.67	31.91	33.18	34.50	35.85	37.24	38.67	40.13	41.63	
25	30.91	32.13	33.39	34.68	36.02	37.39	38.80	40.24	41.72	43.24	
- 1	provided that	the state of the state of	Carlot Table	100000000000000000000000000000000000000	/S(C)	200	1000	14 1.00	22.0		١.
26	32.39	33.63	34.91	36.22	37.57	38.96	40.39	41.85	43.35	44.89	
27	33.91	35.17	36.46	37.80	39.17	40.57	42.02	43.50	45.02	46.57	
28	35.46	36.74	38.05	39.41	40.80	42.22	43.68	45.18	46.72	48.30	
29 30	37.05	38.35	39.68	41.05	42.46	43.91	45.39	46.91	48.46	50.05	
- 1	38.68	40.00	41.35	42.74	44, 17	45,63	47.13	48.67	50.24	51.85	
31	40.35	41.68	43,05	44.46	45.91	47.39	48,91	50.46	52.05	53.68	
32	42.05	43.41	44.80	46.22	47.68	49.18	50.72	52.30	53.91	55.55	
33	43.80	45.17	46.57	48.02	49.50	51.02	52.57	54.17	55.80	57.46	
34	45.57	46.96	48.39	49.85	51.35	52.89	54.46	56,07	57.72	59.41	
35	47.39	48.80	50.24	51.72	53.24	54.80	56.39	58.02	59.68	61.39	8
36	49.24	50.67	52.13	53.63	55.17	56.74	58.35	60.00	61.68	63.41	9
37	51.13	52.57	54.05	55.57	57.13	58.72	60.35	62.02	63.72	65.46	
38	53.05	54.52	56.02	57.55	59.13	60.74	62.39	64.07	65.80	67.55	
39	55.02	56.50	58.02	59.57	61.17	62.80	64.46	66.17	67.91	69.68	
10	57.02	58.52	60.05	61.63	63.24	64.89	66,57	68,30	70.05	71,85	1
11	59.05	60.57	62.13	63.72	65.35	67.02	68.72	70.46	72.24	74.05	4
12	61.13	62.67	64.24	65.85	67.50	69.18	70.91	72.67	74.46	76.30	
13	68.24	64.80	66.39	68.02	69.68	71.39	73.13	74.91	76.72	78.57	
14	65.39	66.96	68.57	70.22	71.91	73.63	75.39	77.18	79.02	80.89	
15	67.57	69.17	70.80	72.46	74.17	75.91	77.68	79.50	81.35	83.24	
16	ment of the late.	41.73%	AA STATE	A - 1	10 TO 15 1	CHARLES A	WY 550	27 7 7 D 11	A CONTRACTOR		п
17	69.80	71.41	73.05	74.74	76,46	78.22	80.02	81.85	83.72	85.63	
48	72.05	78.68	75.35	77.05	78.80	80.57	82.39	84.24	86.13	88.05	
49	74.35	76.00	77.68	79.41	81.17	82.96	84.80	86.67	88.57	90.52	
50	76.68	78.35	80.05	81.80	88.57	85.39	87.24	89.13	91.05	93.02	1-
-	79.05	80.74	82.46	84.22	86.02	87.85	89.72	91.63	93.57	95.55	
	11	12	13	14	15	16	17	18	19	20	Γ

TABLE VIII.—BASE 18.—SLOPES 11 to 1.

Feet.	21	22	23	24	25	26	27	28	29	30	Feet.
0	15.17	16.30	17.46	18.67	19.91	21.18	22.50	23.85	25.24	26.67	0
1	15.91	17.05	18.24	19.46	20.72	22.02	23.35	24.72	26.13	27.57	1
2	16.68	17.85	19.05	20.30	21.57	22.89	24.24		27.05	28.52	2
3	17.50	18.68	19.91	21.17	22.46	23.80	25.17	26.57	28.02	29.50	
4	18.35	19.55	20.80	22.07	23.39	24.74	26.13		29.02	30.52	
5	19.24	20.46	21.72	23.02	24.35	25.72	27.13		30.05	31.57	5
6	20.17	21.41	22.68	24.00	25.35	26.74	28.17	29.63	31.13	32.67	6
7	21.13	22.39	23.68	25.02	26.39	27.80	29.24	30.72	32.24	33.80	7
8	22.13	23.41	24.72	26.07	27.46	28,89	80.35	31.85	33.39	34.96	8
9	23.17	24.46	25.80	27.17	28.57	30.02	31.50	33.02	34.57	36.17	9
10	24.24	25.55	26.97	28,30	29.72	31.18	32.68		35.80	37.41	10
11	25.35	26.68	28.05	29.46	30.91	32.89	33,91	35.46	37.05	38.68	11
12	26.50	27.85	29.24	30.67	32.13	33.63	35.17	36.74	38.35	40.00	12
13	27.68	29.05	30.46	31.91	33.39	84.91	36.46	38.05	39.68	41.35	13
14	28.91	30.30	31.72	33.18	34.68	36.22	37.80		41.05	42.74	14
15	30.17	31.57	33.02	34.50	36.02	37.57	39.17	40.80	42.46	44.17	
16	31.46	32.89	34.35	35.85	37.39	38.96	40.57	42.22	43.91	45.63	16
17	32.80	34.24	35.72	37.24	38.80	40.39	42.02	43.68	45.39	47.13	17
18	34.17	35.63	37.13	38.67	40.24	41.85	43.50		46.91	48.67	
19	35.57	37.05	38.57	40.13	41.72	02 24	45.02	46.72	48.46	50.24	19
20	37.02	38.52	40.05	41.63	43,24	B 10/16 ac 5	46.57	48.30		51.85	
21	38.50	40.02	41.57	43.17	44.80	46.46	48.17	49.91	51.68	53.50	21
22	40.02	41.55	43.13	44.74	46.39		49.80		53.35	55.18	
23	41.57	43.13	44.72	46.35	48.02				55.05	56.91	
24	43.17	44.74	46.35	48.00			53.17	54.96			
25	44.80	46.39	48.02	49.68				56.72	58.57	60.46	
26	46.46	48.07	49.72	51.41	53.13	54.89	56.68	58.52	60.39	62.30	26
27	48.17	49.80	51.46	53.17	54.91	56.68			62.24	64.17	
28	49.91	51.55	53.24	54.96	56.72	58.52	60.85	62.22	64.13		
29	51.68	53.35	55.05	56.80		60.39				68.02	
30	53.50	55.18	56.91	58.67	60.46	9-4		66.07	68.02	70.00	
31	55.35	57.05	58.80	60.57	62.39		66.13	68.05	70.02	72.02	31
32	57.24	58.96	60.72	62.52	64.35				72.05	74.07	
33	59.17	60.91	62.68	64.50	66.35		70.17	72.13			
34	61.13	62.89	64.68	66.52	68.39				76.24	78.30	
35	63.13	64.91	66.72	68.57	70.46			76.35	78.39	80.46	
36	65.17	66,96	68.80	70.67	72.57	74.52	100	THE STREET	80.57	82.67	100
37	67.24	69.05	70.91	72.80	74.72	76.68			82.80		
38	69.35	71.18	73.05	74.96		78.89		82.96		87.18	
39	71.50	73.35	75.24	77.17	79.13	81.13			87.35	89.50	
40	73.68	75.55	77.46	79.41	81.39		85.46		89.68		
41	75.91	77.80	79.72	81.68	83.68		Carlo Carlo	A	92.05	1000000	15.
42	78.17	80.07	82.02	84.00	86.02		90.17	92.30	94.46		1
43	80.46	82.39	84.35	86.35	88.39	90.46	A 4 W		96.91	99.13	
44	82.80	84.74			90.80	200	95.02	97.18	Carte 100 100 100 100	101.63	1.77
45			86.72	88,74	93.24		12 2 2 2 2 2		101.91		
- 1	85.17	87.13	89.13	91.17		1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	100000		47-18, 1851	A STATE OF THE PARTY OF THE PAR	1
46	87.57	89.55	91.57	93.63	95.72		100.02				
47	90.02	92.02	94.05			100.39					
48	92.50	94.52	96.57			102.96					
49 50	95.02 97.57	97.05				105.57 108.22					
-	97.07	30,00	101.72	100.60	100.02	100.22	110.40	110.74	110.00	111.41	-
	21	22	23	24	25	26	27	28	29	30	

TABLE VIII.—BASE 18.—SLOPES 11/2 to 1.

Peet.	31	32	33	34	35	36	37	38	39	40	Feet.
0	28.13	29.63	31.17	32.74	34.35	36.00	37.68	39.41	41.17	42.96	(
1	29.05	80.57	32.13	33.72	35.35	37.02	38.72	40.46	42.24	44.05	1
2	30.02	31.55	33.13	34.74	36.39	38.07	39.80	41.55	43.35	45.18	1
3	31.02	32.57	34.17	35.80	87.46	39.17	40,91	42.68	44.50	46.35	5
4	32.05	33,63		36.89	38.57	40.30	42.05	43.85	45.68	47.55	
5	33.13	84.72	36.35	38.02	39.72	41.46	43.74	45.05	46,91	48.80	
		A CONTRACT	37.50	39.18	40.91	42.67	44.46	46.30	48.17	50.07	
6	34.24	35.85			42.13		45.72		49.46		
7	35.39	37.02	38.68	40.39		43.91 45.18	100000000000000000000000000000000000000	47.57	50.80	51.39	
8	36.57	38.22	39.91	41.63	43.39	1000000	48.35		52.17	52.74	
9	37.80	39.46	1 2 2 2 2 2	42.91	44.68	46.50		50.24		54.13	
10	39.05	40.74	42.46	44.22	46.02	47.85	49.72	51.63	53.57	55.55	
11	40.35	42.05	43.80	45.57	47.89	49.24	51.13	58.05	55.02	57.02	1
12	41.68	43.41	45.17	46.96	48.80	50.67	52.57	54.52	56.50	58.52	15
13	43.05	44.80	46.57	48.39	50.24	52.13	54.05	56.02	58.02	60.05	13
14	44.46	46.22	48,02	49.85	51.72	53.63	55.57	57.55	59.57	61.63	1.
15	45.91	47.68	49.50	51.35	53.24	55.17	57.13	59.18	61.17	63.24	1.
16	47.39	49.18	51.02	52.89	54.80	56.74	58.72	60.74	62.80	64.89	1
17	48.91	50.72		54.46	56.39	58.35	60.35	62.39	64.46	66.57	
	50.46	52.30		56.07	58.02	60.00	62.02	64.07	66.17	68.30	
18		53.91	55.80	57.72	59.68	The second second	63.72	65.80	Part All Walls	70.05	
19	52.05	0.00			61.39	63.41	65.46		69.68	71.85	
20	53.68	55.55	10 miles	59.41	J-500 - 500	16.70	74. G164			100000	130
21	55.35	57.24		61.13	63.13	65.17	67.24	69.35	71.50	73.68	
22	57.05	58.96	60,91	62.89	64.91	66.96	69.05	71.18		75.55	
23	58.80	60.72	62.68	64.68	66.72	68.80	70.91	73.05		77.46	
24	60.57	62.52	64.50	66.52	68.57	70.67	72.80	74.96	77.17	79.41	2
25	62.39	64.35	66.35	68.39	70.46	72.57	74.72	76.91	79.13	81.39	2
26	64.24	66.22	68.24	70.30	72.39	74.52	76.68	78.89	81.13	83.41	2
27	66.13	68.13	70.17	72.24	74.35	76.50	78.68	80.91	83.17	85,46	
28	68.05	70.07	72.13	74.22	76.35	78.52	80.72	82.96	85.24	87.55	
29	70.02	72.05	74.13	76.24	78.39	80.57	82.80		87.35	89.68	11-2
30	72.02	74.07	76.17	78.30	80.46		84.91	87.18		91.85	
1.14	1	You'r' but	N. POPERIO	Der Train Inc. and	100000	250.00	100				-
31	74.05	76.13	78.24	80.39	82.57	84.80	87.05	89.35	91.68	94.05	15.5
32	76.13	78.22	The second second	82.52	84.72	86.96	89.24	91.55	93.91	96.30	
33	78.24	80.35	82.50	84.68	86.91	89.17	91.46	93.80		98.57	
34	80.39	82.52		86,89	89.13	91.41	93.72	96.07		100.89	
35	82.57	84.72	86.91	89.13	91.39	93.68	96.02	98.39	100.80	103.24	3.
36	84.80	86.96	89.17	91.41	93.68	96.00	98.35	100.74	103.17	105.63	3
37	87.05	89.24	91.46	93.72	96.02	98.35	100.72	103,13	105.57	108.05	3
38	89.35	91.55	93.80	96.07	98.39	100.74	103.13	105.55	108.02	110.52	3
39	91.68	93.91	96.17	98.46	100.80	103.17	105.57	108.02	110.50	113.02	35
10	94.05	96.30					108.05				
11	96.46	100000000000000000000000000000000000000	101.02	In the last case of	100	A 100 100	2 200 200		W 20 1 1 1 1		1 -
12		101.18									
	101 90	103.68	106.00	108 90	110 80	113 94	115 79	118 24	120 80	123 39	A
14	102.00	106.22	108 57	110 90	113 20	115 85	118 35	120.89	123 46	126 07	A
15	100.01	108.22	111 17	119 57	116 09	118 50	121 09	123 57	126.17	128 80	4
46	109.05	111.41	113.80	116.22	118,68	121.18	123.72	126.30	128.91	131.51	4
17	111.68	114.05	116.46	118.91	121.39	123.91	126,46	129.05	131,68	134.35	4
	114.35	116.74	119.17	121.63	124.13	126,67	129.24	131, 85	134.50	137.18	4
48	to be built on the	110 40	191 01	194 39	126.91	129.46	132.05	134.68	137, 35	140 05	4
49											
49		122.22									
19											

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TABLE VIII.—BASE 18.—SLOPES 1½ to 1.

Feet.	41	42	43	44	45	46	47	48	49	50	Feet.
0	44.80	46.67	48.57	50.52	52.50	54.52	56.57	58.67	60.80	62.96	0
1	45.91	47.80	49.72	51.68	53.68	55.72	57.80	59,91	62.05	64.24	1
2	47.05	48.96	50.91	52.89	54.91	56.96	59.05	61.18	63.35	65.55	2
3	48.24	50.17	52.13	54.13	56.17	58.24	60.35	62.50	64.68	66.91	3
4	49.46	51.41	53.39	55.41	57.46	59.55	61.68	63.85	66.05	68.30	4
5	50.72	52,68	54.68	56.72	58.80	60.91	62.05	65.24	67.46	69.72	5
6	52.02	54.00	56.02	58.07	60.17	62.30	64.46	66.67	68.91	71.18	6
7	58.35	55.35	57.39	59.46	61.57	63.72	65.91	68.13	70.39	72.68	7
8	54.72	56.74	58.80	60.89	63.02	65.18	67.39	69.63	71.91	74,22	8
9	56.13	58.17	60.24	62.35	64.50	66.68	68.91	71.17	73.46	75.80	9
10	57.57	59.63	61.72	63.85	66.02	68.22	70.46	72.74	75.05	77,41	10
11	59.05	61.13	63.24	65.39	67.57	69.80	72.05	74.35	76.68	79.05	11
12	60.57	62.67	64.80	66.96	69.17	71.41	73.68	76.00	78.35	80.74	12
13	62.13	64.24	66.39	68.57	70.80	73.05	75.35	77.68	80.05	82.46	13
14	63,72	65.85	68.02	70.22	72.46	74.74	77.05	79.41	81.80	84.22	14
15	65.35	67.50	69.68	71.91	74.17	76.46	78.80	81.17	83.57	86.02	15
16	67.02	69.18	71.39	73.63	75.91	78.22	80.57	82.96	85.89	87.85	16
17	68.72	70.91	72.13	75.89	77.68	80.02	82.39	84.80	87.24	89.72	17
18	70.46	72.67	74.91	77.18	79.50	81.85	84.24	86.67	89.13	91.63	18
19	72.24	74.46	76.72	79.02	81.35	83,72	86.13	88.57	91.05	93.57	19
20	74.05	76.30	78.57	80.89	83.24	85.63	88.05	90.52	93.02	95.55	20
21	75.91	78.17	80.46	82.80	85.17	87.57	90.02	92.50	95.02	97.57	21
22	77.80	80.07	82.39	84.74	87.13	89.55	92.02	94.52	97.05	99.63	22
23	79.72	82.02	84.35	86.72	89.13	91.57	94.05	96.57		101.72	
24	81.68	84.00	86, 35	88.74	91, 17	93.63	96.13		101.24		
25	83.68	86.02	88.39	90.80	93.24	95.72	98.24	100.80	103.39	106.02	25
26	85.72	88.07	90.46	92.89	95.35	97.85	Marin Alba A	From John April	105.57	to a territoria. I	100
27	87.80	90.17	92.57	95.02					107.80		
28	89.91	92.30	94.72	97.18					110.05		
29	92.05	94.46	96.91						112.35		
30	94.24	96.67							114.68		
31	96.46	98 91	101 39	103.91	106.46	109.05	111.68	114.35	117.05	119.80	31
32									119.46		
33	101.02	103.50	106.02	108.57	111.17	113,80	116.46	119.17	121.91	124.68	33
34	103.35	105.85	108.39	110.96	113.57	116.22	118.91	121.63	124.39	127.18	34
35	105.72	108.24	110.80	113.39	116.02	118,68	121.39	124.13	126.91	129.72	35
									129.46		
37	110.57	113.13	115.79	118.35	121.02	123.79	126.46	129.24	132.05	134.91	37
18	113.05	115.68	118.24	120.89	123.57	126.30	129.05	131.85	134.68	137.55	38
39	115.57	118.17	120.80	123.46	126.17	128.91	131.68	134,50	137.35	140.24	39
10	118.13	120.74	123.39	126,07	128.80	131.55	134.35	137.18	140.05	142.96	40
	Control School								142.80	3.3	
									145.57		
12	126.02	128.68	131.39	134.13	136.91	139.72	142.57	145.46	148.39	151.35	43
14	128.72	131.41	134.13	136.88	139.68	142.52	145.38	148.30	151.24	154.22	44
									154.13		
			1. 0.7. 7.11	1-6-1-6-1		A PART TO SERVICE		A service of the service of	157.05		
17	137.05	189 80	142 57	145.38	148.94	151.13	154.05	157.02	160.02	163.05	47
19	139 91	142 67	145 46	148.30	151 17	154 07	157.09	160.00	163.02	166.07	48
									166.05		
									169.13		
-	_		177.7	100	_	-					-
	41	42	43	44	45	46	47	48	49	50	1

TABLE IX.—BASE 20.—SLOPES 1 to 1.

Feet.	1	2	3	4	5	6	7	8	9	10	Post.
0	0.38	0.79	1.22	1.68	2.16	2.67	3,20	3.75	4.33	4.94	0
1	0.78			2.11	2.61	3.12	3.67	4.24			
3	1.20 1.64					3.61 4.11	4.16 4.68	4.74 5.27			
4	2.11	2.57		3.56		4.64	5.22	5.83			
5	2.61	3.07	3.57	4.09	I	5.20	5.79	6.41	7.05	7.72	5
6	3.12	3.61		4.64		5.78	6.38	7.01			
7 8	3.67 4.24	4.16 4.74		5.22 5.83	5.79 6.41	6.38 7.01	7.00 7.64	7.64 8.30			
9	4.83	5.35		6.46	7.05	7.67	8.31	8,98			
10	5.44	5.98	6.53	7.11	7.72	8.35	9.00	9.68	10.38	11.11	10
11	6.09	6.63		7.79	8.41	9.05	9.72	10.41	11.12		
12 13	6.75 7.44	7.31 8.01	7.89 8.61	8.49 9.22	9.12 9.86	9.78 10.53	10.46 11.22	11.16 11.94			
14	8.16	8.74	9.35	9.98	10.63	11.31	12.01	12.74			
15	8.90	9.49	10.11	10.75	11.42	12.11	12.83	13.57	14.33	15.12	15
16	9.67	10.27	10.90	11.56	12.23	12.94	13.67	14.42			
17 18	10.46 11.27	11.07 11.90	11.72 12.56	12.38 13.23	13.07 13.94	13.79 14.67	14.53 15.42	15.30 16.20	16.09 17.00		
19	12.11	12.75	13.42	14.11	14.83	15.57	16.33	17.12	17.94		
20	12.98	13.68	14.81	15.01	15.74	16.49	17.27	18.07	18.90	l .	
21	13.86	14.53	15.22	15.94	16.68	17.44	18.23	19.05	19.89	20.75	
22 23	14.78 15.72	15.46 16.41	16.16 17.12	16.89 17.86	17.64 18.63	18.42 19.42	19.22 20.23	20.05 21.07	20.90 21.94	21.78 22.83	
24	16.68	17.88	18.11	18.86	19.64	20.44	21.27	22.12	23.00	23.90	
25	17.67	18.38	19.12	19.89	20.68	21.49	22.33	23.20	24.09	25.00	
26	18.68	19.41	20.16	20.94	21.74	22.57	23.42	24.30	25.20	26.12	
27 28	19.72 20.78	20.46 21.53	21.22 22.31	22.01 23.11	22.83 23.94	23.67 24.79	24.53 25.67	25.42 26.57	26.33 27.49	27.27 28.44	
29	21.86	22.63	23.42	24.23	25.07	25.94	26.83	27.74	28.68	29.64	
30	22.98	23.75	24.56	25.38	26.23	27.11	28.01	28.94	29.89	30.86	
31	24.11	24.90	25.72	26.56	27.42	28.31	29.22	30.16	31.12	32.11	
32 33	25.27 26.46	26.07 27.27	26.90 28.11	27.75 28.98	28.63 29.86	29.53 30.78	$30.46 \\ 31.72$	$31.41 \\ 32.68$	32.38 33.67	33.38 34.68	
34	27.67	28.49	.29.35	30.22	31.12	32.05	33.00	33.98	34.98	36.00	
85	28.90	29.74	80.60	31.49	32.41	33.35	34.31	85.30	36.31	37.35	
86	30.16	31.01	31.89	32.79	33.72	34.67 36.01	35.64	36.64	87.67	38.72	
37 38	81.44 32.75	82.31 83.63	33.20 34.53	34.11 35.46	35.05 36.41	37.38	37.00 38.38	38.01 39.41	39.05 40.46	40.11 41.53	
39	84.09	34.98	85.89	36. 83	37.79	38.78	39.79	40.83	41.89	42.98	39
40	85.44	86.85	37.27	38.22	39.20	40.20	41.22	42.27	43.35	44.44	
41	36.83 38.23	37.74	38.68	39.64	40.63	41.64 43.11	42.68 44.16	$43.74 \\ 45.23$	44.83	45.94	
42 43	89.67	89.16 40.61	40.11 41.57	41.09 42.56	42.09 43.57	44.61	45.67	46.75	46.33 47.86	47.46 49.00	
44	41.12	42.07	43.05	44.05	45.07	46.12	47.20	48.30	49.42	50.57	44
45	42.61	43.57	44.56	45.57	46.61	47.67	48,75	49.86	51.00	52.16	1
46	44.11 45.64	45.09 46.63	46.09 47.64	47.11 48.68	48.16 49.74	49.23 50.83	50.33 51.94	51.46 53.07	52.61 54.23	53.78	
47 48	45.64	48.20	47.64	50.27	51.85	52.44	53.57	54.72	55.89	55.42 57.09	
49	48.78	49.79	50.83	51.89	52.98	54.09	55.22	56.38	57.57	58.78	49
50	50.38	51.41	52.46	53.53	54.63	55.75	56.90	58.07	59.27	60.49	50
	1	2	3	4	5	6	7	8	9	10	

TABLE IX.—BASE 20.—SLOPES I to 1.

Feet.	11	12	13	14	15	16	17	18	19	20	Feet.
0	5.57	6.22	6.90	7.61	8.33	9.09	9.86	10.67	11.49	12.35	1
1	6.09	6.75	7.44	8,16	8.90	9.67	10.46	11.27	12.11	12.98	1
2	6.63	7.31	8.01	8.74	9.49	10.27	11.07	11.90	12.75	13,63	3
3	7.20	7.89	8,61	9.35	10.11	10.90	11.72	12.56	13.42	14.31	3
4	7.79	8.49	9.22	9.98	10.75	11.56	12.38	13.23	14.11	15.01	1
5	8.41	9.12	9.86	10.63	11.42	12.23	13,07	13.94	14.83	15.74	1
6	9.05	9.78	10.53	11.31	12.11	12.94	13.79	14.67	15.57	16.49	
7	9.72	10.46	11.22	12.01	12.83	13.67	14.53	15.42	16.33	17.27	
8	10.41	11.16	11.94	12.74	13.57	14.42	15.30	16.20	17.12	18.07	1
9	11.12	11.89	12.68	13.49	14.33	15.20	16.09	17.00	17.94	18.90	1
10	11.86	12.64	13,44	14.27	15.12	16.00	16.90	17.83	18.78	19.75	1
11	12.63	13.42	14.23	15.07	15.94	16.83	17.74	18.68	19.64	20.63	1
12	13.42	14.22	15.05	15.90	16.78	17.68	18.65	19.56	20.53	21.53	15
13	14.23	15.05	15.89	16.75	17.64	18.56	19.49	20.46	21.44	22.46	1:
14	15.07	15.90	16.75	17.63	18.53	19.46	20.41	21.38	22.38	23,41	14
15	15.94	16.78	17.64	18.53	19.44	20.38	21.35	22.33	23.35	24.38	1.
16	16.83	17.68	18.56	19.46	20.38	21.33	22.31	23.31	24.33	25.38	16
17	17.74	18.65	19.49	20.41	21.35	22.31	23.30	24.31	25.85	26.41	
18	18.68	19.56	20.46	21.38	22.33	23.31	24.31	25.33	26.38	27.46	
19	19.64	20.53	21.44	22.38	23.35	24.33	25.35	26.38	27.44	28.53	
20	20.63	21.53	22.46	23.41	24.38	25.38	26.41	27.46	28.53	29.63	
21	21.64	22.56	23.49	24.46	25.44	26.46	27.49	28.56	29.64	30.75	9
21	22.68	23.61	24.56	25.53	26.53	27.56	28.61	29.68	30.78	31.90	
23	23.74	24.68	25.64	26.63	27.64	28.68	29.74	30.83	31.94	33.07	
24	24.83	25.78	26.75	27.75	28.78	29.83	30.90	32.00	33.12	34.27	
25	25.94	26.90	27.89	28.90	29.94	31.00	32.09	33.20	34.33	35.49	
26	27.07	28.05	29.05	30,07	31.12	32.20	33.30	34.42	35.57	36.74	100
C -	28.23	29.22	30.23	31.27	32.33	33,42	34.53	35.67	36.83	38.01	
27 28	29.42	30.42	31.44	32.49	33.57	34.67	85.79	36.94	38.11	39.31	
29	30.63	31.64	32.68	33.74	34.83	35.94	37.07	38.23	39.42	40.63	
30	31.86	32.89	33,94	35.01	36.11	37.23	38.38	39.56	40.75	41.98	
364	2000 NO.24	CE SECOND	35.22	36,31	37.42	38.56	89.72	40.90	42.11	43.35	
31	33.12	34.16	36.53	37.63	38.75	39.90	41.07	42.27	43.49	44.74	
32	34.41 35.72	35.46 36.78	37.86	38.98	40.11	41.27	42.46	43.67	44.90	46.16	
33	37.05	38.12	39.22	40.35	41.49	42.67	43.86	45.09	46.33	47.61	
35	38.41	39.49	40.61	41.74	42.90	44.09	45.30	46.53	47.79	49.07	
		7.0	Contract of the contract of th	0.20020	100000	Callet U.S.			100	10000	١.
36	39.79	40.89	42,01	43.16	44.33	45.53	46.75	48.00	49.27 50.78	50.57 52.09	
37	41.20	42.31	$43.44 \\ 44.90$	$44.61 \\ 46.07$	45.79 47.27	47.00 48.49	49.74	51.01	52.31	53.63	
38	42.63 44.09	$43.75 \\ 45.22$	46.38	47.57	48.78	50.01	51.27	52.56	53.86	55.20	
39	45.57	46.72	47.89	49.09	50.31	51.56	52.83	54.12	55.44	56.79	
40	Territory Co.	1 1 10 11 11	100	0.000	1000 5 1	7 3 40 5 50	Man market	- X - 30 - 3	40.00	1.00	
41	47.07	48.23	49.42	50.63	51.86	53.12	54.41	55.72	57.05	58.41	1
42	48.61	49.78	50.98	52.20	55.44	54.72	56.01	57.33	58.68	60.05	100
43	50.16	51.35	54.56	53.79	55.05 56.68	56.33	57.64 59.30	58.98 60.64	60.33 62.01	61.72	
44	51.74	52.94	54.16	55.41 57.05	58.33	57.98 59.64	60.98	62.33	63.72	63.41 65.12	
45	53.35	54.56	55.79	0.000	1655 53	1.50.00	19-250 11 3	1.00	100	55719	U.,
46	54.98	56.20	57.44	58.72	60,01	61.33	62.68	64.05	65.44	66.86	
47	56.63	57.86	59.12	60.41	61.72	63.05	64.41	65.79	67.20	68.63	
48	58.31	59.56	60.83	62.12	63.44	64.79	66.16	67.56	68.98	70.42	
49	60.01	61.27	62.56	63.86	65.20	66.56	67.94	69.35	70.78	72.23	
50	61.74	63.01	64.31	65.63	66.98	68.35	69.74	71.16	72.60	74.07	0
	11	12	13	14	15	16	17	18	19	20	

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Feet.	21	22	23	24	25	26	27	28	29	30	Feet.
0	13.22	14.12	15.05	16.00	16.98	17.98	19.00	20.05	21.12	22.22	(
1	13.86	14.78	15.72	16.68	17.67	18.68	19.72	20.78	21.86	22.98	
2	14.53	15.46	16.41	17.38	18.38	19.41	20.46	21.53	22,63	23.75	
3	15.22	16.16	17.12	18.11	19.12	20.16	21.22	22.31	23.42	24.56	
4	15.94	16.89	17.86	18.86	19.89	20.94	22.01	23.11	24.23	25.38	4
5	16.68	17.64	18.63	19.64	20.68	21.74	22.83	23.94	25.07	26.23	1
6	17.44	18.42	19.42	20.44	21.49	22.57	23.67	24.79	25.94	27.11	
7	18.23	19.22	20.23	21.27	22.33	23.42	24.53	25.67	26.83	28.01	1
8	19.05	20.05	21.07	22.12	23.20	24.30	25.42	26.57	27.74	28.94	1
9	19.89	20.90	21.94	23.00	24.09	25.20	26.33	27.49	28.68	29.89	1
10	20.75	21.78	22.83	23.90	25.00	26.12	27.27	28,44	29.64	30.86	
11	21.64	22.68	23.74	24.83	25.94	27.07	28.23	29.42	30.63	31.86	
12	22.56	23.61	24.68	25.78	26.90	28.05	29.22	30.42	31.64	32.89	
13	23.49	24.56	25.64	26.75	27.89	29.05	30.23	31.44	32.68	33.94	
14	24.46	25.53	26.63	27.75	28,90	30.07	31.27	32.49	33.74	35.01	
15	25.44	26.53	27.64	28.78	29.94	31.12	32.33	33.57	34.83	36.11	
16	26.46	27.56	28.68	29.83	31.00	32.20	33.42	34.67	35.94	37.23	
17	27.49	28.61	29.74	30.90	32.09	33.30	34.53	35.79	37.07	38.38	
18	28.56	29.68	30.83	32.00	33, 20	34.42	35.67	36.94	38.23	39.56	
19	29.64	30.78	31.94	33.12	34.33	35.57	36.83	38.11	39.42	40.75	
20	30.75	31.90	33.07	34.27	35.49	36.74	38.01	39.31	40.63	41.98	
21	31.89	83.05	34.23	35.44	36.68	37.94	39.22	40.53	41.86	43.22	
22	33.05	34, 22	35.42	36.64	37.89	39.16	40.46	41.78	43.12	44.49	
23	34.23	35.42	36,63	37.86	39.12	40.41	41.72	43.05	44.41	45.79	
24	35.44	36.64	37,86	39.11	40.38	41.68	43.00	44.35	45.72	47.11	
25	36.68	37.89	39.12	40.38	41.67	42,98	44.31	45.67	47.05	48.46	
26	37.94	39.16	40.41	41.68	42.98	44.30	45.64	47.01	48.41	49.83	
27	39.22	40.46	41.72	43.00	44.31	45.64	47.00	48.38	49.79	51.22	
28	40.53	41.78	43.05	44,35	45.67	47.01	48,38	49.78	51.20	52.64	
29	41.86	43.12	44.41	45.72	47.05	48.41	49.79	51.20	52.63	54.09	
30	43.22	44.49	45.79	47.11	48.46	49.83	51.22	52.64	54.09	55.56	
31	44.61	45.89	47.20	48.53	49.89	51.27	52.68	54.11	55.57	57.05	100
32	46.01	47.31	48.43	49.98	51.35	52.74	54.16	55.61	57.07	58.57	
33	47.44	48.75	50.09	51.44	52.83	54.23	55.67	57.12	58.61	60.11	
34	48.90	50.22	51.57	52.94	54.33	55.75	57.20	58.67	60.16	61.68	
35	50.38	51.72	53.07	54.46	55.86	57.30	58.75	60.23	61.74	63.27	
36	51.89	53,23	54.61	56.00	57.42	58.86	60.33	61.83	63.35	64.89	
37	53.42	54.78	56.16	57.57	59.00	60.46	61.94	63.44	64.98	66.53	
38	54.98	56.35	57.74	59.16	60.61	62.07	63.57	65.09	66.63	68.20	
39	56.56	57.94	59.35	60.78	62.23	63.72	65.22	66.75	68.31	69.89	15.5
40	58.16	59.56	60.98	62.42	63.89	65.38	66.90	68.44	70.01	71.60	
41	59.79	61.20	62,63	64.09	65.57	67.07	68.60	70.16	71.74	78.35	1
42	61.44	62.86	64.31	65.78	67.27	68.79	70.33	71.90	73.49	75.11	
43	63.12	64.56	66.01	67.49	69.00	70.53	72.09	73.67	75.27	76.90	
44	64.83	66.27	67.74	69.23	70.75	72.30	73.86	75.46	77.07	78.72	
45	66.56	68,01	69.49	71.00	72.53	74.09	75.67	77.27	78.90	80.56	
46	68.31	69.78	71.27	72.79	74.33	75.90	77.49	79.11	80.75	82.42	1
47	70.09	71.57	73.07	74.60	76.16	77.74	79.35	80.98	82,63	84.31	
48	71.89	73.38	74.90	76.44	78.01	79.60	81.22	82.86	84.53	86.22	
49	73.72	75.22	76.75	78.31	79.89	81.49	83.12	84.78	86.46	88.16	
50	75.57	77.09	78.63	80.20	81.79	83.41	85.05	86.72	88.41	90.12	
-				-							

Feet.	31	32	33	34	35	36	37	38	39	40 •	Feet.
0	23.35	24.49	25.67	26.86	28.09	29.33	80.61	31.90	33.22	84.57	
1 2	24.11 24.90	25.27 26.07	26.46 27.27	27.67 28.49	28.90 29.74	30.16 31.01	31.44 32.31	32.75 33.63	84.09 34.98	35.44 36.35	
3	25.72	26.90	28.11	29.35	30.60	31.89	33.20	34.53	85.89	87.27	3
4	26.56	27.75	28.98	80.22	31.49	32.79	34.11	85.46	36.83	38.22	4
5	27.42	28.63	29.86	31.12	32.41	33.72	85.05	36.41	87.79	89.20	1 1
6	28.31 29.22	29.53 30.46	30.78 31.72	32.05 33.00	33.35 34.31	34.67 35.64	36.01 37.00	37.38 38.38	38.78 39.79	40.20 41.22	6
8	30.16	31.41	32.68	33.98	35.30	36.64	38.01	89.41	40.83	42.27	8
9	31.12	32.38	33.67	34.98	36.31	87.67	39.05	40.46	41.89	43.35	9
10 11	32.11 33.12	33.38 34.41	34.68 35.72	36.00 37.05	37.35 38.41	38.72 39.79	40.11 41.20	41.53 42.63	42.98 44.09	44.44 45.57	
12	34.16	35.46	36.78	38.12	39.49	40.89	42.81	43.75	45.22	46.72	
13	35.22	36.53	37.86	39.22	40.61	42.01	43.44	44.90	46.38	47.89	13
14 15	$36.31 \\ 37.42$	37.63 38.75	38.98 40.11	40.35	$41.74 \\ 42.90$	43.16 44.33	44.61 45.79	46.07 47.27	47.57 48.78	49.09 50.31	
16	88.56	39.90	41.27	42.67	44.09	45.53	47.00	48.49	50.01	51.56	(1
17	39.72	41.07	42.46	43.86	45.30	46.75	48.23	49.74	51.27	52.83	
18	40.90	42.27	43.67	45.09	46.53	48.00	49.49	51.01	52.56	54.12	
19 20	42.11 43.35	43.49 44.74	44.90 46.16	46.33 47.61	47.79 49.07	49.27 50.57	50.78 52.09	52.31 53.63	53.86 55.20	55.44 56.79	
21	44.61	46.01	47.44	48.90	50.38	51.89	53.42	54.98	56.56	58.16	
22	45.89	47.31	48.75	50.22	51.72	53.23	54.78	56.35	57.94	59.56	
23 24	47.20 48.53	48.43 49.98	50.09 51.44	51.57 52.94	53.07 54.46	54.61 56.00	56.16 57.57	57.74 59.16	59.35 60.78	60.98 62.42	
25	49.89	51.35	52.83	54.33	55.86	57.42	59.00	60.61	62.23	68.89	
26	51.27	52.74	54.23	55.75	57.80	58.86	60.46	62.07	63.72	65.38	
27 28	52.68 54.11	54.16 55.61	55.67	57.20 58.67	58.75 60.23	60.33 61.83	$61.94 \\ 63.44$	63.57 65.09	65.22 66.75	66.90 68.44	
29	55.57	57.07	57.12 58.61	60.16	61.74	63.85	64.98	66.63	68.81	70.01	
30	57.05	58.57	60.11	61.68	63.27	64.89	66.53	68.20	69.89	71.60	30
31	58.56	60.09	61.64	63.22	64.83	66.46	68.11	69.79	71.49	73.22	
32 33	60.09 61.64	61.63 63.20	63.20 64.78	64.79 66.38	66.41 68.01	68.05 69.67	69.72 71.35	71.41 73.05	73.12 74.78	74.86 76.53	
34	63.22	64.79	66.38	68.00	69.64	71.31	73.00	74.72	76.46	78.22	34
35	64.83	66.41	68.01	69.64	71.30	72.98	74.68	76.41	78.16	79.94	. 1
36 37	66.46 68.11	68.05 69.72	69.67 71.35	71.31 73.00	72.98 74.68	74.67 76.38	76.38 78.11	78.12 79.86	79.89 81.64	81.68 83.44	
88	69.79	71.41	73.05	74.72	76.41	78.12	79.86	81.63	83.42	85.23	38
39 40	71.49 73.22	73.12	74.78	76.46	78.16	79.89	81.64	83.42	85.22	87.05 88.89	
41	74.98	74.86 76.63	76.53 78.31	78.22 80.01	79.94 81.74	81.68 83.49	83.44 85.27	85.23 87.07	87.05 88.90	90.75	
42	76.75	78.42	80.11	81.83	83.57	85.33	87.12	88.94	90.78	92.64	
43	78.56	80.23	81.94	83.67	85.42	87.20	89.00	90.83	92.68	94.56	
44 45	80.38 82.23	82.07 83.94	83.79 85.67	85.53 87.42	87.30 89.20	89.09 91.00	90.90 92.83	92.74 94.68	94.60 96.56	96.49 98.46	
46	84.11	85.83	87.57	89.33	91.12	92.94	94.78	96.64		100.44	
47	86.01	87.74	89.49	91.27	93.07	94.90	96.75	98.63	100.53	102.46	47
48 49	87.94 89.89	89.68 91.64	91.44 98.42	93.23 95.22	95.05 97.05	96.89				104.49 106.56	
50	91.86	98.68	95.42	97.23						108.64	
	31	32	33	34	35	36	37	38	39	40	

Feet.	41	42	43	44	45	46	47	48	49	50	Feet.
0	35.94	37.33	38.75	40.20	41.67	43.16	44.68	46.22	47.79	49.38	-
1	36.83	38.23	39.67	41.12	42.61	44.11	45.64	47.20	48.78	50.38	
2	37.74	39.16	40.61	42.07	43.57	45.09	46.63	48.20	49.79	51.41	1 5
3	38.68	40.11	41.57	43.05	44.56	46.09	47.64	49.22	50.83	52.46	
4	39.64	41.09	42.56	44.05	45.57	47.11	48.68	50.27	51.89	53.53	1
5	40.63	42.09	43.57	45.07	46.61	48.16	49.74	51.35	52.98	54.63	
6	41.64	43.11	44.61	46.12	47.67	49.23	50.83	52.44	54.09	55.75	1
7	42.68	44.16	45.67	47,20	48.75	50.33	51.94	53.57	55.22	56.90	1
8	43.74	45.23	46.75	48.30	49.86	51.46	53.07	54.72	56.38	58.07	1
9	44.83	46.33	47.86	49.42	51.00	52,61	54.23	55.89	57.57	59.27	1
10	45.94	47.46	49.00	50.57	52,16	53.78	55.42	57.09	58.78	60.49	1
11	47.07	48.61	50.16	51.74	53.35	54.98	56.63	58.31	60.11	61.74	1
12		49.78	51.35	52.94	54.56	56.20	57.86	59.56	61.27	63.01	
13	49.42	50.98	52.56	54.16	55.79	57.44	59.12	60.83	62.56	64.31	
14	50.63	52.20	53.79	55.41	57.05	58.72	60.41	62.12	63.86	65.63	
15	51.86	53.44	55.05	56.68	58.33	60.01	61.72	63.44	65.20	66.98	
16	53.12	54.72	56.33	57.98	59.64	61.33	63.05	64.79	66.56	68.35	1.
17	54.41	56.01	57.64	59.30	60.98	62.68	64.41	66.16	67.94	69.74	
18	55.72	57.33	58.98	60.64	62.33	64.05	65.79	67.56	69.35	71.16	
19	57.05	58.68	60.33	62.01	63.72	65.44	67.20	68.98	70.78	72.60	
20	58.41	60.05	61.72	63.41	65.12	66.86	68.63	70.42	72.23	74.07	
21	59.79	61.44	63.12	64.83	66.56	68.31	70.09	71.89	73.72	75.57	
22	61.20	62.86	64.56	66.27	68.01	69.78	71.57	73.38	75.22	77.09	
23	62.63	64.31	66.01	67.74	69.49	71.27	73.07	74.90	76.75	78.63	
24	64.09	65.78	67.49	69.23	71.00	72.79	74.60	76.44	78.31	80.20	
25	65.59	67.27	69.00	70.75	72.53	74.83	76.16	78.01	79.89	81.79	
26	67.07	68.79	70.53	72.30	74.09	75.90	77.74	79.60	81.49	83.41	100
27	68.60	70.33	72.09	73.86	75.67	77.49	79.35	81.22	83.12	85.05	
28	70.16	71.90	73.67	75.46	77.27	79.11	80.98	82.86	84.78	86.72	
29	71.74	73.49	75.27	77.07	78.90	80.75	82.63	84.53	86.46	88.41	
30	73.35	75.11	76.90	78.72	80.56	82.42	84.31	86.22	88.16	90.12	
	1 S. C. C. C. C. C.	5,375.21			82.23	Julia Ul	86.01	919 1 5 11		a comment from the	
31	74.98	76.75	78.56	80.38		84.11		87.94	89.89	91.86	
32 33	76.63	78.42	80.23	82.07	83.94 85.67	85.83 87.57	87.74 89.49	89.68	91.64	93.63	
34	78.31	80.11	81.94	83.79 85.53	87.42	89.33	91.27	91.44	93.42 95.22	95.42	
35	80.01	81.83 83.57	83.67 85.42	87.30	89.20	91.12	93.07	93,23 95,05	97.05	97.23 99.07	
	81.74	Mary Control	N 10 10 1		TO COME C	100000000000000000000000000000000000000	ALC: UNKNOWN	Tarifful Carlos		17/14/17/04 (14)	15.
36	83.49	85.33	87.20	89.09	91.00	92.94	94.90	96.89		100.94	
37	85.27	87.12	89.00	90.90	92.88					102.83	
38	87.07	88.94	90.83	92.74	94.68	7 6 7 7	100000000000000000000000000000000000000	100.64			
39	88.90	90.78	92.68	94.60	96.56	2012 2012		102.56			
40	90.75	92.64	94.56	96.49	35.1050	100.44	5. 4.70.1	100 2000	The second	Artist Comments	-
41	92.63	94.53	96.46			102.38					
42	94.53	96.44				104.35					
43						106.33					
44		100.35									
	100.38	The state of the s			1000000	C C C C C C C C C C C C C C C C C C C					1
	102.38										
47	104.41	106.38	108.38	110.41	112.46	114.53	116.63	118.75	120.90	123.07	4
48	106.46	108,44	110.46	112.49	114.56	116.64	118.75	120.89	123,05	125.23	4
49	108.53	110.53	112.56	114.60	116.68	118.78	120.90	123.05	125.22	127.42	4
	110.63										
		-									L
	41	42	43	44	45	46	47	48	49	50	

Feet,	1	2	3	4	5	6	7	8	9	10	Feet.
0	0.39	0.81	1.28	1.78	2.31	2.89	3.50	4.15	4.83	5.55	-
1	0.80	1.24	1.72	2.24	2.80	3.39	4.02	4.68	5.39	6.13	
2	1.24	1.70	2.20	2.74	3.31	3.92	4.57	5.26	5.98	6.74	1
3	1.72	2.20	2.72	3.28	3.87	4.50	5.17	5.87	6.61	7.39	1
4	2.24	2.74	3.28	3.85	4,46	5.11	5.80	6.52	7.28	8.07	
5	2.80	3.31	3.87	4.46	5.09	5.76	6.46	7.20	7.98	8.80	9
6	8.39	3.92	4.50	5.11	5.76	6.44	7.17	7.92	8.72	9.55	h
7	4.02	4.57	5.17	5.80	6.46	7,17	7.91	8.68	9.50	10.35	1
8	4.68	5.26	5.87	6.52	7.20	7.92	8.68	9.48	10.31	11.18	
9	5.39	5.98	6.61	7.28	7.98	8.72	9.50	10.31	11.16	12.05	
10	6.13	6.74	7.39	8.07	8.80	9.55	10.35	11.18	12.05	12.96	1
11	6.91	7.54	8.20	8.91	9.65	10.42	11.24	12.09	12.98	13.91	1
12	7.72	8.37	9.05	9.78	10.54	11.33	12.17	13.04	13.94	14.89	
13	8.57	9.24	9.94	10.68	11.46	12.28	13.13	14.02	14.94	15.91	
14	9.46	10.15	10.87	11.63	12.42	13.26	14.13	15.04	15.98	16.96	
15	10.39	11.09	11.83	12.61	13.42	14.28	15.17	16.09	17.05	18.05	1
16	11.35	12.07	12.83	13.63	14.46	15.33	16.24	17.18	18, 16	19.18	1
17	12.35	13.09	13.87	14.68	15.54	16.42	17.85	18.31	19.31	20.35	
18	13.39	14.15	14.94	15.78	16.65	17.55	18.50	19.48	20.50	21.55	
19	14.46	15,24	16.05	16.91	17.80	18.72	19.68	20.68	21.72	22.80	
20	15.57	16.87	17.20	18.07	18.98	19.92	20.91	21.92	22.98	24.07	
21	16.72	17.54	18.39	19.28	20.20	21.17	22.17	23.20	24.28	25.39	
22	17.91	18.74	19.61	20.52	21.46	22.44	23.46	24.52	25.61	26.74	
23	19.13	19.98	20.87	21.80	22.76	23.76	24.80	25.87	26.98	28.13	
24	20.39	21.26	22.17	23.11	24.09	25.11	26.17	27.26	28.39	29.55	
25	21.68	22.57	23.50	24,46	25.46	26.50	27.57	28.68	29.83	31.11	
26	23.02	23,92	24.87	25.85	26.87	27.92	29.02	30.15	31.31	32.52	
27	24.39	25.31	26.28	27.28	28.31	29.39	30.50	31.65	32.13	34.05	
28	25.79	26.74	27.72	28.74	29.80	30.89	32.02	33.18	34.39	35.63	
29	27,24	28.20	29.20	30.24	31.31	32.43	33.57	34.76	35.98	37.24	
30	28.72	29.70	30.72	31.78	32.87	34.00	35.17	36.37	37.61	38.89	
31	30.24	PST COLD	32.28	1.77.31.2	UTUZ 1101	(C'2-1)	1000000	100	A CONTRACTOR OF THE PARTY OF TH	Denet.	1
32	31.80	31.24 32.81	33.87	33,35	34.46	35.61	36.80	38.02	39,28	40.57	
33	33.39	34.43	35.50	36.61	36.09 37.76	37.26 38.94	$38.46 \\ 40.17$	$\frac{39.70}{41.42}$	40.98 42.72	42.30	
34	35.02	36.07	37.17	38.30	39.46	40.67	41.91	43.18	44.50	45.85	
35	36.68	87.76	38.87	40.02	41.20	42.42	43.68	44.98	46.31	47.68	
- 1		200 100		10000	100 20 100 20	A CONTRACTOR	N 10 7 -01	1.00	200	A. A. S.	100
36 37	38.39	39.48	40.61	41.78	42.98	44.22	45.50	46.81	48.17	49.55	
38	40.13	$41.24 \\ 43.04$	42.39 44.20	43.57	44.80	46.05	47.35	48.68	50.05	51.46	
39	$41.91 \\ 43.72$	44.87	46.05	45.41	46.65	47.92	49.24	50.59	51.98	53.91	
10	45.57	46.74	47.94	47,28 49,18	48.54	49.83	51.17	52.54	53.94	55.89	
	0.00	1. 4. 1. 5. 1. 1	10000		50.46	51.78	53.13	54.52	55.94	57.41	
41	47.46	48.65	49.87	51.13	52.42	53.76	55.13	56.54	57.98	59.46	
42	49.39	50.59	51.83	53,11	54.42	55.78	57.17	58.59	60.05	61.55	
43	51.85	52.57	53.88	55.13	56.46	57.83	59.24	60.68	62.17	63.68	
44	55, 35	54.59	55.87	57.18	58.54	59.92	61.35	62.81	64.31	65.85	
1001	55.39	56.65	57.94	59.28	60.65	62.05	63.50	64.98	66.50	68.05	100
46	57.46	58.74	60.05	61.41	62.80	64, 22	65.68	67.18	68.72	70.30	
47	59.57	60.87	62.20	63.57	64.98	66.42	67.91	69.42	70.98	72.57	
48	61.72	63.04	64.39	65.78	67.20	68.67	70.17	71.70	73.28	74.89	
49	63,91	65.24	66.61	68.02	69.46	70.94	72.46	74.02	75.61	77.24	
50	66.13	67.48	68.87	70.30	71.76	73.26	74.80	76.37	77.98	79.63	0
					-						-

Feet.	11	12	13	. 14	15	16	17	18	19	20	Feet.
0	6.31	7.11	7.94	8.81	9.72	10.67	11.65	12.67	13.72	14.81	1
1	6.91	7.72	8.57	9.46	10.39	11.35	12.35	13.39	14.46	15.57	1
2	7.54	8.37	9.24	10.15	11.09	12.07	13.09	14.15	15.24	16.37	
3	8.20	9.05	9.94	10.87	11.83	12.83	13.87	14.94	16.05	17.20	1
4	8.91	9.78	10.68	11.63	12.61	13.63	14.68	15.78	16,91	18.07	
5	9.65	10.54	11.46	12.42	13.42	14.46	15.54	16.65	17.80	18.98	
6	10.42	11.33	12.28	13.26	14.28	15.33	16.42	17.55	18,72	19.92	6
7	11.24	12.17	13.13	14.13	15.17	16.24	17.35	18.50	19.68	20.91	
8	12.09	13.04	14.02	15.04	16.09	17.18	18.31	19.48	20.68	21.92	
9	12.98	13.94	14.94	15.98	17.05	18.16	19.31	20.50	21.72	22.98	5
10	13.91	14.89	15.91	16.96	18.05	19.18	20.35	21.55	22.80	24.07	
11	14.87	15.87	16.91	17.98	19.09	20.24	21.42	22.65	23.91	25.20	11
12	15.87	16.89	17.94	19.03	20.17	21.33	22.54	23.78	25.05	26,37	
13	16.91	17.94	19.02	20.13	21.28	22.46	23.68	24.94	26.24	27.57	
14	17.98	19.03	20.13	21.26	22.42	23.63	24.87	26.15	27.46	28.81	
15	19.09	20.17	21.28	22.42	23.61	24.83	26.09	27.39	28.72	30.09	
16	20.24	21.33	22.46	23.63	24.83	26.07	27.35	28.67	30.02	31.41	16
17	21.42	22.54	23.68	24.87	26.09	27.85	28.65	29.98	31.35	32.76	
18	22.65	23.78	24.94	26.15	27.39	28.67	29.98	31.33	32.72	34.15	
19	23.91	25.05	26.24	27.46	28.72	30.02	31.35	32.72	34.13	35.57	
20	25.20	26.37	27.57	28.81	30.09	31.41	32.76	34.15	35.57	37.04	
21	26.54	27.72	28.94	30.20	31.50	32.83	34.20	35.61	37.05	38.54	1.5
22	27.91	29.11	30.35	31.63	32.94	34.30	35.68	37.11	38.57	40.07	
23	29.31	30.54	31.79	33.09	34.42	35.80	37.20	38,65	40.13	41.65	
24	30.76	32.00	33.28	84.59	35.94	37.33	38.76	40.22	41.72	43.26	
25	32.24	33.50	34.79	36.13	37.50	38.91	40.35	41.83	43.35	44.91	
26	33.76	35.03	36.35	37.70	39.09	40.52	41.98	43.48	45.02	46.59	26
27	35.31	36.61	37.94	39.31	40.72	42.17	43.65	45.17	46.72	48.31	
28	36.91	38.22	39.57	40.96	42.39	43.85	45.35	46,89	48.46	50.07	
29	38.54	39.87	41.24	42.65	44.09	45.57	47.07	48.65	50.24	51.87	
30	40.20	41.55	42.94	44.37	45.83	47.33	48.87	50.44	52.05	53.70	
31	41.91	43.28	44.68	46.13	47.61	49.13	50.68	52.28	53.91	55.57	31
32	43.65	45.03	46.46	47.92	49.42	50.96	52.54	54.15	55.80	57.48	
33	45.42	46.83	48.28	49.76	51.28	52.83	54.42	56.05	57.72	59.42	
34	47.24	48.67	50.13	51.63	53,17	54.74	56.35	58.00	59.68	61.41	
35	49.09	50.54	52.02	53.54	55.09	56.68	58.31	59.98	61.68	63.31	
36	50.98	52.44	53.94	55.48	57.05	58.67	60.31	62.00	63.61	65.48	36
37	52.91	54.39	55.91	57.46	59.05	60.68	62.35	63.94	65.80	67.57	
38	54.87	56.37	57.91	59.48	61.09	62.74	64.31	66.15	67.91	69.70	
39	56.87	58.39	59.94	61.54	63.17	64.72	66.54	68.28	70.05	71.87	
40	58.91	60.44	62.02	63.63	65.28	66.96	68.68	70.44	72.24	74.07	
41	60.98	62.54	64.13	65.76	67.42	69.13	70.87	72.65	74.46	76.31	
42	63.09	64.67	66.28	67.92	69.61	71.33	78.09	74.89	76.72	78.59	
43	65.24	66.83	68.46	70.13	71.83	73.57	75.35	77.17	79.02	80.91	
44	67.42	69.03	70.68	72.87	74.09	75.85	77.65	79.48	81.35	83.26	
45	69.45	71.28	72.94	74.65	76.39	78.17	79.98	81.83	83.72	85.65	
16	71.91	73.55	75.24	76.96	78,72	80.52	82.35	84.22	86.13	88.07	
47	74.20	75.89	77.57	79.31	81.09	82.91	84.76	86.65	88.57	90.54	
18	76.54	78.22	79.94	81.70	83.50	85.33	87.20	89.11	91.05	93.04	
19	78.91	80.61	82.35	84.13	85.94	87.80	89.68	91.61	93.57	95.57	
50	81.31	83.04	84.80	86.59	88.42	90.30	92.20	94.15	96.13	98.15	
+	11	12	13	14	15	16	17	18	19	20	-

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Feet.	21	22	23	24	25	26	27	28	29	30	Post,
0	15.94	17.11	18.31	19.55	20,83	22,15	23.50	24.89	26.31	27.78	-
1	16.72	17.91	19.13		21.68	23.02	24.39	25.79	27.24	28.72	1
2	17.54	18.74	19.98	21.26	22.57	23,92	25.31	26.74	28.20	29.70	2
3	18.39	19,61	20.87	22.17	23.50	24.87	26.28	27.72	29.20	30.72	8
4	19.28	20.52	21.80	23.11	24.46	25.85	27.28	28.74	30.24	31.78	4
5	20.20	21.46	22.76	24.09	25.46	26.87	28.31	29.80	31.31	32.87	0
6	21.17	22.44	23.76	25.11	26.50	27.92	29.39	30.89	32.43	34.00	6
7	22.17	23.46	24.80	26.17	27.57	29.02	30.50	32.02	33.57	85.17	7
8	23.20	24.52	25.87	27.26	28.68	30.15	31.65	33.18	34.76		8
9	24.28	25.61	26.98	28.39	29.83	31.31	32,13	34.39		37.61	9
10	25.39	26.74	28.13	29.55	31.11	32.52	34.05	35.63	37.24	38.89	10
11	26.54	27.91	29.31	30.76	32.24	33.76	35.31	36.91	38.54	40.20	L
12	27.72	29.11	30.54	32.00	33.50	35.03	36.61	38.22	39.87	41.55	
13	28.94	30.35	31.79	33.28	34.79	36.35	37.94	39.57	41.24	42.94	
14	30.20	31.63	33.09	34.59	36.13	37.70	39.31	40.96	42.65	44.37	
15	31.50	32.94	34,42	35.94	37.50	39.09	40.72	42.39	44.09	45,83	
	16 S. N. V.	2000	Productive	1000	12.00		10.00	150500	100000	1500000	10.0
16	32.83	34.30	35.80	37.33	38.91	40.52	42.17	43.85	45.57	47.33	
17	34.20	85.68	37.20	38.76	40.35	41.98	43.65		47.09	50.44	
18	35.61	37.11	38.65	40.22	41.83	48.48	45.17	46.89	48.65 50.24	52.05	
19 20	37.05	38.57	40.13	$41.72 \\ 43.26$	44.91	46.59	48.31	50.07	51.87	53.70	
- 1	38.54	40.07	41.65	10 44 133	1.50 625		C-16-16-18	100	16 42 67	100 000 000	
21	40.05	41.61	43.20	44.83	46.50	48.20	49.94	51.72	53.54	55.39	
22	41.61	43.18	44.80	46.44	48.13	49.85	51.61	53.41	55.24	57.11	
23	43.20	44.80	46.42	48.09	49.80	51.54	58.81	55.13	56.98	58.87	
24	44,83	46.44	48.09	49.78	51.50	53.26	55.05	56.89	58.76	60.67	
25	46,50	48, 13	49.80	51.50	53.24	55.02	56.83	58.68	60.57	62.39	24
26	48,20	49.85	51.54	53.26	55.02	56.81	58.65	60.52	62.31	64.37	
27	49,94	51,61	53.31	55.05	56.83	58.65	60.50	62.28	64.31	66.28	
28	51.72	53,41	55.13	56.89	58.68	60.52	62.28	64.30	66.24	68.12	
29	53.54	55.24	56.98	58.76	60.57	62.31	64.31	66.24	68.20	70.20	25
30	55.39	57.11	58.87	60.67	62.39	64.37	66.28	68.12	70.20	72.22	30
31	57.28	59.02	60.80	62.50	64.46	66.35	68.28	70.24	72.24	74.28	31
32	59.20	60.96	62.65	64.59	66.46	68.37	70.31	72.30	74.31	76.37	32
33	61.17	62.83	64.76	66.61	68.50	70.42	72.39	74.39	76.42	78.50	38
34	63.05	64.96	66.80	68.67	70.57	72.52	74.50	76.52	78.57	80.67	34
35	65,20	67.02	68.87	70.76	72.68	74.65	76.65	78.68	80.76	82.87	3.5
36	67.28	69.11	70.98	72.89	74.83	76.81	78.83	80.89	82.98	85.11	36
37	69.39	71.24	73:13	75.05	77.02	79.02	81.05	83.13	85.24	87.39	
38	71.54	73.41	75.81	77.26	79.24	81.26	83.31	85.41	87.54	89.70	
39	78.72	75.61	77.54	79.50	81.50	83.54	85.61	87.72	89.87	92.05	
40	75.94	77.85	79.80	81.78	83.80	85.85	87.94	90.07	92.24	94.44	
41	78.20	80.13	82.09	84.09	86.13	88.20	90.31	92.46	94.65	96.87	41
42	80.50	82.44	84.42	86.44	88.50	90.59	92.72	94.89	97.09	99.33	
43	82.83	84.80	86.80	88.83	90.91	93.02	95.17	97.85		101.83	
44	85.20	87.18	89.20	91.26	93.35	95.48	97.65		102.09		
45	87.61	89.61	91.65	93.72	95.88				104.65		
46	A characteristic		100 miles 100		C. D. T. C.				Martin Comment	1000	1.3
	90.05	92.07	94.13	96.22					107.24		
$\frac{47}{48}$	92.54	94.57	96.65		100.91						
49	95,05	97.11	101 90	101.88	108.50	100.70	110 61	110.22	115 94	117 61	40
	97.61		101.80 104.42								
ou	100.20	102.30	104.42	100.09	100.80	111,04	110.01	110.03	117.00	140.07	1
	21	22	23	24	25	26	27	28	29	30	Г

Foet.	31	32	33	34	35	36	37	38	39	40	Poor
0	29.28	30.81	32.39	34.00	35.65	37.37	39.05	40,81	42.61	44.44	1
1	30.24	31.80	33.39	35.02	36.68	38.39	40.13	41.91	43.72	45.57	
2	31.24	32.81	34.43	36.07	37.76	39.48	41.24	43.04	44.87	46.74	
3	32.28	33.87	35.50	37.17	38.87	40.61	42.39	44.20	46.05	47.94	1
4	83.85	34.96	36.61	38.30	40.02	41.78	43.57	45.41	47.28	49.18	ŀ
5	34.46	36.09	37.76	39.46	41.20	42.98	44.80	46.65	48.54	50.46	-
6	35.61	37.26	38.94	40.67	42.42	44.22	46.05	47.92	49.83	51.78	
7	36.80	38.46	40.17	41.91	43.68	45.50	47.35	49.24	51.17	53.13	0
8	38.02	39.70	41.42	43.18	44.98	46.81	48.68	50.59	52.54	54.52	1
9	39.28	40.98	42.72	44.50	46.31	48.17	50.05	51.98	53.94	55.94	
10	40.57	42.30	44.05	45.85	47.68	49.55	51.46	53.41	55.39	57.41	1
11	41.91	43.65	45.42	47.24	49.09	50.98	52.91	54.87	56.87	58.91	1
12	43.28	45.03	46.88	48.67	50.54	52.44	54.39	56.37	58.39	60.44	1
13	44.68	46.46	48.28	50.13	52.02		55.91	57.91	59.94		
14	46.13	47.92	49.76	51.63	53.54	55.48	57.46	59.48	61.54	63.63	1
15	47.61	49.42	51.28	53.17	55.09	57.05	59.05	61.09	63.17	65.28	1
16	49.13	50.96	52.83	54.74	56.68	58.67	60.68	62.74	64.72	66.96	1
17	50.68	52.54	54.42	56.35	58.31	60.31	62.35	64.31	66.54	68.68	
18	52.28	54.15	56.05	58.00	59.98	62.00	63.94	66.15	68.28	70.44	
19	53.91	55.80	57.72	59.68	61.68	1000	65.80	67.91	70.05	72.24	
20	55.57	57.48	59.42	61.41	63.31	65.48	67.57	69.70	71.87	74.07	
21	100000000000000000000000000000000000000	59.20	61.17	63.05	65.20	1000	69.39	71.54	73.72	75.94	1.
22	57.28			64.96	67.02	69.11	71.24	73,41	75.61	77.85	
23	59.02	60.96	62.83	66.80		70.98	73.13	75.31	77.54	79.80	
24	60.80	62.65	64.76	68.67	68.87 70.76		75.05	77.26	79.50		
	62.50	64.59	66,61		72.68	The second second	77.02	79.24	81.50	83.80	
25	64.46	1000000	68.50	70.57	No. of the last	Mark Co.			140000000000000000000000000000000000000		
26	66.35	68.37	70.42	72.52	74.65		79.02	81.26	83.54		
27	68.28	70.31	72.39	74.50	76.65		81.05	83.31	85.61	87.94	
28	70.24	72,30	74.39	76.52	78.68		83.13	85.41	87.72	90.07	
29	72.24	74.31	76.42	78.57	80.76		85.24	87.54		92.24	
30	74.28	76.37	78,50	80.67	82.87	85.11	87.39	89.70	92.05	94.44	м
31	76.35	78.46	80.61	82.80	85.01	87.28	89.57	91.91	94.28		
32	78.46	80.59	82.76	84.96	87.20	89.48	91.80	94.15	96.54		
33	80.61	82.76	84.94	87.17	89.42	91.72	94.05	96.42		101.28	
34	82.80	84.96	87.17	89,41	91.68					103.63	
35	85.01	87.20	89.42	91.68	93.98	96.31	98.68	101.09	103.54	106,02	3
36	87.28	89.48	91.72	94.00	96.31	98.67	101.05	103.48	105.94	108.44	3
37	89.57	91.80	94.05	96.35	98.68	101.05	103.46	105.91	108.39	110.91	3
38	91.91	94.15	96.42	98.74	101.09	103.48	105.91	108.37	110.87	113,41	3
39	94.28	96.54	98.83	101.17	103.54	105.94	108.39	110.87	113.39	115.94	3
10	96.68	98.96	101.28	103.63	106.02	108.44	110.91	113.41	115.94	118.52	4
11	99.13	101.42	103.76	106.13	108.54	110.98	113.46	115.98	118.54	121.13	4
		103.92									
		106.46									
		109.04									
15	109.28	111.65	114.05	116.50	118.98	121.50	124.05	126,65	129,28	131.94	4
		114.30									
		116.98									
		119.70									
49	120 02	122.46	124 04	127 46	130 09	132 61	135 24	137.91	140.61	143.35	4
		125.26									
-		-		1			3.5				-
	31	32	33	34	35	36	37	38	39	40	П

Feet	41	42	43	44	45	46	47	48	49	50	Poet.
0	46.31	48.22	50.17	52.15	54.17	56.22	58.31	60.44	62,61	64.81	-
1	47.46	49.39	51.35	53.35	55.89	57.46	59.57	61.72	63.91	66.13	10
2	48.65	50.59	52.57	54.59	56.65	58.74	60.87	63.04	65.24	67.48	1
3	49.87	51.83	53.83	55.87	57.94	60.05	62.20	64,39	66.61	68.87	
4	51.13	53.11	55.13	57.18	59.28	61.41	63.57	65.78	68.02	70.30	1
5	52,42	54.42	56.46	58.54	60.65	62.80	64.98	67.20		71.76	
6	53.76	55.78	57.83	59.92	62.05	64.22	66.42	68.67	70.94	73.26	
7	55.13	57.17	59.24	61.35	63.50	65.68	67.91	70.17	72.46	74.80	
8	56.54	58.59	60.68	62.81	64.98		69.42	71.70	74.02	76.37	
9	57.98	60.05	62.17	64.31	66.50		70.98	78.28	75.61	77.98	
10	59.46	61.55	63.68	65.85	68.05	70.30	72.57	74.89	77.24	79.63	
11	60.98	63.09	65.24	67.42	69.45	71.91	74.20	76.54	78.91	81.31	1
12	62.54	64.67	66.83	69.08	71.28		75.87	78.22	80.61	83.04	
13	64.13	66.28	68.46	70.68	72.94		77.57	79.94	82.35	84.80	
14	65.76	67.92	70.13	72.37	74.65	76.96	79.31	81.70	84.13	86.59	
15	67.42	69.61	71.83	74.09	76.39	78.72	81.09	83.50	85.94		
- 1	1000	1.00	1000	W. 197 C.C.	20113	100000000000000000000000000000000000000	0.5	1122 212	Charles San 1	1-3+4-110-11	
16	69.13	71.33	73.57	75.85	78.17	80.52	82.91	85.33	87.80	90.30	
17	70.87	73.09	75.35	77.65	79.98	82.35	84.76	87.20	89.68	92.20	
18	72.65	74.89	77.17	79.48	81.83	84.22	86.65	89,11	91.61	94.15	1.2
19	74.46	76.72	79.02	81.35	83.72	86.18	88.57	91.05	93.57	96.13	
20	76.31	78.59	80.91	83.26	85.65	88.07	90.54	93.04	95.57	98.15	2
21	78.20	80.50	82.83	85.20	87.61	90.05	92.54	95.05	97.61	100.20	2
22	80.13	82.44	84.80	87.18	89.61	92.07	94.57	97,11	99.68	102.30	2
23	82.09	84.42	86.80	89.20	91.65	94.13		99.20	101.80	104.42	2
24	84.09	86.44	88.83	91.26	93.72	96.22	98.76	101.33	103.94	106.59	2
25	86.13	88.50	90.91	93.35	95.83	98.35	100.91	103.50	106.13	108.80	2
26	88.20	90.59	93.02	95.48	97.98	100.52	103.09	105.70	108.35	111.04	2
27	90.31	92.72	95.17							113.31	
28	92.46	94.89	97.35							115.63	
29	94.65	97.09	99.57							117.98	
30	96.87	99.33								120.37	
31	99.13	1 22 6 1								122.80	
	101.42	103 92	106.46	109 04	111 65	114 80	116 98	119 70	199 46	125.26	3
33	103.76	106.28	108.83	111.42	114.05	116.79	119 49	199 17	124 94	127.76	3
34	106.13	108.67	111.24	118.85	116.50	119 18	191 91	194 67	197 46	130.30	3
35	108.54	111.09	113.68	116.31	118.98	121.68	124 42	127. 20	130.02	132.87	3
										135.48	
28	115 98	110.00	191 94	109 00	190 05	120.80	129.57	102.09	100.24	138.13	9
39	118 54	191 17	199 99	196 54	100.00	129.41	104.20	100.04	140 61	140.81	9
40	191 13	199 79	196 46	190 19	191 04	104 74	107.57	140 44	140.01	143.54	4
										146.30	
41	123.76	126.42	129.13	131.87	134.65	137.46	140.31	143.20	146.13	149.09	4
42	126.42	129.11	131.83	134.59	137.39	140.22	143,09	146.00	148, 91	151.92	4
										154.80	
44	131.87	134.59	137.35	140.15	142.98	145.85	148.72	151.70	154.68	157.70	4
										160.65	
46	137.46	140.22	143.02	145.85	148.78	151.63	154.57	157.55	160.57	163.63	4
47	140.31	143.09	145.91	148.72	151.65	154.57	157.54	160.54	163.57	166.65	4
48	143.20	146.00	148.80	151.70	154.62	157.55	160.54	163.55	166.61	169.70	4
49	146.13	148.91	151.80	154.68	157.62	160.57	163.63	166.65	169.68	172.80	4
50	149.09	151.92	154.80	157.70	160.65	163.63	166.65	169.70	172.80	175.92	5
_		-		_	_	_		-		-	-
	41	42	43	44	45	46	47				

Feet.	1	2	3	4	5	6	7	8	9	10	Feet.
0	0.40	0.84	1.33	1.88	2.47	3.11	3.80	4.54	5.33	6.17	(
1	0.81	1.28	1.80	2.37	2.99	3.65	4.37	5.13	5.95	6.81	1
2	1.28	1.78	2.32	2.91	3.55	4.25	4.99	5.78	6.62	7.51	1
3	1.80	2.32	2.89	3.51	4.17	4.89	5.65	6.47	7.33	8.25	1
4	2.37	2.91	3.51	4.15	4.84	5.58	6.37	7.21	8.10	9.04	4
5	2.99	3.55	4.17	4.84	5.55	6.32	7.13	8.00	8.91	9.88	1
6	3.65	4.25	4.89	5.58	6.32	7.11	7.95	8.84	9.78	10.76	1
7	4.37	4.99	5.65	6.37	7.13	7.95	8.81	9.78	10.69	11.70	
8	5.13	5.78	6.47	7.21	8.00	8.84	9.78	10.67	11.65	12.69	
9	5.95	6.62	7.33	8.10	8.91	9.78	10.69	11.65	12.67	13.73	
10	6.81	7.51	8.25	9.04	9.88	10.76	11.70	12.69	13.73	14.81	
11	1000	200	9.21	10.02	10.89	11.80	12.76	13.78	14.84	15.95	1
12	7.73	8.44		11.06	11.95	12.89	13.88	14.91	16.00	17.13	
13	8.69	9.43	$10.22 \\ 11.28$	12.15	13.06	14.02	15.04	16.10	17.21	18.37	
14	9.70	10.47		13.28	14.22	15.21	16.25	17.33	18.47	19.65	
	10.76	11.55	12.39		15.43	16.44	17.51	18.62	19.78	20.99	
15	11.88	12.69	13.55	14.47	467 95	10.00	LIST SHALL	V 20 20 11	NOT 12 12 12 12 12 12 12 12 12 12 12 12 12		110
16	13.04	13.88	14.76	15.70	16.69	17.73	18.81	19.95	21.13	22.37	
17	14.25	15.11	16.02	16.99	18.00	19.06	20.17	21.33	22.54	23.80	100
18	15.51	16.39	17.33	18.32	19.36	20.44	21.58	22.76	24.00	25.28	
19	16.81	17.78	18.69	19.70	20.77	21.88	23.04	24.25	25.51	26.81	12.0
20	18.17	19.11	20.10	21.13	22.22	23.36	24.54	25.78	27.06	28,40	20
21	19.58	20.54	21.55	22.62	23.73	24.89	26.10	27.36	28.67	30.02	21
22	21.04	22,02	23.06	24.15	25.28	26.47	27.70	28.99	30.32	31.70	22
23	22.54	23.55	24.62	25.73	26.89	28.10	29.36	30.67	32.02	33,43	28
24	24.10	25.13	26.22	27.36	28.54	29.78	31.06	32.39	33.78	35,21	24
25	25.70	26.76	27.88	29.04	30.25	31.51	32,82	34.17	35.58	37.04	25
26	27.36	28.44	29.58	30.77	32.00	33.28	34.62	36.00	37.43	38.91	26
27	29.06	30.17	31.33	32.54	33.80	35.11	86.47	37.88	39.33	40.84	27
28	30.81	31.95	33.13	34.37	35.65	36.99	38.37	39.80	41.28	42.81	28
29	32.62	33.78	34.99	36.25	37.56	38.91	40.32	41.78	43.28	44.84	29
30	34.47	35.65	36.89	38.18	39.51	40.89	42.32	43.80	45.33	46.91	
31	36.37	37.58	38.73	40.15	41.51	42.91	44.37	45.88	47.43	49.04	31
32	38.32	39.55	40.84	42.18	43.56	44.99	46.47	48.00	49.58	51.21	1
33	40.32	41.58	42.89	44.25	45.65	47.11	48.62	50.17	51.78	53,43	1.0
34	42.37	43.65	44.99	46.37	47.80	49.28	50.82	52.39	54.02	55.70	
35	44.47	45.78	47.13	48.54	50.00	51.51	53.06	54.67	56.32	58.02	
			1000	Carlotte A.	Conference of	2.5		17.00	1000000		
36	46.62	47.95	49.33	50.77	52.25	58.78	55.36	56.99	58.67	60.40	
37	48.81	50.17	51.58	53.04	54.54	56.10	57.70	59.36	61.06	62.81	
38	51.06	52.44	53.88	55.36	56.89	58.47	60.10	61.78	63.51	65.28	
39	53.36	54.76	56.22	57.73	59.28	60.89	62.54	64.25	66.00	67.80	
40	55.70	57.13	58.62	60.15	61.73	63.36	65.04	66.76	68.54	70.37	
41	58.10	59.55	61.06	62.62	64.22	65.88	67.58	69.33	71.13	72.99	
42	60.54	62.02	63.55	65.13	66.77	68.44	70.17	71.95	73.78	75.65	
43	63.04	64.54	66.10	67.70	69.36	71.06	72.81	74.62	76.47	78.37	
44	65.58	67.11	68.69	70.32	72.00	78.78	75.51	77.33	79.21	81.13	
45	68.17	69.73	71.33	72.99	74.69	76.44	78.25	80.10	82.00	83.95	100
46	70.81	72.39	74.02	75.70	77.43	79.21	81.04	82.91	84.84	86.81	46
47	73.51	75.11	76.77	78.47	80.22	82.02	83.88	85.78	87.73	89.73	47
48	76.25	77.88	79.55	81.28	83.06	84.89	86.76	88.69	90.67	92.69	4
49	79.04	80.69	82.39	84.15	85.95	87.80	89.70	91.65	93.65	95.70	45
50	81.88	83.55	85.28	87.06	88.89	90.76	92.69	94.67	96.69	98.76	50
12											_

TABLE XI.—BASE 20.—SLOPES 2 to 1.

1	11	12	13	14	15	16	17	18	19	20	Feet.
2 8 8 3 9 6 6 11 1 7 12 18 8 13 14 20 15 15 16 23 17 25 16 25 27 42 22 33 32 32 34 45 85 85 86 67 64 67 7 7 7 7 7 7 7 7 7 7 7 7 7 7 8 8 15 8 16 8 8 8 8 8 6 8 8 8 8 8 6 8 8 8 8 8	7.06	8.00	8.99	10.02	11.11	12,25	13,43	14.67	15.95	17.28	0
2 8 8 3 9 9 14 10 17 12 18 18 18 18 18 18 18 18 18 18 18 18 18	7.73	8.69	9.70	10.76	11.88	13.04	14.25	15.51	16.81	18.17	1
4 100 101 101 101 101 101 101 101 101 10	8.44		10.47	11.55	12.69	13,88	15.11	16.39	17.78	19.11	2
5 100 6 111 177 112 188 133 191 142 105 155 166 23 177 25 166 23 222 33 34 36 36 45 157 25 25 38 35 57 36 64 36 37 64 46 38 38 38 38 38 38 38 38 38 38 38 38 38	9.21	1 10.22	11,28	12.39	13.55	14.76	16.02	17.33	18.69	20.10	3
6 11 1 2 1 8 1 3 1 9 1 1 4 1 1 1 7 1 2 1 8 1 3 1 9 1 1 4 1 1 1 7 1 2 1 8 1 8 2 6 1 1 1 1 7 2 5 1 8 2 6 6 1 1 2 2 2 3 3 2 3 3 4 5 7 6 4 6 6 8 8 8 8 6 6 9 6 8 8 8 8 6 6 8 8	0.02	2 11.07	12, 15	13.28	14.47	15.70	16.99	18.32	19.70	21.13	4
7 12 18 13 19 11 17 12 18 13 19 14 5 22 13 14 5 22 23 34 44 65 85 86 66 88 88 13 15 17 17 18 18 18 18 18 18 18 18 18 18 18 18 18	0.89	11.95	13.06	14.22	15.43	16.69	18.00	19.36	20.77	22.22	5
7 12 18 13 19 11 17 12 18 13 19 14 5 22 13 14 5 22 23 34 44 65 85 86 66 88 88 13 15 17 17 18 18 18 18 18 18 18 18 18 18 18 18 18	1.80	12.89	14.02	15.21	16.44	17.73	19.06	20.44	21.88	23.36	6
8 13 4 14 11 1 17 12 18 13 19 14 14 20 18 18 26 6 18 18 27 18 26 18 28 28 38 45 77 18 28 28 38 45 78 28 28 38 45 78 38 6 6 26 6 27 6 28 28 28 28 28 28 28 28 28 28 28 28 28	2.77		15.04	16.25	17.51	18.81	20.17	21.58		24.54	7
9 144 15 17 17 18 18 18 18 18 18 18 18 18 18 18 18 18	3.78		16.10	17.33	18,62	19.95	21.33			25.78	8
10	4.84		17.21	18.47	19.78	21.13	22.54		25.51	27.06	9
111 171 181 171 181 181 181 181 181 181	5.95		18.37	19.65	20.99	22.37	23.80		26.81	28.40	
12 18 18 19 11 15 16 17 17 18 18 16 18 17 18 18 18 18 18 18 18 18 18 18 18 18 18	- 1	C. C.	19.58	20.89	22.25	23.65	25.11	26.62	28.17	29.78	m
13 1914 2015 15 23 17 25 18 26 17 25 18 26 27 27 22 28 28 24 36 26 27 42 24 36 35 55 59 36 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	8.32		20.84	22.17	23.55	24.99	26.47	28.00	29.58	31,21	
144 2015 222 31 31 17 2 32 32 32 34 36 36 62 37 64 64 88 84 65 86 88 86 66 88 86 66 88 86 86 86 86 86	9.58		22.15	23.51	24.91	26.37	27.88			32.69	
15 22 16 23 17 25 16 21 27 27 28 28 26 40 48 27 42 22 38 35 55 59 66 62 63 7 64 63 7 64 63 7 64 64 68 88 66 68 68 68 68 68 68 68 68 68 68	0.89		23.51	24.89	26.32	27.80	29.33	30.91	32.54	34.22	
166 23 177 25 188 26 29 289 299 299 299 291 31 322 33 324 36 36 44 46 48 47 48 47 48 4	2.25		24.91	26.32	27.78	29.28	30.84	32.44		35.80	
17 25 18 26 28 29 29 29 29 29 31 31 32 22 33 34 25 26 40 27 42 22 4 36 38 25 26 40 40 27 40 27	-	A CONTRACTOR	C+44, 3049 1		12000	100000	10000000	(C)()4(,1),4()()	CHOICE CO.	100	157
18 26 19 28 28 29 22 21 31 32 323 34 42 4 36 46 26 4 4 47 42 27 48 4 57 49 4 8 40 6 6 40 72 7 41 77 76 41 77 77 84 41 83 42 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6	3.65		26.37	27.80	29.28	30.81	32.39	34.02	35.70	37.43	
19 288 29 29 29 21 31 32 32 34 4 36 6 40 4 8 37 6 4 5 7 6 4 6 7 7 6 4 6 7 7 6 7 7 6 7 7 6 7 7 6 7 7 7 7	5.11		27.88	29.88	30.84	32.39	34.00		37.36	89.11	
20 29 29 29 21 31 31 32 22 33 34 36 64 44 45 85 85 86 68 88 88 69 68 88 69 68 68 68 68 68 68 68 68 68 68 68 68 68	6.62	A Part of the second	29.43	30.91	32.44	34.02	35.65	37.33	39.06	40.84	
21 31 22 33 23 34 24 36 26 40 27 42 28 44 44 46 30 48 31 50 52 52 53 55 59 66 62 67 64 67 64 68 64 68 68 68 68 68	8.17		31.04	32.54	34.10	35.70	37.36	10 miles		42.62	
222 33 34 46 40 47 42 47 77 74 42 48 48 48 48 48 48 48 49 49 49 49 49 49 49 49 49 49 49 49 49	9.78		32.69	34.22	35.80	100	39.11	40.84	42.62	44.44	100
23 344 366 388 364 579 389 669 622 7741 7412 77744 883 845 866 88	1.43		34.39	35.95	37.55	39.21	40.91	42.67	44.47	46.32	
24 36 40 40 40 40 40 40 40 40 40 40 40 40 40	3.13		36,15	37.73	39.36	41.04	42.76	44.54	46,37	48.25	
25 38 44 42 42 44 45 44 45 45 45 45 45 46 88 8 46 46 88 46 8	4.89		37.95	39.55	41.21	42.91	44.67	46.47	48.32	50,22	
26 40 27 42 28 44 46 48 30 48 30 48 31 50 32 52 33 55 34 57 35 69 36 62 37 64 38 69 40 72 41 74 42 77 44 80 44 88 45 85 46 88	6.69		39.80	41.43	43.11	44.84	46.62	48.44	50.32	52.25	
27 42 28 44 49 46 30 48 31 50 32 52 33 55 34 57 35 69 36 62 37 64 38 67 39 69 40 72 41 74 42 77 43 80 44 83 44 83 45 85 46 88	8.55	40.10	41.70	43.36	45.06	46.81	48.62	50.47	52.37	54.32	25
27 42 28 44 29 46 30 48 31 50 32 52 33 55 34 57 35 69 36 62 37 64 38 67 39 69 40 72 41 74 41 74 42 80 44 83 44 83 45 85 46 88	0.44	42.02	48.65	45.33	47.06	48.84	50.67	52.54	54.47	56.44	26
29 46 30 48 31 50 32 52 33 55 34 57 35 59 36 62 37 64 38 67 39 69 40 72 41 74 42 77 43 80 44 83 44 83 46 88	2.40		45.65	47.36	49.11	50.91	52.76	54.67	56.62	58.62	27
30 48 31 50 32 52 33 55 34 57 35 59 36 62 37 64 38 67 39 69 40 72 41 74 42 77 43 80 44 83 45 85 46 88	4.40	46.02	47.70	49.48	51.21	53.04	54.91	56.84	58.81	60.84	28
30 48 31 50 32 52 33 55 34 57 35 59 36 62 37 64 38 67 39 69 40 72 41 74 42 77 43 80 44 83 45 85 46 88	6.44	48.10	49.80	51.55	53.36	55.21	57.11	59.06	61.06	63.11	29
32 52 33 55 34 57 35 59 36 62 37 64 38 67 38 67 40 72 41 74 412 77 43 80 44 83 45 85 46 88	8.55	50.22	51.05	53.73	55.55	57.43	59.36	61.33	63.36	65.43	30
32 52 33 55 34 57 35 59 36 62 37 64 38 67 38 67 40 72 41 74 412 77 43 80 44 83 45 85 46 88	0.69	52.39	54.15	55.95	57.80	59.70	61.65	63.65	65.70	67.80	31
83 55 84 57 85 59 86 62 87 64 88 67 88 67 89 69 940 72 11 74 12 77 143 80 144 83 145 85 146 88	2.89		56.39	58.22	60.10	62.02	64.00	66.02		70.22	
34 57 35 59 36 62 37 64 38 67 39 69 40 72 41 74 42 77 41 80 44 83 45 85	5.13		58.69	60.54	62.44		66.39	68.44		72.69	
35 59 36 62 37 64 38 67 39 69 40 72 41 74 412 77 43 80 44 83 45 85	7.43		61.04	62.91	64.84	66.81	68.84	70.91	73.04	75.21	
36 62 37 64 38 67 39 69 40 72 41 74 42 77 43 80 44 83 45 85	9.78		63.43	65.83	67.28	69.28	71.33	12 12 12 12 12 12		77.78	
37 64 38 67 39 69 40 72 41 74 42 77 43 80 44 83 45 85	2.17		65.88	67.80	69.78	71.80	73.88	76.00	78.17	80.40	1
38 67 39 69 40 72 41 74 42 77 43 80 44 83 45 85 46 88	4.62	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	68.37	70.32	72.32	74.37	100000000000000000000000000000000000000	78.62		83.06	
39 69 40 72 41 74 42 77 43 80 44 83 45 85 46 88	7.11		70.91	72.89	74.91	76.99	76.47	81.28	80.81	85.78	
10 72 11 74 12 77 13 80 14 83 15 85 16 88	9.65		78.51	75.51	77.55	79.65	81.80	84.00		88.54	
41 74 42 77 43 80 44 83 45 85 46 88	2.25		76.15	78.17	80.25	82.37	84.54		89.04	91.36	
12 77 13 80 14 83 15 85 16 88	7.5.5	DECK TO	10 Tutob			40.00	A. 16.75	791.797	11/20 Co. 5 W	The second second	1
13 80 14 83 45 85 46 88	4.89		78.84	80.89	82.99	85.13	87.33	89.58		94.22	
14 83 45 85 46 88	7.58		81.58	83.65	85.78	87.95	90.17	92.44	94.77	97.13	
45 85 46 88	0.32		84.37	86.47	88.62	90.81	98.06			100.10	
16 88	3.11		87.21	89.33	91.51	93.73	96.00		100.69		
7.5	5.95	1 (4) 1 (1) (4) (1)	90.10	92.25	94.44	96.69	100000000000000000000000000000000000000	1 May 1 Carrier	103.78		170
17 91	8.84		98.04	95,21	97.43				106.81		
	1.78		96.02						109.95		
	4.77								113.13		
	7.80								116.37		
100	0.89	103.06	105.28	107.55	109.88	112.25	114.67	117.13	119.65	122.22	50
1	11	12	13	14	15	16	17	18	19	20	

TABLE XI.—BASE 20.—SLOPES 2 to 1.

Feet.	21	22	23	24	25	26	27	28	29	30	Feet.
0	18.67	20.10	21.58	23.11	24.69	26.32	28.00	29.73	31,51	33.33	0
1	19.58	21.04	22.54	24.10	25.70	27.36	29.06	30.81	32.62	34.47	1
2	20.54	22.02	23.55	25.13	26.76	28.44	30.17	31,95	33.78	35.65	2
3	21.55	23.06	24.62	26.22	27.88	29.58	31.33	33,13	34.99	36.89	3
4	22.62	24.15	25.73	27.36	29.04	30.77	32.54	34.37	36.25	38.18	4
5	23.73	25.28	26,89	28,54	30,25	32.00	33.80	85.65	37.56	39.51	5
6	24.89	26.47	28.10	29.78	31.51	33,28	35.11	86.99	38.91	40.89	6
7	26.10	27.70	29.36	31.06	32.82	34.62	36.47	38.37	40.32	42.32	7
8	27.36	28.99	30.67	32.39	34.17	36.00	37.88	39.80	41.78	43.80	8
9	28.67	80.32	32.02	33.78	35.58	37.43	39.33	41.28	43.28	45.33	
10	30.02	31.70	33.48	35.21	37.04	38.91	40.84	42.81	44.84	46.91	10
11	31.43	33.13	34.89	36.69	38.55	40.44	42.40	44.40	46.44	48.55	
12	32.89	34.62	36.39	38.22	40.10	42.02	44.00	46.02	48.10	50.22	12
13	34.39	36.15	37.95	39.80	41.70	43.65	45.65	47.70	49.80	51.95	
14	85,95	37.73	39.55	41.43	43.36	45.33	47.36	49.43	51.55	53.73	
15	37.55	39.36	41.21	43,11	45.06	47.06	49.11	51.21	53.36	55.55	15
16	39.21	41.04	42.91	44.84	46.81	48.84	50.91	53.04	55.21	57.43	
17	40.91	42.76	44.67	46.62	48.62	50.67	52.76	54.91	57.11	59.36	
18	42.67	44.54	46.47	48.44	50.47	52.54	54.67	56.84	59.06	61.33	
19	44.47	46.37	48.32	50.32	52.37	54.47	56.62	58.81	61.06	63.36	
20	46.32	48, 25	50.22	52.25	54.32	56.44	58.62	60.84	62.11	65,43	20
21	48.22	50.17	52.17	54.22	56.32	58.47	60.67	62.91	65.21	67.55	21
22	50.17	52.15	54.17	56.25	58.37	60.54	62.76	65.04	67.36	69.73	22
23	52.17	54.17	56.22	58.32	60.47	62.67	64.91	67.21	69.55	71.95	
24	54.22	56.25	58.32	60.44	62.62	64.84	67.11	69.43	71.80	74.22	
25	56.32	58.37	60.47	62.62	64.81	67.06	69.36	71.70	74.10	76.55	25
26	58.47	60.54	62.67	64.84	67.06	69.33	71.65	74.02	76.44	78.91	26
27	60.67	62.76	64.91	67.11	69.36	71.65	74.00	76.40	78.84	81.33	100
28	62.91	65.04	67.21	69,43	71.70		76.40	78.81	81.28	83.80	
29	65.21	67.36	69.55	71.80	74.10	76.44	78.84	81.28	83.78	86,32	
30	67.55	69.73	71.95	74.22	76.55	78.91	81.33	83.80	86.32	88.89	100
31	69.95	72.15	74.39	76.69	79.04	81.43	83.88	86.37	88.91	91.51	
32	72.39	74.62	76.89	79.21	81.58	84.00	86.47	88.99	91.56		
33	74.89	77.13	79,43	81.78	84.17	86.62	89.11	91,65	94.25	96.89	
34	77.43	79.70	82.02	84.39	86.82	89,28	91.80	94.37	96.99		
35	80.02	82.32	84.66	87.06	89.51	92.00		97.13		102,47	
36	82.67	84.99	87.36	89.78	92.25	94.77	97.33		102.62		7 7
37	85.36	87.70	90.10		95.04		100.17				
38	88.10	90.47	92.89	95.36			103.06				
39	90.89	93.28	95.73				106.00				
40	93.73	96.15			C. C. S. C. S.	2,000,000	108.99	J. Same		A REST OF THE	115
41	96.62						112.02				
42		102.02									
		105.04									
		108.10									
31	hardware to the	111.21	the state of the state of	the first of the second	Prompt yells (while)	the second second	And the second of			the same property	
		114.37									
		117.58									
		120.84									
		124.15									
90	124.84	127.51	130.22	132.99	135.80	138.67	141.58	144.54	147.55	150.62	50
	21	22	23	24	25	26	27	28	29	30	Т

Feet.	31	32	33	34	35	36	37	38	39	40	Feet.
0	35.21	37.14	39.11	41.14	43.21	45.33	47.51	49.73	52.00	54.32	0
1	36.37	38.32	40.32	42.37		46.62	48.81	51.06	53.36	55.70	1
2	37.58	39.55	41.58	43.65		47.95	50.17	52.44	54.76	57.13	2
3	38.84	40.84	42.89	44.99	47.13	49.33	51.58	53.88	56.22	58.62	3
4	40.15	42.18	44.25	46.37	48.54	50.77	53.04	55.36	57.73	60.15	4
5	41.51	43.56	45.65	47.80	50.00	52.25	54.54	56.89	59.28	61.73	1
6	42.91	44.99	47.11	49.28	51.51	53.78	56.10	58.47	60.89	63.36	
7	44.37	46,47	48.62	50.82	53.06	55.36	57.70	60.10	62.54	65.04	
8	45.88	48.00	50.17	52.40	54.67	56.99	59.36	61.78	64.25	66.77	1
9	47.43	49.58	51.78	54.02	56.32	58.67	61.06	63.51	66.00	68.54	
10	49.04	51.21	53.43	55.70	58.02	60.40	62.81	65.28	67.80	70.37	10
11	50.69	52.89	55.13	57.43	59.78	62.17	64.62	67.11	69.65	72.25	11
12	52.40	54.62	56.89	59.21	61.58	64.00	66.47	68.99	71.55	74.17	12
13	54.15	56.39	58.69	61.04	63,43	65.88	68.37	70.91	73.51	76.15	13
14	55.95	58.22	60.54	62.91	65.33	67.80	70.32	72.89	75.51	78.17	
15	57.80	60.10	62.44	64.84	67.28	69.78	72.32	74.91	77.55	80.25	18
16	59.70	62.02	64.39	66.81	69.28	71.80	74.37	76.99	79.65	82.37	16
17	61.65	64.00	66.39	68.84	71.33	73.88	76.47	79.11	81.80	84.54	17
18	68.65	66.02	68.44	70.91	73.43	76.00	78.62	81.28	84.00	86.77	18
19	65.70	68.10	70.54	73.04	75.58	78.17	80.81	83.51	86.25	89.04	15
20	67.80	70.22	72.69	75.21	77.78	80.40	83.06	85.78	88.54	91.36	20
21	69.95	72.39	74.89	77.43	80.02	82.67	85.36	88.10	90.89	93.73	21
22	72.15	74.62	77.18	79.70	82.32	84.99	87.70	90.47	93.28	96.15	29
23	74.40	76.89	79.43	82.02	84.67	87.36	90.10	92.89	95.73	98.62	2
24	76.69	79.21	81.78	84.40	87.06	89.78	92.54	95.36	98.22	101.13	24
25	79.04	81.58	84.17	86.82	89.51	92.25	95.04	97.88	100.76	103.70	2:
26	81.43	84.00	86.62	89.28	92.00	94.77	97.58	100.44	103.36	106.32	26
27	83.88	86.47	89.11	91.80	94.54	97.33	100.17				
28	86.37	88.99	91.65	94.37	97.13		102.81				
29	88.91	91.56	94.25	96.99	99.78	102,62	105.51	108.44	111.48	114.47	25
30	91.51	94.18	96.89	99.65	102.47	105.33	108.25	111.21	114.22	117.28	30
31	94.15	96.84	99.58	102.37	105.21	108.10	111.04	114.02	117.06	120.15	3
32	96.84						113.88				
33	99.58	102.32	105.11	107.95	110.84	113.78	116.77	119.80	122.89	126,02	38
34	102.37	105.14	107.95	110.81	113.73	116,69	119.70	122.77	125.88	129.04	34
35	105.21	108.00	110.84	113.73	116.67	119.65	122.69	125.78	128.91	132.10	3
36	108.10	110.91	113.78	116.69	119.65	122.67	125.73	128.84	132.00	135.21	30
		113.88									
		116.89									
39	117.06	119.95	122.89	125.88	128.91	132.00	135.13	138.32	141.55	144.84	35
40	120.15	123.06	126.02	129.04	132.10	135.21	138.37	141.58	144.84	148.15	41
41	123.28	126.22	129.21	132.25	135.33	138.47	141.65	144.89	148.18	151.51	4
		129.43									
43	129.70	132.69	135.73	138.81	141.95	145.13	148.37	151.65	154.99	158,37	4
44	132.99	136.00	139.06	142.17	145.33	148.54	151.80	155.11	158.47	161.88	4
45	136.32	139.36	142.44	145.58	148.77	152.00	155.28	158.62	162.00	165.43	4.
		142.77					170 . 70 . 77	1000	A STATE OF THE PARTY OF	141-202-1-127-1	100
		146.22									
		149.73									
49	150.15	153.28	156.47	159.70	162.99	166.32	169.70	173.13	176.62	180.15	45
		156.89									
		10.00	11.00 A		200						-
	9.5	2000	9		1	100	1.00		100	100000	

Feet	41	42	43	44	45	46	47	48	49	50	Feet.
0	56.69	59.11	62.58	64.10	66.67	69.28	71.95	74.67	77.43	80.25	-
1	58.10	60.54	63.04	65.58	68.17	70.81	73.51	76.25	79.04	81.88	1
2	59.55	62.02	64.54	67.11	69.78	72.39	75.11	77.88	80.69	83.55	2
3	61.06	63.55	66.10	68.69	71.33	74.02	76.77	79.55	82.39	85.28	3
4	62.62	65.13	67.70	70.32	72.99	75.70	78.47	81.28	84.15	87.06	4
5	64.22	66.77	69.36	72.00	74.69	77.43	80.22	83.06	85.95	88.89	5
6	65.88	68.44	71.06	73.73	76.44	79.21	82.02	84.89	87.80	90.76	6
7	67.58	70.17	72.81	75.51	78.25	81.04	83.88	86,76	89.70	92.69	7
8	69.33	71.95	74.62	77.33	80.10	82.91	85.78	88.69	91.65	94.67	8
9	71.13	73.78	76.47	79.21	82.00	84.84	87.73	90.67	93.65	96.69	9
10	72.99	75.65	78.37	81.13	83,95	86.81	89.73	92,69	95.70	98.76	10
11	74.89	77.58	80.32	83.11	85.95	88.84	91.78	94.77	97.80	100.89	11
12	76.84	79.55	82.32	85.13	88.00	90.91	93.88	96.89	99.95	103.06	12
13	78.84	81.58	84.37	87.21	90.10	93.04	96.02	99.06	102.15	105.28	13
14	80.89	83.65	86.47	89.33	92.25	95.21	98.22	101.28	104.39	107.55	14
15	82.99	85.78	88.62	91.51	94.44	97.43	100.47	103.55	106.69	109.88	15
16	85.13	87.95	90.81	93.73	96.69	99.70	102.76	105.88	109.04	112, 25	16
17	87.33	90.17	93.06	10.4000 200			105.11				
18	89.58	92.44					107.51				
19	91.88	94.77					109.95				
20	94.22	97.13	100.10	103.11	106.17	109.28	112.44	115.65	118.91	122.22	20
21	96.62	99 55	109.54	105 58	108.67	111.80	114.99	118.22	121.51	124.84	21
22		102.02	105 04	108 10	111.21	114.37	117.58	120.84	124.15	127.51	29
		104.54									
		107.11									
25	106.69	109.73	112.81	115.95	119.14	122.37	125.65	128.99	132.37	135.80	25
- 1	- CALL	112.40			DE TOTAL	THE STATE OF THE STATE OF	15 000 1 10		trends to be the		
		115.11									
		117.88									
		120.69									
30	190 40	123.56	126 77	130 02	133.33	136.69	140.10	143.56	147.06	150.62	30
		126.47									
		129.43 132.44									
		135.51									
		138.62									
	C				The second second	100	11 -000	part of the second	- 14-17		
		141.78									
37	141.65	144.99	148.37	151.80	150.28	108.82	162.40	166.02	169.70	178.48	37
86	144.89	148.25	151.65	150.11	100.62	165 50	100.78	179 90	176.13	190.89	36
40	148.18	151.56	159 97	100.47	102.00	169 04	179 60	176 40	180 15	182 95	46
		154.91									
		158,32									
		161.78									
13	161.80	165.28	158.81	172.39	176.02	100.70	100.45	100 01	101.04	100 07	48
44	165.33	168.84	172.39	176.00	109.60	187 00	100 84	194 67	108 54	202 47	44
		172.44									
46	172.54	176.10	179.70	183.36	187.06	190.81	194.62	198,47	202.37	206,32	46
		179.80									
		183.55									
49	183.73	187.36	191.04	194.76	198.54	202.37	206.25	210.17	214.15	218.17	49
50	187.55	191.21	194.91	198.67	202.47	206.32	210.22	214.17	218, 17	222.22	50
-	41	-			7		47		1795	100	

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TABLE XII.—BASE 20.—SLOPES 21 to 1.

											_
Feet.	1	2	3	4	5	6	7	8	9	10	Feet.
0	0.40	0.86	1.39	1.98	2.62	8.33	4.11	4.94	5.88	6.79	0
1	0.83	1.33	1.88	2.50	3.18	3.92	4.72	5.59	6.51	7.50	1
2	1.33	1.85	2.44	3.09	3.80	4.57	5.40	6.30	7.25	8.27	2
3 4	1.88 2.50	$\frac{2.44}{3.09}$	$3.06 \\ 3.74$	$3.74 \\ 4.44$	4.48 5.22	5.28 6.05	6.14 6.94	7.07 7.90	8.06 8.92	9.11 10.00	8 4
5	3.18	3.80	4.48	5.22	6.02	6.88	7.81	8.80	9.85	10.96	5
6	8.92	4.57	5.28	6.05	6.88	7.78	8.74	9.75	10.83	11.98	6
7	4.72	5.40	6.14	6.94	7.81	8.74	9.72	10.77	11.88	13.06	7
8	5.59	6.30	7.07	7.90	8.80	9.75	10.77	11.85	12.99	14.20	
9 10	$6.51 \\ 7.50$	$7.25 \\ 8.27$	8.06 9.11	8.92 10.00	9.85 10.96	10.83 11.98	11.88 13.06	12.99 14.20	14.17 15.40	15.40 16.67	
11	8.55	9.35	10,22	11.14	12.13	13.18	14.29	15.46	16.70	17.99	
12	9.66	10.49	11.39	12.35	13.36	14.44	15.59	16.79	18.06	19.38	
13	10.83	11.70	12.62	13.61	14.66	15.77	16.94	18.18	19.47	20.83	
14	12.07	12.96	13.92	14.94	16.02	17.16	18.36	19.63	20.96	22.85	
15	13.36	14.29	15.28	16.88	17.44	18.61	19.85	21.14	22.50	23.92	- 1
16 17	14.72 16.14	15.68 17.13	16.70 18.18	17.78 19.29	18.92 20.46	20.12 21.70	21.39 22.99	22.72 24.35	24.11 25.77	25.56 27.25	
18	17.62	18.64	19.72	20.86	22.07	23.33	24.66	26.05	27.50	29.01	
19	19.17	20.22	21.83	22.50	23.73	25.03	26.39	27.81	29.29	80.83	19
20	20.77	21.85	22.99	24.20	25.46	26.79	28.18	29.63	31.14	32.72	1 1
21	22.44	23.55	24.72	25.96	27.25	28.61	80.03	81.51	33.06	34.66	
22 23	24.17 25.96	$25.31 \\ 27.13$	$\begin{array}{c} 26.51 \\ 28.36 \end{array}$	27.78 29.66	29.11 31.02	30.49 32.44	31.94 33.92	33.46 35.46	35.03 37.07	36.67 38.73	
24	27.81	29.01	30.28	31.61	32.99	34.44	35.96	37.53	39.17	40.86	
25	29.72	30.96	32.25	33.61	35.03	36.51	38.06	39.66	41.37	43.06	
26	31.70	32.96	34.29	35.68	37.13	38.64	40.22	41.85	43.55	45.31	
27	33.73	35.03	36.39	37.81	39.29	40.83	42.44	44.11	45.83	47.62	
$\begin{array}{c} 28 \\ 29 \end{array}$	35.83 37.99	37.16 39.35	$38.55 \\ 40.77$	$ 40.00 \\ 42.25$	41.51 43.80	43.09 45.40	44.72 47.07	46.42 48.80	48.18 50.59	50.00 52.44	
30	40.22	41.61	43.06	44.57	46.14	47.78	49.48	51.23	53.06	54.94	
31	42.50	43.92	45.40	46.94	48.55	50.22	51.94	53.78	55.59	57.50	1 1
32	44.85	46.30	47.81	49.38		52.72	54.48	56.30	58.18	60.12	82
33	47.25	48.73	50.28	51.88	53.55	55.28	57.07	58.92	60.83	62.81	
34 35	49.72 52.25	51.23 53.80	52.81 55.40	54.44 57.07	56.14 58.80	57.90 60.59	59.72 62.44	61.61 64.35	63.55 66.33	65.56 68.36	
36	54.85	56.42	58.06	59.75	61.51	63.33	65.22	67.16	69.17	71.23	1 1
37	57.50	59.11	60.77	62.50	64.29	66.14	68.06	70.03	72.07	74.17	
38	60.22	61.85	63.55	65.31	67.13	69.01	70.96	72.96	75.03	77.16	38
39 40	62.99 65.83	64.66 67.53	66.39 69.29	68.18	70.03	71.94	73.92	75.96	78.06	80.22	
41	68.73		72.25	71.11 74.10	72.99 76.02	74.94	76.94	79.01	81.14 84.29	83.33	
41 42	71.70	70.46 73.46	72.25 75.28	74.10		77.99 81.11	80.03 83.18	82.13 85.31	84.29 87.50	86.51 89.75	
43	74.72	76.51	78.36	80.28		84.29	86.39	88.55	90.77	93.06	
44	77.81	79.63	81.51	83.46		87.53		91.85	94.10	96.42	44
45	80.96	82.81	84.72	86.70	1	90.83	l	95.22	97.50	99.85	
46	84.17	86.05	87.99	90.00		94.20			100.96		
47 48	87.44 90.77	89.35 92.72	91.33 94.72	93.36		97.62 101.11	103.36	102.13 105.68			
49	94.17	96.14					106.94				
50	97.62	99.63					110.59				
	1	2	3	4	5	6	7	8	9	10	

TABLE XII.—BASE 20.—SLOPES $2\frac{1}{2}$ to 1.

1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	7.81 8.55 9.35 0.22 1.14 2.18 3.18 4.29 9.35 6.6.70 7.99 9.35 6.6.70 7.99 9.35 22.25 32.88 90.57 22.25 32.88 90.59 92.44 44.35 86.33 86.33 86.34 90.46	10.49 11.39 12.35 13.36 14.44 15.59 16.79 18.06 19.38 20.77 22.22 23.73 25.31 26.94 28.64 30.40 32.22 34.11 36.05 38.06 40.12 42.25 44.44	10.03 10.83 11.70 12.62 13.61 14.66 15.77 16.94 18.18 19.47 20.83 22.25 23.73 25.28 26.88 28.55 83.07 33.92 35.83 37.81 39.85 41.94 44.11	11.23 12.07 12.96 13.92 14.94 16.02 17.16 18.86 19.63 20.96 22.35 23.80 25.31 26.88 28.52 30.22 31.98 33.80 35.68 37.62 39.63 41.70 43.83	12.50 13.36 14.29 15.28 16.38 17.44 18.61 19.85 21.14 22.50 23.92 25.40 26.94 28.55 30.22 30.22 31.94 83.78	13. 83 14. 72 15. 68 16. 70 17. 78 18. 92 20. 12 21. 39 22. 72 24. 11 25. 56 27. 07 28. 64 30. 28 31. 98 33. 78 35. 56 37. 44 39. 38 41. 39 43. 46 45. 59	15. 22 16. 14 17. 13 18. 18 19. 29 20. 46 21. 70 22. 99 24. 35 25. 77 27. 25 28. 80 30. 40 82. 07 83. 80 85. 59 87. 44 89. 85 41. 33 48. 36 45. 46	16.67 17.62 18.64 19.72 20.86 22.07 23.33 24.66 26.05 27.50 30.59 32.22 33.92 35.68 37.50 39.38 41.83 45.40 47.53	30.83 32.44 34.11 35.83	19.75 20.77 21.85 22.99 24.20 25.46 26.79 28.18 29.63 31.14 32.72 34.35 37.81 39.63 41.51 43.46 47.53 49.66	1:
1 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	8,55 9,35 0,22 11,14 2,13 8,18 4,29 6,40 6,70 7,99 9,35 20,77 22,25 33,80 00,77 22,25 33,80 00,77 22,25 33,80 00,77 44,35 46,35 46,3	10.49 11.39 12.35 13.36 14.44 15.59 16.79 18.06 19.38 20.77 22.22 23.73 25.31 26.94 28.64 30.40 32.22 34.11 36.05 38.06 40.12 42.25 44.44	11.70 12.62 13.61 14.66 15.77 16.94 18.18 19.47 20.83 22.25 23.73 25.28 26.88 28.55 30.28 30.28 32.07 33.92 35.83 37.81 39.85 44.11	12.96 13.92 14.94 16.02 17.16 18.36 19.63 20.96 22.35 23.80 25.31 26.85 28.52 30.22 31.98 33.80 35.68 37.62 39.63 41.70	14, 29 15, 28 16, 33 17, 44 18, 61 19, 85 21, 14 22, 50 23, 92 25, 40 28, 55 30, 22 31, 94 83, 73 85, 59 37, 50 39, 48 41, 51	15.68 16.70 17.78 18.92 20.12 21.39 22.72 24.11 25.56 27.07 28.64 30.28 31.98 33.73 35.56 37.44 39.38 41.39 43.46	17.13 18.18 19.29 20.46 21.70 22.99 24.35 25.77 27.25 28.80 30.40 32.07 33.80 35.59 87.44 89.33 41.33 43.36	18.64 19.72 20.86 22.07 23.33 24.66 26.05 27.50 29.01 30.59 32.22 35.68 37.50 39.38 41.83 45.40	20. 22 21. 33 22. 50 23. 78 25. 03 26. 39 27. 81 29. 29 30. 83 32. 44 34. 11 35. 83 37. 62 39. 48 41. 39 43. 36 45. 40	21.85 22.99 24.20 25.46 26.79 28.18 29.63 31.14 32.72 34.35 36.05 37.81 39.63 41.51 43.46 45.46 47.53	1: 1: 1: 1: 1: 1: 1: 1: 1: 1: 1: 1: 1: 1
2	9.35 0.22 1.14 2.13 3.18 4.29 5.46 6.70 9.35 9.0.77 9.35 9.0.77 9.35 9.0.77 9.35 9.0.5 9.0	10.49 11.39 12.35 13.36 14.44 15.59 16.79 18.06 19.38 20.77 22.22 23.73 25.31 26.94 28.64 30.40 32.22 34.11 36.05 38.06 40.12 42.25 44.44	12.62 13.61 14.66 15.77 16.94 18.18 19.47 20.83 22.25 23.73 25.28 26.88 28.55 30.28 33.92 35.83 37.81 39.85 44.11	13. 92 14. 94 16. 02 17. 16 18. 36 19. 63 20. 96 22. 35 23. 80 25. 31 26. 88 28. 52 30. 22 31. 98 33. 80 35. 68 37. 62 39. 63 41. 70	15. 28 16. 33 17. 44 18. 61 19. 85 21. 14 22. 50 23. 92 25. 40 26. 94 28. 55 30. 22 31. 94 83. 73 85. 59 37. 50 39. 48 41. 51	16.70 17.78 18.92 20.12 21.39 22.72 24.11 25.56 27.07 28.64 30.28 31.98 33.78 35.56 37.44 39.38 41.39 43.46	18.18 19.29 20.46 21.70 22.99 24.35 25.77 27.25 28.80 80.40 82.07 83.80 85.59 87.44 89.35 41.33 48.36	19.72 20.86 22.07 23.33 24.66 26.05 27.50 29.01 30.59 32.22 33.92 35.68 87.50 89.38 41.33 45.40	21.83 22.50 23.78 25.03 26.89 27.81 29.29 30.83 32.44 34.11 35.83 37.62 39.48 41.39 43.36 45.40	22.99 24.20 25.46 26.79 28.18 29.63 31.14 32.72 34.35 36.05 37.81 39.63 41.51 43.46 45.46 47.53	1: 1: 1: 1: 1: 1: 1: 1: 1: 1: 1: 1: 1: 1
3 14 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1 1 5 1	0.22 11.14 2.13 3.18 4.29 5.46 6.70 7.99 9.35 20.77 22.25 32.80 5.40 60.59 60.	11.39 12.35 13.36 14.44 15.59 16.79 18.06 19.38 20.77 22.22 23.73 25.31 26.94 28.64 30.40 32.22 34.11 36.05 38.06 40.12 42.25 44.44	12.62 13.61 14.66 15.77 16.94 18.18 19.47 20.83 22.25 23.73 25.28 26.88 28.55 30.28 33.92 35.83 37.81 39.85 44.11	14.94 16.02 17.16 18.36 19.63 20.96 22.35 23.80 25.31 26.88 28.52 30.22 31.98 33.80 35.68 37.62 39.63 41.70	16.33 17.44 18.61 19.85 21.14 22.50 23.92 25.40 26.94 28.55 30.22 31.94 33.73 35.59 37.50 39.48 41.51	17.78 18.92 20.12 21.39 22.72 24.11 25.56 27.07 28.64 30.28 31.98 33.73 35.56 37.44 39.38 41.39 43.46	19.29 20.46 21.70 22.99 24.35 25.77 27.25 28.80 30.40 32.07 33.80 35.59 37.44 89.35 41.33 43.36	20,86 22,07 23,33 24,66 26,05 27,50 29,01 30,59 32,22 33,92 35,68 37,50 39,38 41,33 43,33 45,40	22.50 28.78 25.08 26.39 27.81 29.29 30.88 32.44 34.11 35.83 37.62 39.48 41.39 43.36 45.40	22.99 24.20 25.46 26.79 28.18 29.63 31.14 32.72 34.35 36.05 37.81 39.63 41.51 43.46 45.46 47.53	1: 1: 1: 1: 1: 1: 1: 1: 1: 1: 1: 1: 1: 1
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29 56 30 56 31 59 32 63 33 66 34 6 35 70 36 73 36 73 3	9,48		53.36	55.40	57.50	59.66	61.88	64.17	66.51	68,92	
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81 59 82 63 83 64 84 67 85 70 86 73 87 70 88 79 88 89 81 81	4.35		58.36	60.46	62.62	64.85	67.13	69,48	71.88	74.35	
32 63 38 64 34 63 35 70 36 73 37 70 38 79 38 79 38 83 40 83	6.88	58.89	60.96	63.09	65.28	67.53	69.85	72.22	74.66	77.16	3(
33 6-34 6 34 6 35 70 36 7:38 7:38 7:38 7:38 8:39 8:340 8:341 8:341 8:341	9.48	61.51	63.61	65.77	67.99	70.28	72.62	75.03	77.50	80.03	3
33 6-34 6 34 6 35 70 36 7:38 7:38 7:38 7:38 8:39 8:340 8:341 8:341 8:341	2.13	64.20	66.33	68.52	70.77	73.09	75.46	77.90	80.40	82.96	35
34 6 35 70 36 71 37 70 38 79 39 89 40 83	4,85		69.10	71.33	73.61	75.96	78.36	80.83	83.36	85,96	31
36 71 37 70 38 75 39 85 40 85	7.62	69.75	71.94	74.20	76.51	78.89	81.33	83,83	86.39	89.01	3
36 73 37 76 38 75 39 85 40 85	0.46	72.62	74.85	77.13	79.48	81.88	84.35	86.88	89.48	92.13	3
87 76 88 75 89 85 40 85 41 86	8.36	100000	77.81	80.12	82.50	84.94	87.44	90.00	92.62	95.31	
88 79 89 89 40 88	6.33		80.83	83.18	85.59	88.06	90.59	93.18			100
89 85 40 85 41 86	9.35	A STATE OF	83.92	86.30	88.73	91.23	93.80	96.42	The second section is	101.85	-
40 8 41 8	2.44		87.07	89.48	91.94	94.48	97.07		102.44		
41 8	5.59		90.28	92.72	95.22				105.83		
223		1500000	C. C. C. M	Jer Calver	The fields for all a	Harrist A. W.	the facility of the same	A-1 10 - 2-1	March View	C. C. T. C. C.	
	8.80		93.55	96.02		101.14					
-	2.07	The second	96.88			104.57					
	5.40					108.06					
		101.23									
		104.72	4								
46 10.		108.27	110.83	113.46	116.14	118.89	121.70	124.57	127.50	130.49	4
47 10	5.77	111.88	114.48	117.13	119.85	122.62	125.46	128.36	131.33	134.35	4
48 11	5.77 9.85	115.56	118.18	120.86	123.61	126.42	129.29	132.22	135.22	138.27	4
	5.77 9.35 2.99					130.28					
50 12	5.77 9.35 2.99	119.29		128.52	131.33	134.20	137.13	140.12	143.18	146.30	5
	5.77 19.35 2.99 6.70	119.29 123.09	125.77				_			20	-

Feet	21	22	23	24	25	26	27	28	29	30	Pest.
0	21.39	23.09	24.85	26.67	28.55	30.49	32.50	84.57	36.70	38.89	1
1	22.44	24.17	25.96	27.81	29.72	31.70	33.73	35.83	37.99	40.22	1
2	23.55	25.31	27.13	29.01	30.96	32.96		37.16	39.35	41.61	1
3	24.72	26.51	28.36	30.28	32.25	34.29	36.39	38.55	40.77	43.06	1
4	25.96		29.66	31.61	33.61	35.68	37.81	40.00	42.25	44.57	4
5	27.25	29.11	31.02	32.99	35.03	37.13	39.29	41.51	43.80	46.14	1
6	28.61	30.49	32.44	34.44	36.51	38.64	40.83	43.09	45.40	47.78	
7	30.63	31.94	33.92	35.96	38,06	40.22	42.44	44.72	47.07	49.48	1
8	31.51	33.46	35.46	37.53	39,66	41.85	44.11	46.42	48.80	51.23	1
9	33.06	35.03	37.07	39.17	41.37	43.55	45.83	48.18	50.59	53.06	1
10	34.66		38.73		43.06	45.31	47.62	50.00	52.44	54.94	16
11	36.33	38.36	40.46	42.62	44.85	47.13	49.48	51.88	54.35	56.88	11
12	38.06	40.12	42.25	44.44	46.70	49.01	51.39	53.83	56.33	58.89	15
13	39.85	41.94	44.11	46.33		50.96	53.36	55.83	58.36	60.96	13
14	41.70	43.83	46.02	48.27	50.59	52.96	55.40	57.90	60.46	63,09	14
15	43.61	45.77	47.99	50.28			57.50	60.03	62.62	65.28	13
16	45.59	47.78	50.03	52.35	54.72	57.16	59.66	62.22	64.85	67.53	16
17	47.62	49.85	52.13	54.48	56.88		61.88	64.48	67.13	69.85	
18	49.72	51.98	54.29	56.67	59.11	61.61	64.17	66.79	69.48	72.22	
19	51.88	54.17	56.51	58.92	61.39		66.51	69.17	71.88	74.66	
20	54.11	56.42	58.80	61.23	63.73		68.92	71.60	74.35	77.16	
21	56.39	58.73	61.14	63.61	66.14	68.73	71.39	74.10	76.88	79.72	91
22	58.73	61.11	63.55	66.05	68.61	71.23	73.92	76.67	79.48	82.35	
23	61.14	63.55	66.02	68.55	71.14	73.80	76.51	79.29	82.13	85.03	1
24	63.61	66.05	68.55	71.11	73.73		79.17	81.98	84.85	87.78	1
25	66.14	68.61	71.14	73.73		79.10	81.88	84.72	87.62	90.59	
26	68.73	71.23	73.80	76.42	79.10	81.85	84.66	87.53	90.46	93.46	-
27	71.39	73.92	76.51	79.17	81.88		87.50	90.40	93.36		
28	74.10	76.67	79.29	81.98	84.72	87.53	90.40	98.33	96.33	99.38	
29	76.88	79.48	82.13	84.85	87.62	90.46	93.36	96.33		102.44	
30	79.72	82.35	85.08	87.78	The state of the s		96.39		102.44		
31	82.62	85.28	87.99	90.77	93.61	96.51			105.59	CONT. (C.1)	100
32	85.59	88.27	91.02	93.83		99.68					
33	88.61	91.33		The state of the state of		102.81					
34	91.70	94.44				106.05					
35	94.85					109.35					
36	1996 200	11 To Sec. 14	of the later of	Control No.	Chair cont	112.72	100			Comment of the Comment	100
						116.14					
						119.63					
20	108 06	110.96	113.99	116.94	120.08	123.18	126.39	129.66	132.99	136.39	39
40	111.51	114.44	117.44	120.49	128.61	126.79	130.03	133.33	136.70	140,12	46
						130.46					
49	118 61	121 60	124.66	127.78	130.96	134.20	187.50	140.86	144.29	147.78	45
49	199 95	195.98	128.36	181.51	134.72	137,99	141.33	144.72	148.18	151.70	4
44	125.96	129.01	139.13	135 31	138.55	141.85	145.22	148.64	152.13	155,68	4
45	129.72	132.81	135.96	139.17	142.44	145.77	149.17	152.62	156.14	159.72	4
						149.75					
						153.80					
						157.90					
						162.07					
						166.30					
-											-
- 1	21	22	23	24	25	26	27	28	29	30	1

Feet	31	32	33	34	35	36	37	38	39	40	Feet.
0	41.14	43.46	45.83	48.27	50.77	53.88	55.96	58.64	61.39	64.20	-
1	42.50	44.85	47.25	49.72	52.25	54.85	57.50	60.22	62.99	65.83	
2	43.92	46.30	48.73	51,23	53.80	56.42	59.11	61.85	64.66	67.53	3
3	45.40	47.81	50.28	52.81	55.40	58.06	60.77	63.55	66.39	69.29	1
4	46.94	49.38	51.88	54.44	57.07	59.75	62.50	65.81	68.18	71.11	1
5	48.55	51.02	53.55	56.14	58.80	61.51	64.29	67.13	70.03	72.99	1
6	50.22	52.72	55.28	57.90	60.59	63.33	66.14	69.01	71.94	74.94	
7	51.94	54.48	57.07	59.72	62.44		68.06	70.96	73.92	76.94	
8	53.73	56.30	58.92	61.61	64.35	67.16	70.03	72.96	75.96	79.01	
9	55.59	58.18	60.83	63.55	66.33		-72.07	75.03	78.06	81.14	
10	57.50	60.12	62.81	65.56	68.36	71.23	74.17	77.16	80,22	88.33	1
11	59.48	62.13	64.85	67.62	70.46	73.36	76.33	79.35	82.44	85.59	1
12	61.51	64.20	66.94	69.75	72.62	75.56	78.55	81.60	84.72	87.90	
13	63,61	66.33	69.10	71.94	74.85	77.81	80.83	83.92	87.07	90.28	
14	65.77	68.52	71.33	74.20	77.13		83.18	86.30	89.48		
15	67.99	70.77	73.61	76.51	79.48	82.50	85.59	88.73	91.94	95.22	1
16	70.28	73.09	75.96	78.89	81.88	84.94	88.06	91.23			
17	72.62	75.46	78.36	81.33	84.35	87.44	90.59	93.80	97.07	100.40	1
18	75.03	77.90	80.83	83.83	86.88		93.18	96.42		103.09	
19	77.50	80.40	83.36	86.39	89.48		95.83			105.83	
20	80.03	82.96	85.96	89.01	92.13	95.31	10000 11000	A. F. All S. J.	7 1 1 1 10 10 10 10	108.64	
21	82,62	85.59	88.61	91.70	94.85	98.06	101.33	104.66	108.06	111.51	2
22	85,28	88.27	91.33	94.44	97.62	100.86	104.17	107.53	110.96	114,44	2
23	87.99	91.02	94.10			103.73					
24	90.77	93.83				106.67					
25	93.61	96.70	99.85	103.06	106.33	109.66	113.06	116.51	120.03	123.61	2
26	96.51	99.63	102.81	106.05	109.35	112.72	116.14	119.63	123.18	126.79	2
27	99.48	102.62	105.83	109.10	112.44	115.83	119.29	122.81	126.39	130.03	2
	102.50										
	105.59										
30	108.73	111.98	115.28	118.64	122.07	125.56	129.10	132.72	136.39	140.12	3
31	111.94	115.22	118.55	121.94	125.40	128.92	132.50	136.14	139.85	143.61	3
32	115.22	118.52	121.88	125.31	128.80	132.35	135.96	139.63	143.36	147.16	3
	118.55										
	121.94										
35	125.40	128.80	132.25	135.77	139.35	142.99	146.70	150.46	154.29	158.18	3
36	128.92	132.35	135.83	139.38	142.99	146.67	150.40	154.20	158.05	161.97	3
	132.50										
38	136.14	139.63	143.18	146.79	150.46	154.20	157.99	161.85	165.77	169.75	3
39	139.85	143.36	146.94	150.59	154.29	158.05	161.88	165.77	169.72	173.73	3
40	143.61	147.16	150.77	154,44	158.18	161.97	165.88	169.75	173.73	177.78	4
41	147.44	151.02	154.66	158.36	162.13	165.96	169.85	173.80	177.81	181.88	4
42	151.88	154.94	158.61	162.35	166.14	170.00	173.92	177.90	181.94	186.05	4
43	155.28	158.92	162.62	166.39	170.22	174.10	178.05	182.07	186.14	190.28	4
44	159.29	162.96	166.70	170.49	174.35	178.27	182.25	186.30	190.40	194.57	4
45	163.36	167.07	170.83	174.66	178.55	182.50	186.51	190.59	194.72	198.92	4
46	167.50	171.23	175.08	178.89	182.81	186.79	190.83	194.94	199.10	203.33	4
	171.70										
48	175.96	179.75	183.61	187.53	191.51	195.55	199.66	203.83	208.05	212.34	4
49	180.28	184,10	187.99	191.94	195.96	200.03	204.17	208.36	212.62	216.94	4
	184.66										
-		100			75.	165		7		- 1	-
	31	32	33	34	35	36	37	38	39	40	1

Fret.	41	42	43	44	45	46	47	48	49	50	P.
o	67.07	70.00	72.99	76.05	79.17	82.35	85.59	88.89	92.25	95.68	0
1	68.73			77.81	80.96					97.62	1
2	70.46 72.25			79.63 81.51	. 82.81 84.72			92.72 94.72		99.63 101.70	3
4	'	77.16		83.46	86.70	90.00				103.83	4
5	76.02		82.25	85.46		92.07				106.02	5
6	77.99	81.11	84.29	87.53	90.83			101.11			6
7	80.03							103.36			7
8	82.13 84.29	85.31 87.50	88.55 90.77					105.68 188.06			8 9
10	86.51	89.75	93.06				1			117.90	_
11	88.80		95.40					112.99			11
12	91.14	94.44	97.81	101. 2 3	104.72	108.27	111.88	115.56	119.29	123.09	
13	93.55									125.77	
14 15	96.02							120.86		128.52 131.33	14
- 1		1	1					1		134.20	
										137.13	
18	106.51	110.00	113.55	117.16	120.83	124.57	128.36	132.22	136.14	140.12	18
										143.18	
		1	1							146.30	
										149.47 152.72	
										156.02	
										159.38	
25	127.25	130.96	184.72	138.55	142.44	146.39	150.40	154.47	158.61	162.81	25
										166.30	
										169.85	
										$173.46 \\ 177.13$	
										180.86	
31	147.44	151.83	155.28	159.29	163.36	167.50	171.70	175.96	180.28	184.66	31
										188.52	
										192.44	
										196.42 200.46	
	1									204.57	
										208.73	
88	178.80	177.90	182.07	186.30	190.59	194.94	199.35	203.83	208.36	212.96	38
										217.25	
- 1										221.60	
										226.02 230.49	
										235.08	
44	198.80	208.09	207.44	211.85	216.33	220.86	225.46	230.12	234.84	239.63	44
										244.29	1
										249.01	
										253.80 258 64	
										258.64 263.55	
										268.52	
	41	42	43	44	45	46	47	48	49	50	\vdash

0 1 2 3 4 5	0.41 0.85 1.37 1.96 2.63	0.89 1.37	1.44								
2 3 4 5	1.37 1.96			2.07	2.78	3.55	4.41	5.33	6.33	7.41	1
3 4 5	1.96		1.96	2.63	3.37	4.19	5.07	6.04	7.07	8.19	
5		1.92	2.55	3.26	4.04	4.89	5.81	6.81	7.89	9.04	
5	2.63	2.55	3.22	3.96	4.78	5.67	6.63	7.67	8.78		
- 1		3.26	3.96	4.74	5.59	6.52	7.52	8.59	9.74		
0	3.37	4.04	4.78	5.59	6.48	7,44	8,48	9.59	10.78	12.04	
0	4.19	4.89	5.67	6.52	7.44	8.44	9.52	10.67	11.89	13.19	
7	5.07	5.81	6.63	7.52	8.48	9.52	10.63	11.81	13.07	14.41	
8	6.04	6.81	7.67	8.59	9.59	10.67	11.81	13.04	14.33	15.70	
9	7.07	7.89	8.78	9.74	10.78		13.07	14.33	15.67	17.07	13
10	8.19	9.04	9.96	10.96	12.04	13,19	14.41	15.70	17.07	18.52	1
11	9.37	10.26	11.22	12.26	13.37	14.55	15.81	17.15	18.55	20.04	1
12	10.63	11.55	12.55	13.63	14.78	1 1000	17.30	18.67	20.11	21.63	
13	11.96	12.92	13.96	15.07	16.26		18.85	20.26	21.74		
14	13.37	14.37	15.44	16.59	17.81	19.11	20.48	21.92	23.44		
15	14.85	15.89	17.00	18,18	19.44	20.78	22.18	23.67	25.22		
16	16.41	17.48	18.63	19.85	21.15	22.52	23.96	25.48	27.07	WE SOL	1
17	18.04	19.15	20.33	21.59	22.92		25.81	27.37	29.00		
18	19.74	20.89	22.11	23.41	24.78		27.74	29.33	31.00		
19	21.52	22.70	23.96	25.30	26.70	The second second	29.74	31.37	33.07	34.85	160
20	23.37	24.59	25.89	27.26	28.70		31.81	33.48	35.22		
~ 4	25.30	26.55	27.89	29.30	30.78	7 Sept. 101	33.96	35.67	100000	39.30	100
21	27.30	28.59	29.96	31.41	32.92	A	36.18	37.92	37.44 39.74	41.63	
	29.37	30.70	32.11	33.59	35.15	36.78	38.48		42.11	44.04	
23	31.52	32.89	34.33	35.85	37.44	39.11	40.85	40.26	44.55	46.52	
24 25	33.74	35.15	36.63	38.18	39.81	41.52	43.30	45.15	47.07	49.07	
-	N. 195 A.M.	1000 0000	A COLUMN	10, 4 4 4		10000	1 X L L 2 1 1 1 1	D. Janes			
26	36.04	37.48	39.00	40.59	42.26	44.00	45.81	47.70	49.67	51.70	
27	38.41	39.89 42.37	41.44	43.07	44.78	46.55	48.41	50.33	52.33	54.41	
28	40.85	44.92	43.96 46.55		47.37 50.04	49.19 51.89	51.07 53.81	53.04	55.07	57.19	
29	43.37 45.96	47.55	49.22	48.26 50.96	52.78	54.67	56.63	55.81	57.89	60.04	
30		1770 77 74	100000	Section 1		(2.30 A)	17.35	58.67	60.78	1000000	100
31	48.63	50.26	51.96	53.74	55.59	57.52	59.52	61.59	63,74	65.96	16.0
32	51.37	53.04	54.78	56.59	58.48	60.44	62.48	64.59	66.78	69.04	
33	54.19	55.89	57.67	59.52	61.44	63.44	65.52	67.67	69.89	72.19	
34	57.07	58.81	60.63	62.52	64.48	66.52	68.63	70.81	73.07	75.41	
35	60.04	61.81	63.67	65.59	67.59	69.67	71.81	74.04	76.33	78.70	
36	63.07	64.89	66.78	68.74	70.78	72,89	75.07	77.33	79.67	82.07	
37	66.19	68.04	69.96	71.96	74.04	76.19	78.41	80.70	83.07	85.52	1
38	69.37	71.26	73.22	75.26	77.37	79.55	81.81	84.15	86.55	89.04	
39	72.63	74.55	76.55	78.63	80.78	83.00	85.30	87.67	90.11	92.63	
10	75.96	77.92	79.96	82.07	84.26	86.52	88.85	91.26	93.74	96.30	4
11	79.37	81.37	83.44	85.59	87.81	90,11	92.48	94.92	97.44	100.04	4
12	82.85	84.89	87.00	89.18	91.44	93.78	96.18	98.67		103.85	
43	86.41	88.48	90.63	92.85	95.15	97.52				107.74	
14	90.04	92.15	94.33	96.59			103.81	106.37	109.00	111.70	4
45	93.74	95.89	98.11	100.41	102.78	105.22	107.74	110.33	113.00	115.74	4
16	97.52	99.70	101.96	104.30	106.70	109.18	111.74	114.37	117.07	119.85	4
		103.59									
		107.55									
		111.59									
		115.70									
	1	2	3	4	5	6	7	8	9	10	-

Feet.	11	12	13	14	15	16	17	18	19	20	Post
0	8.55	9.78	11.07	12.44	13.89	15.41	17.00	18.67	20.41	22.22	1
1	9.37	10,63	11.96	13.37	14.85	16,41	18.04	19.74	21.52	23.37	B
2	10.26	11.55	12.92	14.37	15.89	17.48	19.15	20.89	22.70	24.59	3
3	11.22	12.55	13.96	15,44	17,00	18.63	20.33	22.11	23.96	25.89	
4	12.26	13.63	15.07	16.59	18.18	19.85	21.59	23.41	25.30	27,26	
5	13.37	14.78	16.26	17.81	19.44	21.15	22.92	24.78	26.70	28.70	9
6	14.55	16.00	17.52	19.11	20.78	22.52	24.33	26.22	28.18	30.22	þ
7	15.81	17.30	18.85	20.48	22.18	23.96	25.81	27.74	29.74	31.81	
8	17.15	18.67	20.26	21.92	23.67	25.48	27.37	29.33	31.37	33.48	1
9	18,55	20.11	21.74	23.44	25.22	27.07	29.00	31.00	33.07	35.22	
10	20.04	21.63	23.30	25.04	26.85	28.74	30.70	32.74	34.85	37.04	1
11	21.59	23.22	24.92	26.70	28.55	30.48	32.48	34.55	36.70	38.92	1
12	23.22	24.89	26.63	28.44	30.33	32.30	34.33	36.44	38.63	40.89	1
13	24.92	26.63	28.41	30.26	32.18	34.18	36.26	38.41	40.63	42.92	1
14	26.70	28.44	30.26	32.15	34.11	36.15	38.26	40.44	42.70	45.04	1
15	28.55	30.33	32.18	34.11	36.11	38.18	40.33	42.55	44.85	47.22	1
16	30.48	32.30	34.18	36.15	38.18	40.30	42.48	44.74	47.07	49.48	1
17	32.48	34.33	36.26	38.26	40.33	42.48	44.70	47.00	49.37	51.81	-
18	34.55	36.44	38.41	40.44	42.55	44.74	47.00	49.33	51.74	54.22	
19	36.70	38.63	40.63	42.70	44.85	47.07	49.37	51.74	54.18	56.70	
20	38.92	40.89	42.92	45.04	47.22	49.48	51.81	54.22	56.70	59.26	
21	41.22	43.22	45.80	47.44	49.67	51.96	54.33	56.78	59.30	61.89	9
22	43.59	45.63	47.74	49.92	52.18	54.52	56.92	59.41	61.96	64.59	
23	46.04	48.11	50.26	52.48	54.78	57.15	59.59	62.11	64.70	67.37	
24	48.55	50.67	52.85	55.11	57.44	59.85	62.33	64.89	67.52	70.22	
25	51.15	53.30	55.52	57.81	60.18	62.63	65.15	67.74	70.41	73.15	
26	53.81	56.00	58.26	60.59	63.00	65.48	68.04	70.67	73.37	76.15	
27	56.55	58.78	61.07	63.44	65.89	68.41	71.00	73.67	76.41	79.22	
28	59.37	61.63	63.96	66.87	68.85	71.41	74.04	76.74	79.52	82.37	_
29	62.26	64.55	66.92	69.37	71.89	74.48	77.15	79.89	82.70	85.59	
30	65.22	67.55	69.96	72.44	75.00	77.63	80.33	83.11	85.96	88.89	
31	68.26	70.63	73.07	75.59	78.18	80.85	83.59	86.41	89.30	92.26	
32	71.87	73.78	76.26	78.81	81.44	84.15	86.92	89.78	92.70	95.70	
33	74.55	77.00	79.52	82.11	84.78	87.52	90.33	93.22	96.18	99.22	
34	77.81	80.30	82.85	85.48	88.18	90.96	93.81	96.74		102.81	
35	81.15	83.67	86.26	88.92	91.67	94.48				106.48	
36	84.55	87.11	89.74	92.44	95.22	1250 1000	100,000,000	The second		110.22	
37	88.04	90.63	93.30	96.04						114.04	
18	91.59	94.22	96.92	Market makes at						117.92	
39	95.22									121.89	
ŁO										125.92	
	Apr. 10.	14-05-119-55	200	1000000		Action Control of	10000000	PUT 1.0081	200	130.04	
										134.22	
										138.48	
										142.81	
										147.22	
м	100 CO	2.50					F-12 2 1 - 01	470	The second second	151.70	
										156.26	
										160.89	
										165.59	
										170.37	
				-10.40	.02.10	.00.10	200.00	100.11	.00.10		
	11	12	13	14	15	16	17	18	19	20	Г

TABLE XIII.—BASE 20.—SLOPES 3 to 1.

						r	1	,			-
Feet	21	22	23	24	25	26	27	2 8	29	30	Feet.
0	24.11	26.07	28.11	30.22	32.41	84.67	37.00	39.41	41.89	44.44	
1 2	25.30 26.55	27.30 28.59	29.37 30.70	31.52 32.89	33.74 35.15			40.85 42.37	43.37 44.92	45.96 47.55	1
3	27.89	29.96	32.11	84.38	36.63			48.96	46.55	49.22	
4	29.30	31.41	83.59	85.85	38.18	40.59	43.07	45.63	48.26	50.96	4
5	30.78	82.92	35.15	37.44	89.81	42.26	44.78	47.37	50.04	52.78	5
6	32.33	34.52	36.78	39.11	41.52		46.55	49.19	51.89	54.67	
7 8	33.96 35.67	36.18 37.92	38.48 40.26	40.85 42.67	43.30 45.15		48.41 50.33	51.07 53.04	53.81 55.81	56.63 58.67	
9	37.44	39.74	42.11	44.55	47.07	49.67	52.33	55.07	57.89	60.78	
10	39.30	41.63	44.04	46.52	49.07	51.70	54.41	57.19	60.04	62.96	
11	41.22	43.59	46.04	48.55	51.15	53.81	56.55	59.87	62.26	65.22	
12	43.22	45.63	48.11	50.67	58.30	56.00	58.78	61.63	64.55	67.55	
13 14	45.30 47.44	47.74 49.92	50.26 52.48	52.85 55.11	55.52 57.81	58.26 60.59	61.07 63.44	63.96 66.37	66.92 69.37	69.96 72.44	
15	49.67	52.18	54.78	57.44	60.18	63.00	65.89	68.85	71.89	75.00	
16	51.96	54.52	57.15	59.85	62.63	65.48	68.41	71.41	74.48	77.63	16
17	54.38	56.92	59.59	62.33	65.15	68.04	71.00	74.04	77.15	80.33	
18 19	56.78 59.30	59.41 61.96	62.11 64.70	64.89 67.52	67.74 70.41	70.67 73.37	78.67 76.41	76.74 79.52	79.89 82.70	83.11 85.96	
20	61.89	64.59	67.37	70.22	78.15	76.15	79.22	82.37	85.59	88.89	
21	64.55	67.30	70.11	73.00	75.96	79.00	82.11	85.30	88.55	91.89	ıı
22	67.30	70.07	72.92	75.85	78.85	81.92	85.07	88.30	91.59	94.96	
23	70.11	72.92	75.81	78.78	81.81	84.92	88.11	91.37	94.70	98.11	
24 25	73.00 75.96	75.85 78.85	78.78 81.81	81.78 84.85	84.85 87.96	88.00 91.15	$91.22 \\ 94.41$	94.52 97.74	101.15	101.33	
26	79.00	81.92	84.92	88.00	91.15	94.37			104.48		
27	82.11	85.07	88.11	91.22	94.41				107.89		
28	85.30	88.30	91.37	94.52		101.04					
29 30	88.55	91.59 94.96	94.70			104.48 108.00					
31	91.89					1 1					
32	95.30 98.78					111.59 115.26					
						119.00					
						122.81					
			1			126.70		- 1	1		
						130.67 134.70					
						138.81					
						143.00					
	1	1	1			147.26		t	ì		
						151.59					
						$156.00 \\ 160.48$					
44	146.83	149.92	158.59	157.33	161.15	165.04	169.00	173.04	177.15	181.33	44
45	150.78	154.41	158.11	161.89	165.74	169.67	173.67	177.74	181.89	186.11	45
						174.37					
						179.15 184.00					
						188.92					
						198.92					
	21	22	23	24	25	26	27	28	29	30	-

TABLE XIII. BASE 20. SLOPES 3 to 1.

0 1 2	47.07			34	35	36	37	38	39	40	Peet.
2	2000	49.78	52.55	55.41	58.33	61.33	64.41	67.55	70.78	74.07	0
	48.63	51.37	54.19	57.07	60.04		1000000		72.63	75.96	
	50.26	53.04	55.89	58.81	61.81	64.89		71.26	74.55	77.92	2
3	51.96	54.78	57.67	60.63	63.67	66.78			76.55	79.96	
4	53.74	56.59	59.52	62.52	65.59	100	71.96		78.63	82.07	4
5	55.59	58.48	61.44	64.48	1000000	70.78	74.04	77.37	80.78	84.26	5
6	57.52	60.44	63.44	66.52	69.67	72.89	100000000000000000000000000000000000000	79.55	83.00	86.52	6
7	59.52	62,48		68.63	Street Control	75.07		81.81	85.30	88.85	7
8	61.59	64.59	67.67	70.81	74.04				87.67	91.26	8
9	63.74	66.78		73.07				86.55	90.11	93.74	9
10	65.96	69.04	72.19	75.41	78.70	82.07	85,52	89.04	92.63	96.30	10
11	68.26	71.37	74.55	77.81	81.15	84.55	88.04	91.59	95.22	98.92	11
12	70.63	73.78	77.00	80.30	83.67	87.11	90.63		97.89	101.63	12
13	73.07	76.26	79.52	82.85	86.26	89.74	93.30	96,92	100.63	104.41	13
14	75.59		82.11	85.48	88.92	92.44	96.04	99.70	103.44	107.26	14
15	78.18	81.44	84.78	88.18	91.67	95 22	98.85	102.55	106.33	110.18	15
16	80.85	84.15	87.52	90.96	94.48	98.07	101.74	105.48	109 30	113.18	16
17	83.59									116, 26	
18	86.41									119.41	
19	89.30									122.63	
20	92.26	95.70	99.22	102.81	106.48	110.22	114.04	117.92	121.89	125.92	20
21	95.30	98 78	The second of	The state of the s	I have been been been been been been been be	and the state of t		and the second		129.30	
22	1000	101.92									
		105.15									
		108.44									
		111.81									
- 1		1555 150	110000000		1000000	1.00	March 2007	1130 1 2 100	1000	12000 300	
		115.26									
		118.78									
		122.37									
		126.04									
- 1		129.78	and the second second		Children Co.	hall the second		and the second second	10 m 10 m 10 m	1 - 1 4	
		133.59									
32	133.59	137.48	141.44	145.48	149.59	153.78	158.04	162.37	166.78	171.26	32
		141.44									
		145.48									
- N		149.59	2000			11 11 11 11		100000000000000000000000000000000000000	10 V V V V V V		
36	149.74	153.78	157.89	162.07	166.33	170.67	175.07	179.55	184.11	188.74	30
37	153.96	158.04	162.19	166.41	170.70	175.07	179.52	184.04	188.63	193.30	3
		162.37									
		166.78									
40	167.07	171.26	175.52	179.85	184.26	188,74	193.30	197.92	202.63	207.41	40
41	171.59	175.81	180.11	184.48	188.92	193.44	198.04	202.70	207.44	212.26	41
		180.44									
		185.15									
44	185.59	189.92	194.33	198,81	203,37	208.00	212.70	217.48	222.33	227.26	44
45	190.41	194.78	199,22	203.74	208.33	213.00	217.74	222.55	227.44	232.41	43
		199.70									
47	200.26	204.70	209 99	213 81	218 49	222 20	228 04	232 00	237 80	249 00	40
48	205.30	209.78	214 33	218 96	223 67	228 44	233 30	238 99	243 99	248 90	40
19	210.41	214.92	219.52	224.18	228 92	233 74	238 69	243 50	248 62	253 74	40
50	215.59	220.15	224.78	229.48	234.36	239.11	244.04	249.04	254.11	259.26	5(
	31	32	33	34	35	36	37	38	39	40	-

Feet.	41	42	43	44	45	46	47	48	49	50	Feet.
0	77.44	80.89	84.41	88.00	91.67	95.41	99.22	103.11	107.07	111.11	-
1	79.37	82.85	86.41	90.04	93.74		101.37				
2	81.37	84.89	88.48				103.59				
3	83.44	87.00		94.33		101.96					1
4	85.59	89.18		2 20 2 2		104.30	222	V V V T T T T T T T T T T T T T T T T T		The second section	
5	87.81	91.44	95.15	ALC: CO.	17.70/12.11	106.70	C - 20 20		150000000000000000000000000000000000000	10/40/10/10	1
6	90.11	93.78	97.52	101.33	105.22	109.18	113.22	117.33	121.52	125.78	1
7	92.48		99.96	103.81	107.74	111.74	115.81	119.96	124.18	128.48	
8	94.92	98.67	102.48	106.37	110.88	114.37	101 00	122.67	120.92	131.26	
9	100.04	101.22	105.07	111 70	115 74	117.07	194 04	120.44	139 63	137 04	
						119.85					
11	102.70	106.55	110.48	114.48	118.55	122.70	126.92	131.22	135.59	140.04	1
12	105.44	109.33	113.30	117,88	121.44	125, 68	129.89	194.22	141 74	140.11	1
13	108.26	112.18	110.18	120,20	197 44	$128.63 \\ 131.70$	186 04	140 44	144 99	149 48	1
15	111.10	118 11	199 18	126.20	180.55	134.85	139.22	143 67	148.18	152.78	1.
16	117, 15	121.18	125.30	129.48	197 00	138.07 141.37	142.48	150 22	151.92	159 59	1
10	120.26	197 55	120.48	126 00	140 99	144.74	149 99	158 78	158.41	163 11	1
10	120.44	127.00	185 07	139.37	143.74	148.18	152.70	157.30	161.96	166.70	1
20	120.70	134 99	138.48	142.81	147.22	151.70	156.26	160.89	165.59	170.37	2
						155.30					
11	195.44	141 19	145 59	140.00	154 41	158.96	168 59	168 30	178 07	177 99	5
22	140.49	144 78	149 15	153 59	158 11	162.70	167 37	179 11	176.92	181.81	2
24	144 11	148 44	152.85	157.33	161.89	166.52	171.22	176.00	180.85	185.78	2
25	147.81	152.18	156.63	161.15	165.74	170.41	175.15	179.96	184.85	189.81	2
						174.37					
27	155 44	159 89	164 41	169.00	173.67	178.41	183.22	188.11	193.07	198.11	2
28	159.37	163.85	168.41	173.04	177.74	182.52	187.37	192.30	197.30	202.37	2
29	163.37	167.89	172.48	177.15	181.89	186.70	191.59	196.55	201.59	206.70	2
30	167.44	172.00	176.63	181.33	186.11	190.96	195.89	200.89	205.96	211.11	3
						195.30					
32	175.81	180.44	185.15	189.92	194.78	199.70	204.70	209.78	214.92	220, 15	3
38	180 11	184 78	189.52	194.33	199, 22	204.18	209.22	214.33	219.52	224.78	3
34	184.48	189.18	193.96	198.81	203.74	208.74	213.81	218.96	224.18	229.48	3
35	188.92	193.67	198.48	203.37	208.33	213.37	218.48	223.67	228.92	234.26	3.
36	193.44	198.22	203.07	208.00	213.00	218.07	223.22	228.44	233.74	239.11	3
17	198.04	202.85	207.74	212.70	217.74	222,85	228.04	233.30	238, 63	244.04	3
38	202.70	207.55	212.48	217.48	222.55	227.70	232.92	238.22	243.59	249.04	3
39	207.44	212.33	217.30	222.33	227.44	232.63	237.89	243.22	248.63	254.11	3
						237.63					
11	217.15	222.11	227.15	232.26	237.44	242.70	248.04	253.44	258.92	264.48	4
12	222.11	227.11	232.18	237.33	242.55	247.85	253.22	258.67	264.18	269.78	4
13	227.15	232.18	237.30	242.48	247.74	253.07	258.48	263.96	269.52	275.15	4
14	232.26	237.33	242.48	247.70	258.00	258.37	263.81	269, 33	274.92	280.59	4
						263.74					
16	242.70	247.85	253.07	258.37	263.74	269.18	274.70	280.30	285.96	291.70	4
47	248.04	253.92	258.48	263.81	269.22	274.70	280.26	285.89	291.59	297.37	4
48	253.44	258.67	263.96	269.33	274.78	280.30	285.89	291,55	297.30	208,11	4
49	258.92	264.18	269.52	274.92	280.41	285.96	291.09	207.80	308 09	314 91	五五
00	264.48	269.78	270.15	280.59	200.11	291.70	201.01	505.11	500.02	014.61	L
ା	41	42	43	44	45	46	47	48	49	50	1

Feet.	1	2	3	4	5	6	7	8	9	10	Foot
0	0.41	0.91	1.50	2.17	2.93	3.78	4.71	5.73	6.83	8.03	1
1	0.87	1.41	2.04	2.76	3.56	4.45	5.43	6.49	7.64	8.87	
2	1.41	2.00	2.67	3.43	4.78	5.10	6.23	7.33		9.80	1
3	2.04	2.67	3.39	4.19	5.08	6.06	7.12	8.27	9.50	10.82	
4	2.76	3.43	4.19	5.04	5.97	6.99	8.09	9.28	10.56	11.93	
5	3.56	4.78	5.08	5.97	6.94	8.01	9.15	10.39	11.71	13.12	
6	4.45	5.10	6.06	6.99	8.01	9.11	10.30	11.58	12.94	14.40	1
7	5.43	6.23	7.12	8.09	9.15	10.30	11.54	12.86		15.76	
8	6.49	7.33	8.27	9.28	10.39	11.58	12.86	14.22	15.67	17.21	
9	7.64	8,53	9.50	10.56	11.71	12.94	14.27	15.67	17.17	18.75	1
10	8.87	9.80	10.82	11.93	13.12	14.40	15.76	17.21	18.75	20.37	1
11	10.19	11.17	12.23	13.38	14.61	15.98	17.34	18.83	20.41	22.08	1
12	11.60	12.62	13.72	14.91	16.19	17.56	19.01	20.54		23.88	1
13	13.09	14.15	15.30	16.54	17.86		20.76	22.34	24.01	25.76	1
14	14.67	15.78	16.97	18.25	19.61	21.06	22.60	24.22		27.78	
15	16.34	17.49	18.72	20.04	21.45	22.94	24.53	26.19		29.78	
16	18.09	19.28	20.56	21.93	23.38	24.91	26.54	28.25	30.04	31.93	1
17	19.93	21.17	22.49	23.90	25.39	26.97	28.64	30.39		34.15	1
18	21.86		24.50	25.95	27.49		30.82	32.62	34.50	36.47	1
19	23.87	25.19	26.60		29.67		33.09	34.93			
20	25.97	27.33	28.78		31.94		35.45	37.33		41.36	
21	28.15	29.56	31.06	32.64	34.30	36.06	37.90	39.82	41.83	43.93	2
22	30.43		33.41	35.04	36.75		40.43	42.40		46.59	
23	32.78		35.86		39.28		43.04	45.06		49.34	
24	35.23		38.39	40.10			45.75	47.80		52.17	
25	37.76		41.01	42.76			48.54	50.64		55.09	
26	40.38	42.00	43.71	45.51	47.39	49.36	51.41	53.56	55.78	58.10	
27	43.08	2000 1000	46.50	48.34	50.27		54.38	56.56	Control of the Contro	61.19	
28	45.87	47.58	49.38	51.26	53.23		57.43	59.65		64.37	
29	48.75	50.50	52.34	54.27	56.28		60.56	62.83		67.64	
30	51.71	58.51	55.39	57.36	59.41	61.56	63.78	66.10	68.50	70.99	
31	54.76	56.60	58.52	60.54	62.64	64.82	67.09	69.45	71.90	74.43	3
32	57.90		61.75	63.80	65.94	68.17	70.49	72.89	75.38	77.95	
33	61.12		65.06	67.15	69.34	71.61	73.97	76.41	78.94	81.56	
34	64, 43	66.40	68.45	70.59	72.82	75.14	77.54	80.02		85.26	
35	67.82	69.83	71.93	74.12	76.39	78.75	81.19	83.72	86.34	89.04	
36	71.30	73.36	75.50	77.73	80.04	82.44	84.93	87.51	90.17	92.91	3
37	74.87	76.97	79.15	81.43	83.78		88.76				
38	78.52	80.67	82.90	85.21	87.61	90.10	92.67	95.33		100.91	
39	82.27	84.45	86.72	89.08	91.52		96.67		102.17		
10	86.09		90.64	93.04	95.52	98.10	100.76		106.34		
41	90.01	92.28	94.64	97.08	99.61	102.23	104.93	107.72	110.60	113.56	4
12	94.01	96.32				106.44					
43						110.75					
						115.14					
45						119.61					
16	7	100000000000000000000000000000000000000	A 34 C	17 19 60 1	Land to the State of the State	124.17		40.00	to the total		
						128.82					
						188.56					
						138.38					
						143.28					
					100	20.1933	13.		20.20.7	2000	-
	1	2	3	4	5	6	7	8	9	10	1

Feet.	11	12	13	14	15	16	17	18	19	20	Feet.
0	9.30	10.67	12.12	13.65	15.28	16.99	18.78	20.67	22.64	24.69	(
1	10.19	11.60	13.09	14.67	16.34	18.09	19.93	21.86		25.97	
2	11.17	12,62	14.15	15.78	17.49	19.28	21.17	23,14	25.19	27.33	1 5
3	12.23	13.72	15.30	16.97	18.72	20.56	22,49	24.50	26,60	28.78	1
4	13.38	14.91	16.54	18.25	20.04		23.90	25.95	28.09	30.32	1
5	14.61	16.19	17.86	19.61	21.45	23.38	25.39	27.49	29.67	31.94	
6	15.93	17.56	19.27	21.06	22.94	24.91	26.97	29.11	31.34	33.65	
7	17.34	19.01	20.76		24.53	26.54	28.64	30.82	33.09	35.45	
8	18.83	20.54	22.34		26.19	28.25	30.39	32.62	34.93	37.33	
9	20.41	22.17	24.01	25.93	27.94	30.04	32.23	34.50	36.86	39.30	
10	22.08	23.88	25.76	27.73	29.78	31.93	34.15	36.47	38.87	41.36	1
11	23.83	25.67	27.60	29.61	31.71	33.90	36.17	38.52	40.97	43.50	1
12	25.67	27.56	29.53		33.72		38.27	40.67	43.15	45.73	
13	27.60	29.53	31.54	33.64	35.82	38.09	40.45	42.90	45.43	48.04	1
14	29.61	31.58	33.64	35.78	38.01	40.32	42.72	45.21	47.78	50.44	
15	31.71	33.72	35.82	38,01	40.28	42.64	45.08	47.61	50.23	52.93	1
16	33.90	35.95	38.09	40.32	42.64	45.04	47.52	50.10	52.76	55.51	1
17	36.17	38.27	40.45	the first transfer and	45.08		50.06	52.67	55.38	58.17	
18	38.52	40.67	42.90	45.21	47.61	50.10	52.67	55.33	58.08	60.91	
19	40.97	43.15	45.43		50.23		55.38	58.08		63.75	
20	43.50	45.73	48.04		52.93	Section Committee	58.17	60.91	63.75	66.67	2
21	46.12	48.39	50.75	58.19	55.72	58.34	61.04	63.83	66.71	69.67	2
22	48.82	51.14	53.54		58.60		64.01	66.84	69.76	72.77	
23	51.61	53.97	56.41	58.94	61.56		67.06	69.93		75.94	
24	54.49	56.89	59.38		64,61	67.36	70.19	73.11	76,12	79.21	
25	57.45	59.90	62.43	was all	67.75	70.54	73.41	76.38		82.56	
26	60.50	62.99	65.56	4.35(25)	70.97	73.80	76.72	79.73	Contract of	86.00	9
27	63.64	66.17	68.78		74.28		80.12	83.17	86.30	89.52	
28	66.86	69.43	72.09	74.84	77.67	80.59	83.60	86.69		93.14	
29	70.17	72.78	75.49	78.28	81.15	84.12	87.17	90.30		96.83	
30	73.56	76.22	78.97	81.80	84.72		90.82	94.00		100.62	-
- 1	Trans. In the	1 4000000	100,000	9.57.25	1000000		94.56	100000	101.09	125 OF 1,05	L
31 32	77.04	79.75	82.54	85.41 89.11	88.38 92.12				105.01		
33	80.61 84.27	83.36 87.06	86.19 89.73		95.94				109.01		
34	88.01	90.84	93.76			103.04					
35	91.83	94.71				107.08					
1	15.5% Table	11-12-22-22-22-22		A 50.00 Sec. 10.00		10000	A Second Second	the second second	the Park of the last	1 m 1 m 1 m 1	
36	95.75	109 71	101.67	104.77	119 19	111.21	119 99	199 90	195 97	190 59	9
37	102 00	106 94	100.76	119 11	116 29	115.43 119.73	199 17	196 69	130 30	124 00	2
						124.12					
10	119 97	115 36	118 54	121 80	125.15	128.59	132.12	135.73	139.43	143.21	4
						133, 15					
						137.80					
14	120.56	133 49	136 79	140 99	149 75	$142.54 \\ 147.36$	151 06	154 84	158.71	162 67	1
15	134 98	138 17	141 56	145.04	148 61	152.26	156.01	159.83	163.75	167.75	4
10	139.64	142.99	146.43	149.95	150.56	157.26	166 17	170 00	174 09	178 17	4
10	144.50	150 00	151.38	104.94	100.60	162.34	171 99	175 99	179 20	188 51	1
10	154 40	157 07	161 54	165 10	168 00	$167.51 \\ 172.76$	176 67	180 67	184 76	188 02	A
50	150 61	163 14	166 75	170 44	174 99	178.10	182 05	186 10	190 28	194 44	1
"	100.01	100.14	100.75		114,25	110,10	102.00	200.10	.00.20		10
		10	10	5.1		10	15	10	10	00	٦
- 1	11	12	13	14	15	16	17	18	19	20	1

Peet	21	22	23	24	25	26	27	28	29	30	Panel
0	26.83	29.06	31.38	33.78	36.27	38.84	41.50	44.25	47.08	50.00	1
1	28.15	30.43	32.78	35.23	37.76	40.38	43.08	45.87	48.75	51.71	ı
2	29.56	31.88	34.28	36.77	39.34	42.00	44.75	47.58	50.50	53.51	
3	31.06	33.41	35.86	38.39	41.01	43.71	46.50	49.38	52.34	55.39	ı
4	32.64	35.04	37.52	40.10	42.76	45.51	48.34	51.26	54.27	57.36	
5	34.30	36.75	39.28	41.90	44.60	47.39	50,27	53.23	56.28	59.41	ŀ
6	36.06	38.54	41.12	43.78	46.52	49.36	52.28	55.28	58.38	61.56	
7	37.90	40.43	43.04	45.75	48.54	51.41	54.38	57.43	60.56	63.78	
8	39,82	42.40	45.06	47.80	50.64	53.56	56.56	59.65	62.83	66.10	1
9	41.83	44.45	47.15	49.94	52.82	55.78	58.83	61.97	65.19	68.50	
10	43.93	46.59	49.34	52.17	55.09	58.10	61.19	64.37	67.64	70.99	1
11	46.12	48.82	51.61	54.49	57.45	60.50	63.64	66.86	70.17	73.56	1
12	48.39	51.14	53.97	56.89	59.90	62.99	66.17	69.43	72.78	76,22	1
13	50.75	53.54	56,41	59.38	62.43	65.56	68.78	72.09	75.49	78.97	1
14	53,19	56.02	58.94	61.95	65.04	68.22	71.49	74.84	78.28	81.80	1
15	55.72	58.60	61.56	64.61	67.75	70.97	74.28	77.67	81.15	84.72	1
16	58.34	61.26	64.27	67.36	70.54	73.80	77.15	80.59	84.12	87.78	1
17	61.04	64.01	67.06	70.19		76.72	80.12	83.60	87.17	90.82	
18	63.83	66.84	69.93	73.11	76.38	79.73	83.17	86.69	90.30		
19	66.71	69.76	72.90	76.12	79.43	82.82	86.30	89.87	93.52	97.27	
20	69.67	72.77	75.94	79.21	82.56	86.00	89.52	93.14		100.62	
21	72.72	75.86	79.08	82.39	85.78	89.27	92.83	100000		104.06	ь.
22	75.86	79.04	82.30		89.09	92.62				107.58	
23	79.08	82.30		89.01						111.19	
24	82.39	85.65	89.01	92.44			103.28				
25	85.78	89.09	92.49				106.93				
26	10 H W	1000	Title Water	Part 24, 114	100 200	100 W 100 W	A Contract of the second	17 19 18 18 19 19	All the second	1500 00.3	
27	89.27 92.83	92.62 96.23	96.06				110.67 114.50				
28							118.41				
5.7.1	1. 10.000 10.000						122.41				
							126.50				
~ 1		0.000	COLL TI	100000	Contract of the contract of th	1000	(CSC 5/07)	1000	12/2/19/20	Carrier San	
		G-707-60	1000		F. St. St. 1969 T.		130.67	100 100 100	7.5		
							134.93				
							139.28				
							143.71				
- /	10000	Charles of the	U-16,50,700		CONTRACTOR OF	Country and	148.23	10 10 CA	The second second	100000000000000000000000000000000000000	
							152.83				
							157.52				
							162.30				
							167.17				
- 1			0.53 0.0		1000000	10/10/10/10	172.12	CONTRACT.	Charles Table	ACCOUNTS OF THE PARTY OF THE PA	
							177.15				
							182.28				
							187.49				
							192.78				
	Water William	C & V . 400	Windows Trans	North Carl	12 W 25 10 10 10 10 10 10 10 10 10 10 10 10 10	100 17 79	198.17	SALE TO SERVE	577 Call 773	The second	•
							203,63				
							209.19				
							214.83				
19	193.19	197.54	201.97	206,49	211.09	215.78	220.56	225.42	230.38	235.41	4
50	198.75	203.14	207.61	212.17	216.82	221.55	226.38	231.28	236,28	241.36	5
_			_			_	_		-	_	-

Feet	31	32	33	34	35	36	37	38	39	40	Peet.
0	53.01	56.10	59.28	62.54	65.90	69.33	72.86	76.47	80.17	83.95	-
1	54.76	57.90	61.12	64.43	67.82	71.30	74.87	78.52	82.27	86.09	1
2	56.60	59.78		66,40	69.83	73.36	76.97	80.67	84.45		2
3	58.52	61.75		68.45		75.50	79.15	82.90	86.72	7 2 2 2 2	3
5	60.54	63.80	67.15	70.59	74,12	77.73	81.43	1	89.08	6 41 700 6	4
-71		49,000	100000	72.82	4500000	(V) (V) A S	83.78	87.61	91.52	14.4 17.1	5
6	64.82 67.09	68.17 70.49	71.61 78.97	75.14		82.44	86.23	90.10	94.06		6
8	69.45	72.89		77.54 80.02	81.19 83.72	84.93 87.51	88.76 91.38	100000000000000000000000000000000000000	99.38	100.76	8
9	71.90	75.38	100 100 100 100 100 100 100 100 100 100	82.60	10000		94.08		102.17		9
10	74.43	77.95	100 100 100 100 100				Contract of the Contract			109.26	
11	77.04		84.27	88.01	91.83	95.75	7.77	100000000000000000000000000000000000000	The second second	112.27	7.
12	79.75	83.36								115.36	
13	82.54	11 1 1 1 1 1 1 1 1	100000			101.67					
14	85.41	89.11	92.89			104.77					
15	88.88	92.12	95.94	99.86	103.86	107.94	112.12	116.38	120.72	125.15	15
16	91.43	95.21	99.08	103.04	107.08	111.21	115.43	119.73	124.12	128.59	16
17	94.56		102.30								
			105.61								
			109.01								
			112.49								
21	107.97	111.97	116.06	120.23	124.49	128.83	133.27	137.78	142.39	147.08	21
22	111.54	110.08	119.71	123.93	128.23	132.62	137.09	141.65	146.30	151.04	22
20	118 99	199,28	123.45 127.28	127.71	132.06	140.44	141.01	140.61	154 20	150.08	23
			131.19								
			135.19								
27	130 67	184 98	139.28	143 71	148 98	159 83	157 59	169 80	167 17	179 19	20
28	134.76	139.06	143.45	147.93	152.49	157.14	161.87	166.69	171.60	176.59	28
			147.71								
			152.06								
31	147.54	151.97	156.49	161.09	165.78	170.56	175.43	180.38	185.40	190.53	31
32	151.97	156.44	161.01	165.65	170.39	175.21	180.12	185.11	190.19	195.36	32
33	156.49	161.01	165.61	170.30	175.08	179.94	184.89	189.93	195.05	200.26	33
34	161.09	165.65	170.30	175.04	179.86	184.76	189.76	194.84	200.01	205.26	34
			175.08								
36	170.56	175.21	179.94	184.76	189.67	194.67	199.75	204,91	210.17	215.51	36
37	175.43	180.12	184.89	189.76	194.71	199.75	204.87	210.08	215.38	220.76	37
20	105 40	185.11	189.93	194.84	199.88	204.91	210.08	215.33	220.67	226.10	38
40	190 53	195.36	195.05 200.26	205.01	210 34	210.17	210.88	996 10	220.00	231.02	40
42	201 03	200.01	205.56 210.94	210.60	210.72	220.93	226.23	281.61	249 79	242.63	41
43	206.42	211.38	216.41	221 54	226.75	232 04	237 49	242.89	248.45	254 09	43
44	211.88	216.89	221.97	227.13	232.39	237.73	243.15	248.67	254.26	259.95	44
			227.61								
40	C. 39.5 mm.	the second of	233.34	1000	Printer Age 7 miles	THE REAL PROPERTY.	- 12 V . 14 L. 1	1.00	1000000	HOLD CH	
47	228.82	233.94	239.15	244.45	249.83	255.30	260.86	266.50	272.23	278.04	47
48	234.63	239.80	245.05	250.39	255.82	261.33	266,93	272.62	278.39	284.25	48
49	240.54	245.75	251.04	256.42	261.89	267.45	273.09	278.82	284.63	290.54	49
50	246.52	251.78	257.12	262.54	268,05	273.65	279.34	285.11	290.97	296.91	50
	31	32	33	34	35	36	37	38	39	40	

Poet.	41	42	43	44	45	46	47	48	49	50	Peet
0	87.82	91.78					112.86				
1	90.01	94.01					115.30				
2	92.28	96.32	100.45	104.67	108.97	113.36	117.83	122.39	127.04	131.78	
3	94.64	98.72	102.89	107.15	111.50	119.93	120.45 123.15	120,06	129.70	134, 32	l,
5	97.08	101.21	108 04	112 39	116.82	121 34	125.94	130.64	135.41	140.28	
							128.82				
7	104 03	109.44	118 54	117.97	122.49	127.09	131.78	136.56	141.43	146.38	
8	107.72	112.02	116.41	120,89	125.45	130.10	134.83	139.65	144.56	149.56	
9	110,60	114.94	119.38	123.89	128.50	133.19	137.97	142.83	147.78	152.82	
							141.19				
11	116.61	121.04	125.56	130.17	134.86	139.64	144.50	149.45	154.49	159.61	1
12	119.75	124.22	128.78	133.43	138.17	142.99	147.89	152,89	157.97	163.14	1
13	122.97	127.49	132.09	136.78	141.56	146.43	151.38	156.41	161.54	166.75	1
14	126.28	130.84	135,49	140.22	149.04	153 56	154.94 158.60	163 79	168 92	174 93	1
16	133.15	141 41	142.04	151 06	156 01	161 04	162.34 166.17	171 38	176 67	182 05	1
18	140 28	145 11	149.93	154.84	159.83	164.91	170.08	175.33	180.67	186.10	1
19	144.12	148.89	153.76	158.71	163.75	168.87	174.08	179.38	184.76	190.23	1
20	147.94	152.76	157.67	162.67	167.75	172.91	178.17	183.51	188.93	194,44	2
21	151.86	156.72	161.67	166.71	171.83	177.04	182.34	187.72	193.19	198.75	2
99	155.86	160.76	165.76	170.84	176.01	181.26	186.60	192.02	197.54	203.14	2
23	159 94	164.89	169,93	175.05	180.26	185.56	190.94	196,41	201.97	207.61	2
24	164.12	169.11	174.19	179.36	184.61	189.95	195.38	200,89	206.49	212.17	2
							199.89				
26	172.72	177.80	182.97	188.22	193.56	198.99	204.50	210.10	215.78	221.00	2
27	177.15	182.28	109.00	192.78	202 86	200.00	209.19 213.97	214.00	220.00	231 28	9
28	186 98	191 49	196.78	202.17	207.63	213.19	218.83	224.56	230.38	236.28	2
30	190.97	196.22	201.56	206.99	212.50	218.10	223.78	229.55	235.41	241.36	3
21	195 74	201.03	206, 42	211.88	217.44	223.09	228.82	234.68	240.54	246.52	3
32	200.61	205.95	211.38	216.89	222.49	228.17	233.94	239.80	245.75	251.78	3
23	205.56	210.94	216.41	221.97	227.61	233,34	239.15	245.05	251.04	257.12	3
34	210.60	216.02	221.54	227.13	232.82	238.59	244.45	250.39	256.42	262.54	3
35	215.72	221.19	226.75	232.39	238.12	243.93	249.83	255.82	201.89	208.00	0
36	220.93	226.44	232.04	237.73	243.50	249.36	255.30	261.33	267.45	273.65	3
37	226.23	231.78	237.42	243.10	248.97	204.87	260.86 266.50	200.90 979 69	278 89	285.11	3
38	937 08	949 79	242,09	254 26	260.17	266.15	272.23	278.39	284.63	290.97	3
40	242.63	248.32	254.09	259.95	265.89	271.92	278.04	284.25	290.54	296.91	4
41	948 98	954 01	259.82	265.72	271.71	277.78	283.94	290.19	296.52	302.94	4
42	254.01	259.78	265.63	271.58	277.61	283.73	289.93	296.22	302.60	309.06	4
43	259.82	265.63	271.54	277.52	283,60	289.76	296.00	302.34	308.76	315.26	4
44	265.72	271.58	277.52	283.55	289.67	295.88	302.17	308.54	315.00	321.55	4
15	271.71	277.61	283.60	289.67	295.83	502.08	308.41	014.83	021.34	021.93	1
16	277.78	283.73	289.76	295.88	302.08	308.37	314.75	321.21	924.76	840.04	4
47	283.94	289,93	296.00	302.17	314 99	391 91	321.17 327.67	884 99	340 86	847 58	A
40	296 59	302 60	308.76	315.00	321.34	327.76	334.26	340.86	347.54	354.30	4
50	302.94	309.06	315.26	321.55	327.93	334.39	340.94	347.58	354.30	361.11	5
	41	42	43	44	45	46	47	48	49	50	1
								_			1

TABLE XV.-BASE 20.-SLOPES 4 to 1.

Peet.	1	2	3	4	5	6	7	8	9	10	Feet.
0	0.42	0.94	1.56	2.27	3.09	4.00	5.01	6.12	7.33	8.64	1
1	0.89	1.46	2.12	2.89	3.75	4.72	5.78	6.94	8.20	9.56	
2	1.46	2.07	2.79	3,61	4.52		6.64	7.85	9.16	10.57	
3	2.12	2.79	3.56	4.42	5.38		7,61	8.86	10.22	11.68	
4	2.89	3.61	4.42	5.33	6,35		8,67	9.98	11.38	12.89	
5	3.75	4.52	5.38	6.85	7.41	8.57	9.83	11.19	12.64	14.20	1
6	4.72	5.53	6.44	7.46	8.57	9.78	11.09	12.49	14.00	15,61	0
7	5.78	6.64	7.61	8.67	9.83		12.44	13.90	15.46	17,11	1
8	6.94	7.85	8.86	9.98	11.19	12.49	13.90	15.41	17.01	18.72	
9	8.20	9.16	10.22	11.38	12.64	14.00	15.46	17.01	18.67	20,42	
10	9.56	10.57	11.68	12.89	14.20	15.61	17.11	18.72	20.42	22,22	1
11	11.01	12.07	13.23	14.49	15.85	17.31	18.86	20.52	22,27	24.12	
12	12.57	13.68	14.89	16.20	17.61	19.11	20.72	22.42	24.22	26.12	
13	14.22	15.38	16.64	18.00	19.46		22.67	24.42	26.27	28,22	
14	15.98	17.19	18.49	19.90	21.41	23.01	24.72	26.52	28.42	30.42	
15	17.83	19.09	20.44	21.90	23.46	25.11	26.86	28.72	30.67	32.72	
16	19.78	21.09	22.49	24.00	25.61	27.31	29.11	31.01	33.01	35.11	
17	21.83	23.19	24.64	26,20	27.85	29,61	31.46	33.41	35.46	37.61	
18	23.98	25.38	26.89	28.49	30.20	32.00	33.90	35.90	38.00	40.20	
19	26.22	27.68	29.23	30.89	32.64	34.49 37.09	36.44 39.09	38.49	40.64	42.89	
20	28.57	30.07	31.68	33.38	35.19	1 4 5 5 V	0.0000000000000000000000000000000000000	41,19	1000000	45.68	1.
21	31.01	32.57	34.22	35.98	37.83	39.78	41.83	43.98	46.22	48.57	
22	33.56	35.16	36.86	38.67	40.57	42.57	44.67	46.86	49.16	51.56	
23	36.20	37.85	39.61	41.46	43.41	45.46	47.61 50.64	49.85	52.20	54.64	
24	38.94	40.64	42.44	44.35	46.35	51.53	53.78	52.94 56.12	55.33 58.57	57.83 61.11	
25	41.78	43.53	45.38	47.33	No. of Contract of	100		N. C. C. C.	17.5	and the second second	1
26	44.72	46.52	48.42	50.42	52.52	54.72	57.01 60.35	59.41 62.79	61.90	64.49	
27 28	47.75 50.89	49.61 52.79	51.56 54.79	56.89	55.75 59.09	58.00 61.38	63.78	66.27	65.33	67.98 71.56	
29	54.12	56.07	58.12	60.27	62.52	64.86	67.31	69.85	72.49	75.23	
30	57.46	59.46	61.56	63.75	66.05	68.44	70.94	73.53	76.22	79.01	
31	60.89	62.94	65.09	67.33	69.68	1000	74.67	77.31	80.05	82.89	
32	64.42	66.52	68.72	71.01	73.41	75.90	78.49	81.19	83.98	86.86	
33	68.05	70.20	72.44	74.79	77.23	79.78	82.42	85.16	88.00	90.94	
34	71.78	73.98	76.27	78.67	81.16	The second second	86.44	89.23	92.12	95.11	
35	75.60	77.85	80.20	82,64	85.19		90.57	93.41	96.35	99.38	
36	79.53	81.83	84.22	86.72	89.31	92.00	94.79	97.68	100.67	103.75	36
37	83.56	85.90	88.35	90.89	93.58	100000000000000000000000000000000000000		102.05			
38	87.68	90.07	92.57	95.16		100.64					
39	91.90	94.35	96.89			105.11					
40	96.22	98.72	101.31	104.00	106.79	109.68	112.67	115.75	118.94	122.22	4
41	100.64	103.19	105.83	108.57	111.41	114.35	117.38	120.52	123.75	127.09	4
42	105.16	107.75	110.44	113.23	116.12	119.11	122.20	125.38	128,67	132.09	4
43	109.78	112.42	115.16	118.00	120.94	123,98	127.11	130.35	133.68	137.11	4
44	114.49	117.18	119.98	122.86	125.85	128,94	132.12	135.41	138.79	142.27	4
45	119.31	122.05	124.89	127.83	130.86	134.00	137.23	140.57	144.00	147.53	4.
16	124.22	127.01	129.90	132.89	135.97	139.16	142.44	145.83	149.31	152.89	4
47	129.23	132.07	135.01	138.05	141,18	144.42	147.75	151.18	154.72	158.35	4
48	134.35	137,28	140.22	143.31	146.49	149.78	153.16	156.64	160.22	163.90	4
49	139.56	142.49	145.53	148.67	151.90	155,23	158.67	162, 20	165.83	169.55	4
50	144.86	147.85	150.94	154.12	157.41	160.79	164.27	167.85	171.58	175.31	5
	1	2	3	4	5	6	7	8	9	10	1

TABLE XV.-BASE 20.-SLOPES 4 to 1.

Peet.	11	12	13	14	15	16	17	18	19	20	Passe
0	10.05	11.56	13.16	14.86	16.67	18.57	20.57	22.67	24.86	27.16	
1	11.01	12.57	14.22	15.98	17.83	19.78	21.83	23.98	26.22	28.57	1
2	12.07	13.68	15.38	17.19	19,09	21.09	23.19	25.38	27.68	30.07	
3	13.23	14.89	16.64	18.49	20.44	22.49	24.64	26.89	29.23	31.68	
4	14.49	16.20	18.00	19.90	21.90	24.00		28.49	30.89	33.38	
5	15.85	17.61	19.46	21.41	23.46	Facility St. 16	27.85	30.20	32.64	35.19	1
6	17.31	19.11	21.01	23.01	25.11	27.31	29.61	32.00	34.49	37.09	
7	18.86	20.72	22.67	24.72	26.86	29.11	31.46	33.90	36.44	39.09	
8	20.52	22.42	24.42	26.52	28.72	31.01	83.41	35.90	38.49	41.19	
10	22.27 24.12	24.22 26.12	26.27 28.22	$28.42 \\ 30.42$	30.67 32.72	33.01 35.11	35.46	38.00	40.64	43.38	
53	W. T. S. C.	03/501	A 40 PM	and done	100000	7.000.000	37.61	40.20	42,89	45.68	1
11	26.07	28.12	30.27	33.52	34.86	37.31	89.85	42.49	45.23	48.07	
12 13	28.12 30.27	30.22 32.42	32.42 34.67	34.72 37.01	37.11 39.46	39.61 42.00	42.20	44.89	47.68	50.57	
14	32.52	34.72	37.01	39.41	41.90	44.49	47.19	47.38 49.98	50.22 52.86	53.16 55.85	ь.
15	34.86	37.11	39.46	41.90	44.44	47.09	49.83	52.67	55.61	58.64	
16	37.31	39.61	42.00	A 740 - 1-1-	47.09	49.78	52.57			12.00	1
17	39.85	42.20	44.64	44.49	49.83	52.57	55.41	55.46	58.44	61.53 64.52	
18	42.49	44.89	47.38	49.98	52.67	55.46	58.35	58.35 61.33	61.38	67.61	
19	45.23	47.68	50.22	52.86	55.61	58.44	61.38	64.42	67.56	70.79	
20	48.07	50.57	53.16	55.85	58.64		64.52	67.61	70.79	74.07	
21	51.01	53.56	56.20	58.94	61.78	100000000000000000000000000000000000000	67.75	70.89	74.12	77.46	ь.
22	54.05	56.64	59.33	62.12	65.01	68.00	71.09	74.27	77.56	80.94	
23	57.19	59.83	62.57	65.41	68.35	71.38	74.52	77.75	81.09	84.52	
24	60.42	63.11	65.90	68.79	71.78	74.86	78.05	81.33	84.72	88.20	
25	63.75	66.49	69.33	72.27	75.31	78.44	81.68	85.01	88.44		
26	67.19	69.98	72.86	75.85	78.94	82.12	85.41	88.79	92.27	95.85	9
27	70.72	73.56	76.49	79.58	82.67	85.90	89.23	92.67	96.20		
28	74.35	77.23	80.22	83.31	86.49	89.78			100.22		
29	78.07	81.01	84.05	87.19	90.42	98.75	97.19		104.35		
30	81.90	84.89	87.98	91,16	94.44	97.83	101.31	104.89	108.57	112.35	k
31	85.83	88.86	92.00	95.23	98.57	102.00	105.53	109.16	112,89	116.72	k
32	89.85	92.94	96.12	99.41			109.85				
33	93.98	97.11	100.35	103.68	107.11	110.64	114.27	118.00	121.83	125.75	ŀ
34	98.20	101.38	104.67	108.05	111.53	115.11	118.79	122.57	126.44	130.42	1
35							123.41				
36	106.94	110.22	113.60	117.09	120.67	124.35	128.12	132.00	135.97	140.05	1
37	111.46	114.79	118.22	121.75	125.38	129.11	132,94	136.86	140.89	145.01	ŀ
	116.07										
10	120.79	199 00	189 07	196 95	140 19	144 00	142.86	159 0	150.01	160.23	1
	125.60										
11	130.52	134.05	137.68	141.41	145.23	149.16	153.18	157.31	161.53	165.85	14
12	135.53	144 97	142.79	146.57	155.44	154.42	168.49	162.67	166,94	171.81	19
	140.64										
	145.85 151.16										
		V		1.25		Landau Barbari	the second second second	A company of the	to the same of the same of	A service of the service of	
17	156.57	165 00	160 00	179 05	172.27	100.44	180.72	185.09	189.55	194.12	1
18	162.07	171 55	175 59	179 60	189 70	188 05	100.02	196 90	201 40	200.07	1
19	167.68 173.88	177.81	181.98	185 46	189 69	194 00	198 49	202 04	201.46	219 97	1
50	179.18	183.16	187.28	191.41	195.68	200.05	204.52	209.09	213.75	218.52	1
-		0.510.00	70700					10000	-		-
	11	12	13	14	15	16	17	18	19	20	1

TABLE XV.-BASE 20.-SLOPES 4 to 1.

Feet.	21	22	23	24	25	26	27	28	29	30	Post.
0	29.56	32.05	34.64	37.33	40.12	43.01	46.00	49.09	52.27	55.56	1
1	31.01	33.56	36,20	38.94	41.78	44.72	47.75	50.89	54.12	57.46	0
2	32.57	35.16		40.64	43.53		49.61	52.79	56.07	59.46	1
3	34.22	36.86		42.44	45.38		51.56	54.79	58.12	61.56	1
4	35.98	38.67	41.46	44.35	47.33	50.42	53.61 55.75	56.89 59.09	60.27	63.75	1
5	37.83	40.57	43.41	46.35	49.38	100000000000000000000000000000000000000	The second section in	50000	62.52	66.05	
6	39.78	42.57	45.46	48.44	51.53		58.00	61.38	64.86	68.44	1
7	41.83	44.67	47.61	50.64	53.78		60.35 62.79	63.78 66.27	67.31	70.94	1
8	43.98	46.86	49.85 52.20	52.94 55.33	56.12 58.57	59.41 61.90	65.33	68.86	69.85 72.49	78.53	
10		51.56		57.83	61.11	64.49	67.98	71.56	75.23	79.01	
11	51.01	54.05	57.19	60.42	63.75	67.19	70.72	74.35	78.07	81.90	
12	53.56	The second second	59.83	63.11	66.49	69.98	73.56	77.23	81.01	84.89	
13			62.57	65.90	69.33		76.49	80.22	84.05	87.98	
14	58.94	62.12	65.41	68.79	72.27	75.85	79.53	83,31	87.19	91.16	
15	61.78	65.01	68.35	71.78	75.81	78.94	82.67	86.49	90.42	94.44	1
16	64.72		71.38	74.86	78.44	82.12	85.90	89.78	93.75	97.83	1
17	67.75	71.09	74.52	78.05	81.68		89.23	93.16		101.31	
18	70.89	74.27	77.75	81.33	85.01	88.79	92.67	96.64	100.72	104.89	1
19	74.12	77.56	81.09	84.72	88.44	92.27	96.20	100.22	104.35	108.57	1
20	77.46	80.94	84.52	88.20	91.98	95.85	99.83	103.90	108.07	112.35	2
21	80.89	84.42	88.05	91.78	95.60	99.53	103.56	107.68	111.90	116.22	2
22	84.42	88.00	91.68	95.46		103.31					
23	88.05	91.68	95.41			107.18					
24	91.78	95.46	99.23	103.11	107.09	111.16	115.33	119.60	123.98	128.44	2
25	95.60					115.23					
26	99.53	103.31	107.18	111.16	115.23	119,41	123.68	128.81	132.52	137.09	2
27	103.56	107.38	111.31	115.33	119.46	123.68	128.00	132.42	136.94	141.56	2
28	107.68	111.56	115.53	119.60	123,78	128.81	132.42	141 40	141.46	146.12	2
29	111.90	110.85	119.80	199 44	120.20	132.52 137.09	141 56	146 19	150.79	155 56	3
31	120.64	124.67	128.79	133.01	149 05	141.75	151 00	155 75	100.60	160.42	9
						$146.52 \\ 151.38$					
						156.85					
35	189 81	143.53	147.85	152.27	156.79	161.41	166.12	170.94	175.85	180.86	3
	100000 0000	With the Court of		the beautiful the first	the state of the state of	166.57	and the second second		and the property of the		
						171.83					
38	154.35	158.72	163.18	167.75	172.42	177.18	182.05	187.01	192.07	197.23	3
39	159.56	163.97	168.49	173.11	177.83	182.64	187.55	192.57	197.68	202.89	3
40	164.86	169.33	173.90	178.57	183.33	188.20	193.16	198.22	203.38	208.64	4
						193.85					
42	175.78	180.35	185.01	189.78	194.64	199.60	204.67	209.83	215.09	220.44	4
43	181.38	186.00	190 72	195.53	200.44	205.46	210.57	215.78	221.09	226.49	4
44	187.09	191.75	196.52	201.38	206.34	211.41	216.57	221.83	227.18	232.64	4
						217.46					
46	198.79	203.55	208,42	213,38	218.44	223.60	228.86	234.22	239.68	245.23	4
47	204.79	209.60	214.52	219.53	224.64	229.85	235,16	240.57	246.07	251.68	4
48	210,89	215.75	220.72	225.78	230.94	236.20	241.55	247.01	252.57	258.22	4
49	217.09	222.00	227.01	232.12	237.33	242.64	248.05	253.55	209,16	264.86	4
50	223.38	228.34	233.41	238.57	243.83	249.18	204.64	260.20	200.80	271.60	0
	-01	-00	-00	0.4	0.	00	07	00	90	20	T
ш	21	22	23	24	25	26	27	28	29	30	1

TABLE XV.-BASE 20.-SLOPES 4 to 1.

Fee	31	32	33	34	35	36	37	38	39	40	Peet.
0	58.94	62.42	66.00	69.68	73.46	77.33	81.31	85.38	89.56	93,83	-
1	60.89		68.05	71.78		10.010.000	83.56	87.68	91.90	250000	
2	62.94		70.20	73.98		1000			94.35		1
3	65.09	68.72	72.44	76.27	80.20	84.22	88.35	92.57	96.89	101,31	1
4	67.33	71.01	74.79	78.67	82.64	86.72	90.89	95.16	99.53	104.00	
5	69.68	73.41	77.23	81.16	85.19	89.31	93.53	97.85	102.27	106.79	1
6	72.12	75.90	79.78	83.75	87.83	92.00	96.27	100.64	105.11	109.68	
7	74.67	78.49	82.42	86.44	90.57				108.05		3
8	77.31	81.19	85.16	89.23			102.05				1
9	80.05	83.98	88.00	92.12			105.09				
01	82.89	86.86	90.94	95.11			108.22				1
11	85.83	89.85	93.98	98 90	1375 Kr.	140,000	111.46		1000	Mark Inch	
12	88.86						114.79				
13	92.00						118.22				
14	95.23						121.75				
15							125.38				
	C001000	20,000,000	A	7	00000000	200	129.11	100000	CONCOR	J. A. S. J.	0
							132.94				
							136.86				
							140.89				
							145.01				
		COLD THE R	10 V 10 V	Activities and	Water Sand	6.200	Autorities for the		Section 1	Service Co.	
							149.23				
							153.56 157.97				
							162.49				
		Call State Street Street			20072		167.11	Charles Mary 1921			
- 1		1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	500000		The second of		Contract Sec.		0.000000	1000	
							171.83				
							176.64				
00	155 60	100.70	160.72	170 64	175 95	101 10	181.55	109 07	192.57	909 99	2
20	160.49	165 29	170 44	175 60	180 86	186 99	186.57 191.68	192.07	909 80	208 64	2
	700.34	200000				24 - 40	0.00				
							196.89				
							202.20				
							207.60				
							213.11				
- 1		USS 275 WOL	200	34742	2000	200	218,72		7.75	3 / 5 / 5 / 5	150
							224.42				
							230.22				
							236.12				
							242.12				
	77. 4. 4.	17237 8539	276 200		5.27.20	200.00	248.22	St. March	N. S. M. S. M.	A 100 (100)	
							254.42				
							260.71				
							267.11				
							273.60				
	A (Co. 17)	12/21/20/20/2			2000	F	280.20	1000			
							286,89				
							293,68				
							300,57				
							307.55				
0	277.46	283.41	289,46	295.60	301.85	308, 20	314.64	321, 18	327.83	334.57	5
-					11.70	1051	Towns of		10/5/1	115	1
- 1	31	32	33	34	35	36	37	38	39	40	

TABLE XV.-BASE 20.-SLOPES 4 to 1.

Feet	41	42	43	44	45	46	47	48	49	50	Foot.
0	98, 20	102.67	107.23	111.90	116.67	121.53	126.49	131.56	136.72	141.97	-
			109.78								
			112.42								
			115.16								
			118.00								
			120.94	200 000 0000			1	1.1.0.1.1.2		20000	1
			123.98								
			127.11								
			130.35 133.68								
			137.11								
		and the same of		The second second		A second		The second second	The same of the same	AL AND THE PARTY OF THE PARTY O	1
			140.64 144.27								
			148.00								
			151.83								
			155.75								
2.1		The second second	159.78	100000000	State of the state	The second second	7 TO 10 TO 1	17.12.15.6	70.000	Land Service	
			163.90								
			168.12								
			172.44								
			176.86								
21	170.27	175.78	181.38	187.09	192.89	198.79	204.79	210.89	217.09	223 38	21
22	174.79	180.35	186.00	191.75	197.60	203.55	209.60	215.75	222.00	228.34	22
			190.72								
24	184.12	189.78	195.53	201.38	207.33	213.38	219.58	225.78	232.12	238,57	24
25	188.94	194.64	200.44	206.34	212.34	218,44	224.64	230.94	237.33	243.83	25
26	193.85	199,60	205.46	211.41	217.46	223.60	229.85	236.20	242.64	249.18	26
27	198.86	204.67	210.57	216.57	222.67	228.86	235.16	241.55	248.05	254.64	27
			215.78								
			221.09								
30	214.49	220.44	226,49	232.64	238,89	245.23	251.68	258,22	264.86	271.60	30
31	219.90	225.90	232.00	238, 20	244.49	250.89	257.38	263.97	270.67	277.46	31
			237.60								
33	231.01	237.11	243.31	249.60	256.00	262.49	269.09	275.78	282.57	289,46	33
34	236.72	242.86	249.11	255.46	261.90	268.44	275.09	281.83	288.67	295,60	34
- 4		Christian Co.	255.01	Comment was		Contract to the contract to th	1 100 100 100			1000	100
36	248.42	254.67	261.01	267.46	274.00	280.64	287.38	294.22	301.16	308.20	36
37	254.42	260.71	267.11	273.60	280.20	286.89	293.68	300.57	307.55	314.64	37
			273.31								
			279.60								
- 1			286.00		1	1000	1		Action and a second	17 - 2 - 17 - 17 - 17	
			292.49								
10	909 40	292.44	299.09 305.78	819 57	210 40	296 44	220,64	240 71	248 00	348.34	42
			312.57								
			319.46								
2.1		1 - 1 22	A SHYY LIFE	Figure 4 TH	the second second	a side one	NAME OF TAXABLE PARTY.		1. 1. 14/1/15 17 17	11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
			326.44 333.53								
			340.71								
49	334.19	341.01	348.00	355.08	362.27	369.55	376 94	384 49	392 00	399 68	40
50	341.41	348.34	355.38	362.52	369.75	377.08	384.52	392.05	399.68	407.41	50
7	41	42	43	44	45	46	47	48	49	50	-

TABLE XVI.-BASE 25-SLOPES 3 to 1.

Feet.	1	2	3	4	5	6	7	8	9	10	Post
0	0.50	1.07	1.72	2.44	3.24	4.11	5.06	6.07	7.17	8.33	-
1	1.04	1.65	2.83		3.93	4.83	5.81	6.87	8.00	9.20	
2	1.65	2.30	8.02	3.81	4.69	5.63	6.65	7.74	8.91	10.15	
3	2.33	3.02	3.78		5.52	6.50	7.56	8,69	9.89	11,17	
4	3.09	3.81	4.61	5.48	6.43	7.44	8.54	9.70	10.94	12.26	
5	3.93	4.69	5.52	1 257	7.41	8.46	15 to 15 miles	10.80	the sales and	13.43	
6	4.83		6.50		8.46			11.96		14.67	1
7	5.81	6.65	7.56		9.59	10.72		13.20 14.52		15.98	
8	6.87 8.00	7.74	8.69 9.89			11.96 13.28		15.91	15.91 17.33	17.37 18.83	
10	9.20		11.17		13.43	14.67	15.98	17.37	18.83	20.37	
11	10.48	100 March	12.52	12.20	14.85	16.13	100	18.91	20.41	21.98	
12	11.83	20002	13.94		16.35	17.67	19.06	20.52		23.67	
13	13.26		15.44		17.93	19.28		22,20			
14	14.76		17.02			20.96	22.43	28.96	25.57	27.26	þ
15	16.33		18.67	19.94	21.30	22.72	24.22	25.80	27.44	29.17	1
16	17.98		20.39		23.09	24,56		27.70		31.15	
17	19.70		22.19		24.96			29.69		33.20	
18	21.50					28.44				85.88	
19	23.37		26.00					33.87		37.54	
20	25.31	26.63	L. Carlosson	The second second	PC030000	32.63	14 15 (34)	36.07	100000	39.81	ь
21	27.33		30.11	31.61	33.19	34.88		38.35		42.17	
22	29.43		32.28		35.43		38.87	40.70		44.59 47.09	
23 24	31.59	the second second	34.52		37.74 40.13			45.63		49.67	
25	36.15		36.83		42.59						
26	38.54	1 15 14 A 18 15 15	41.69	Part of the I	DOM: NO	12000 100	N. J. S. J. S. of	50.85	52.91	55.04	I.
27	41.00		44.22			49.61		58.57	55.67	57.83	1
28	43.54		46.88					56.37	58.50	60.70	12
29	46.15	47.80	49.52	51.31	53.19	55.13		59.24	61.41	63.65	
30	48.83	50.52	52.28	54.11	56.02	58.00		62.19	64.39	66.67	ı.
31	51.59		55.11					65.20		69.76	
32	54.43		58.02			63.96		68.30		72.93	1
33	57.33					67.06		71.46		76.17	
34 35	60.31 63.37	62.15	64.06			70.22	72.43	74.70	77.06 80.41	79.48 82.87	
36		65.24	67.19	The Auto-	71.30	73.46	1000	81.41	83.83	86.33	ш
36	66.50	68.41	70.39 73.67			76.78 80.17	79.06 82.48	84.87	87.33	89.87	
38	72.98		77.02			83.63		88.41	90.91	93.48	
39	76.33		80.44		84.85	87.17	89.56	92.00	94.56	Carlos Carlos	
40	79.76		83.94			90.78	1 2 2 2 2 2	95.70		100.93	
41	83.26	10,000	87.52	Marie Co.	100000000000000000000000000000000000000	94.46				104.76	
42	86.83		91.17	93.44						108.67	
43	90.48		94.89							112.65	
44	94.20	96.41	98.69	101.04	103.46	105.96	108.54	111.19	118.91	116.70	1
45										120.83	
46	101.87	104.15	106.50	108.93	111.43	114.00	116.65	119.37	122.17	125.04	1
47	105.81	108.13	110.52	112.98	110.52	118.13	120.81	125.57	120.41	129.31	1
40	113 09	116 21	114.61	191 21	199 09	196 61	199 27	132 90	135 11	133.67 138.09	1
50	118.09	120.52	123.02	125.59	128.24	130.96	133.76	136.63	139.57	142.59	
-	1	2	100	4	5	6	7	8	9	10	-
- 1		4	3	4	0	O	4	0	9	10	1

Peet.	11	12	13	14	15	16	17	18	19	20	Foot
0	9.57	10.89	12.28	13.74	15.28	16.89	18.57	19.33	22.17	24.07	,
1	10.48	11.83	13.26	14.76	16.33	17.98	19.70	21.50	23.37	25.31	13
2	11.46	12.85	14.31	15.85	17.46	19.15	20.91	22.74	24.65	26.63	
3	12.52	13.94	15.44	17.02	18.67	20.39	22.19	24.06	26.00	28.02	
4	13.65	15.11	16.65	18.26	19.94	21.70	23.54	25.44	27.43	29.48	
-5	14.85	16.35	17.93	19.57	21.30	23.09	24.96	26.91	28.93	31.02	1
6	16.13	17.67	19.28	20.96	22.72	24.56	26.46	28.44	30.50	32.63	
7	17.48	19.06	20.70	22.43	24.22	26.09	28.04	30.06	32.15	34.31	
8	18.91	20.52	22.20	23.96	25.80	27.70	29.69	31.74	33.87	36.07	
9	20.41	22.06	23.78	25.57	27.44	29.39	31.41	33.50	35.67	37.91	
10	21.98	23.67	25.43	27.26	29.17	31.15	33.20	35.33	37.54	39.81	1
11	23.63	25.35	27.15	29.02	30.96	32.98	35.07	37.24	39.48	41.80	1
12	25.35	27.11	28.94	30.85	32.83	34.89	37.02	39.22	41.50	43.85	1
13	27.15	28.94	30.81	32.76	34.78	36.87	39.04	41.28	43.59	45.98	1
14	29.02	30.85	32.76	34.74	36.80	38.93	41.13	43.41	45.76	48.19	1
15	30.96	32.83	34.78	36.80	38.89	41.06	43.30	45.61	48.00	50.46	1
16	32.98	34.89	36.87	38.93	41.06	43.26	45.54	47.89	50.81	52.81	1
17	35.07	37.02	39.04	41.13	43.30	45.54	47.85	50.24	52.70	55.24	
18	37.24	39.22	41.28	43.41	45.61	47.89	50.24	52.67	55.17	57.74	
19	39.48	41.50	43.59	45.76	48.00	50.31	52.70	55.17	57.70	60.31	
20	41.80	43.85	45.98	48.19	50.46	52.81	55.24	57.74	60.31	62.96	
21	44.19	46.28	48.44	50.69	53.00	55.39	57.85	60.39	63.00	65.69	2
22	46.65	48.78	50.98	53.26	55.61	58.04	60.54	63.11	65.76	68.48	
23	49.19	51.35	53.59	55.91	58.30	60.76	63.30	65.91	68.59	71.35	
24	51.80	54.00	56.28	58.63	61.06	63.56	66.13	68.78	71.50	74.30	
25	54.48	56.72	59.04	61.43	63.89	66.43	69.04	71.72	74.48	77.31	
26	57.24	59.52	61.87	64.30	66.80	69.87	72.02	74.74	77.54	80.41	
27	60.07	62.39	64.78	67.24	69.78	72.39	75.07	77.83	80.67	83.57	
28	62.98	65.33	67.76	70.26	72.83	75.48	78.20	81.00	83.87	86.81	
29	65.96	68.35	70.81	73.35	75.96	78.65	81.41	84.24	87.15	90.13	
30	69.02	71.44	73.94	76.52	79.17	81.89	84.69	87.56	90.50	93.52	
31	72.15	74.61	77.15	79.76	82,44	85.20	88.04	90.94	93.93	96.98	10
32	75.35	77.85	80.43	83.07	85.80	88.59	91.46	94.41		100.52	
33	78.63	81.17	83.78	86.46	89.22	92.06	94.96			104.13	
34	81.98	84.56	87.20		92.72	95.59				107.81	
35	85.41	88.02	90.70	93.46	96.30					111.57	
36	88.91	91.56	94.28	1.00	Davie Since	C. 2011	and the second	100 90 90 1	La Tital Control	115.41	1.
37	92.48	95.17								119.31	
38	96.13									123.30	
39										127.35	
10										131.48	
- 1					1000		200			135.69	
										139.96	
										144.31	
										148.74	
										153.24	
3.3	The second of	0.300	W = 7 10 10	N 1975 W 1	the second second	The same of the same	the same that the	2.2	1.6 5 6.	1 7 2 5 5 TV	1
										157.81	
										162.46	
49	141 15	144 99	147 49	150 76	154 11	157 54	161 04	164 61	168 96	167.19 171.98	1
										176,85	
	110.00	110.00	102.00	100.11	100.00	102.20	100.00	200.11	-10.00	-10,00	-
	Ind Land	12	1	0.000			11 12 0 12 1		100		1

Peet	21	22	23	24	25	26	27	28	29	30	Feet.
0	26.06	28.11	30.24	32.44	34.72	37.07	39.50	42.00	44.57	47.22	-
1	27.33	29.43		33.83	36.15	38.54	41.00	43.54	46.15	48.83	1
2	28.69	30.81	33.02	35.30	37.65	40.07	42.57	45.15	47.80	50.52	1
3	30.11	32.28	34.52	36.83	39,22	41.69	44.22	46,83	49.52	52.28	1
4	31.61	33.81	36.09	38.44	40.87	43.37	45.94	48.59	51.31	54.11	1
5	33.19	35.43	37.74	40.13	42.59	45.13	47.74	50.43	53.19	56.02	1
6	34.83	37.11	39.46	41.89	44.39	46.96	49.61	52.33	55.13	58.00	
7	36.56	38.87	41.26	43.72	46.26	48.87	51.56	54.31	57.15	60.06	1
8	38.35	40.70	43.13	45.63	48.20	50.85	58.57	56.37	59.24	62.19	1
9	40.22	42.61	45.07	47.61	50.22	52.91	55.67	58.50	61.41	64.39	1
10	42.17	44.59	47.09	49.67	52.31	55.04	57.83	60.70	63.65	66.67	1
11	44.19	46.65	49.19	51.80	54.48	57.24	60.07	62.98	65.96	69.02	1
12	46.28	48.78	51.35	54.00	56.72	59.52	62.39	65.33	68.35	71.44	
13	48.44	50.98	53.59	56.28	59.04	61.87	64.78	67.76	70.81	73.94	
14	50.69	53.26	55.91	58.63	61.43	64.30	67.24	70.26	73.35	76.52	
15	53.00	55.61	58.30	61.06	63.89	66.80	69.78	72.83	75.96	79.17	
16	55.39	58.04	60.76	63.56	66.43	69.37	72.39	75.48	78.65	81.89	11
17	57.85	60.54	63.30	66.13	69.04	72.02	75.07	78.20	81.41	84.69	
18	60.39	63.11	65.91	68.78	71.72	74.74	77.83	81.00	84.24	87.56	
19	63.00	65.76	68.59	71.50	74.48	77.54	80.67	83.87	87.15	90.50	
20	65.69	68.48	71.35	74.30	77.31	80.41	83.57	86.81	90.13	93.52	
21	68.44	71.28	74.19	77.17	80.22	83.85	86.56	89.83	93.19	96.61	
22	71.28	74.15	77.09	80.11	83.20	86.37	89.61	92.93	96.31	99.78	
23	74.19	77.09	80.07	83.13	86.26	89.46		96.09		103.02	
24	77.17	80.11	83.13	86.22	89.39	92.63			102.80	106.33	2
25	80.22	83.20	86.26	89.39	92.59					109.72	
200	10000000	165	100000		12/3/19/3	10 PM 10 PM 11	(+(+) -, t	Notice of the last	11 - 12 - 13	113.19	-
$\frac{26}{27}$	83.35	86.37	89.46 92.74	92.63 95.94	95.87					116.72	
28	86.56 89.83	89.61 92.93	96.09							120.33	
29	93.19	96.31	10 2 2 7 2 2 2 1							124.02	
30	96.61									127.78	
200	10000	A	C10000	3.00			COCCL 120	2,500,000			
										131.61	
										135.52 139.50	
										143.56	
										147.69	
0.74	Committee and the second		P - 4. V - 4	1		a production of the second	the control providence of	Training the same of the same of			
										151.89	
										156.17	
98	126.69	130.15	107 05	141.50	145 99	144.74	159 80	156 99	160.40	160.52	38
40	130.78	199 40	149 00	141.00	140.22	152 97	157 98	161 96	165 81	$164.94 \\ 169.44$	4
-			pro-	por 1-10 1.1		1				100	
41	139.19	142.76	146.41	150.13	153.93	157.80	161.74	165.76	169.85	174.02	4
42	143.50	147.11	150.80	154.56	158.39	162.80	170 00	170.88	174.46	178.67	45
43	147.89	151.54	150.26	109.06	162.93	171 50	175 57	179 70	183 01	183.39	4
44	152.35	156.04	159,80	168.68	157.04	171.52	190.07	179.70	188 74	188.19	4
100	1				1.00	10000000	A STATE OF THE PARTY OF	and the second second	free to sent the sent of	193.06	
46	161.50	165.26	169.09	173.00	176.98	181.04	185.17	189.37	193.65	198.00	4
47	166.19	169.98	173.85	177.80	181.81	185.91	190.07	194.31	198.63	203.02	4
48	170.94	174.78	178.69	182.67	186.72	190.85	195.06	199.33	203.69	208.11	4
49	175.78	179.65	183.59	187.61	191.70	195.87	200.11	204.43	208.81	213.28	4
50	180.69	184.59	188.57	192.63	196,76	200.96	205.24	209.59	214.02	218,52	51
	21	22	23	24	25	26	27	28	29	30	

Peet	31	32	33	34	35	36	37	38	39	40	Foot.
0	49.92	52.74	55.61	58.56	61.57	64.67	67.83	71.07	74.39	77.78	(
1	51.59	54.43	57.33	60.31	68.37	66.50	69.70	72.98	76.33	79.76	1
2	53.31	56.19	59.13	62.15	65.24	68.41	71.65	74.96	78.35	81.81	2
3	55.11	58.02	61.00	64.06	67.19	70.39	73.67	77.02	80.44	83.94	1
4	56.98	59.93	62.94	66.04	69.20	72.44	75.76	79.15	82,61	86.15	4
5	58,93	61.91	64.96	68.09	71.30	74.57	77.93	81.35	84.85	88.43	1
6	60.94	63.96	67.06	70.22	73.46	76.78	80.17	83.63	87.17	90.78	
7	63.04	66.09	69.22	72.43	75.70	79.06	82.48	85.98	89.56	93.20	1
8	65.20	68.30	71.46	74.70	78.02	81.41	84.87	88.41	92.02	95.70	1
9	67.44	70.57	73.78	77.06	80.41	83.83	87.33	90.91	94.56	98.28	1
10	69.76	72.93	76.17	79,48	82.87	86.33	89.87	93.48	97.17	100.93	10
11	72.15	75.35	78.63	81.98	85.41	88.91	92.48	96.13	99.85	103.65	1
12	74.61	77.85	81.17	84.56		91.56	D (42)		102.61		
13	77.15	80.48	83.78	Contract of the			100		105.44		
14	79.76	83.07	86.46		1.554 70		100.76				
15	82.44	85.80	89.22	92.72	96.80		103.67				
16	85.20	88.59	92.06	95.59	00 90	200 00 00 00	106.65	3 200 211	The Color of the	10 mm/m/m - 1	
17	88.04	91.46	10.000				109.70				
18	90.94	94.41					112.83				
19	93.93						116.04				
20		100.52									
- 1	11	US 1145 C 14 N	100000000000000000000000000000000000000	1 < 9 . 1 - 1	PC 26 0 20	Company of the same	1	P-049 N-0444	No. of the last of	A 400 C V V	
		103.69									
		106.93									
		110.24									
		113.63									
	DO LO CAN	117.09	C. 27 P. C. 27	100000	Carrier and	100 100 100	C. C. C. C. C.		1100 1 1 1 1 1 1	U0.0.707	
		120.63									
		124.24									
		127.93									
		131.69									
30	131.61	135.52	139.50	143.56	147.69	151.89	156.17	160.52	164.94	169,44	30
31	135.48	139,43	143.44	147.54	151.70	155.94	160.26	164.65	169.11	173.65	3
		143.41									
		147.46									
		151.59									
35	151.70	155.80	159.96	164.20	168.52	172.91	177.37	181.91	186.52	191.20	3
36	155 94	160.07	164 28	168 56	172 91	177 33	181.88	188 41	191 06	195.78	31
		164.43									
		168.85									
		173.35									
		177.93									
		182.57	A Company of the		477 74 75		The second second		The second second	Carlot Carlot	
		187.30									
		192.09									
		196.96									
		201.91									
		A STATE OF THE PARTY OF THE PAR	100000000000000000000000000000000000000		The second second	1770	LINEY BEING	Vi. 0.3 ***	E 1102 CTY	The state of the s	Hor.
		206.93									
		212.02									
		217.19									
		222.43									
00	223.09	227.74	232,46	257.26	242.13	247.07	252.09	257.19	262,35	267,59	0
	31	32	33	34	35	36	37	38	39	40	

TABLE XVL_BASE 25.—SLOPES 3 to 1.

Peet	41	42	43	44	45	46	47	48	49	50	Foot.
0	81.24	84.78	88.39	92.07	95.83	99.67	103.57	107.56	111.61	115.74	1
1	83.26	100	90.48	94.20		101.87					
2	85.35	88.96	92.65			104.15					1
3	87.52	91.17	94.89	98.69	102.56	106.50	110.52	114.61	118.78	123.02	0
4	89.76	93.44	97.20	101.04	104.94	108.93	112.98	117.11	121.31	125.59	1
5	92.07	95.80	99.59	103.46	107.41	111,43	115.52	119.69	123.93	128.24	
6	94.46	98.22	102.06	105.96	109.94	114.00	118, 13	122.33	126.61	130.96	į,
7						116.65					
8	99.46	103.30	107.20	111.19	115.24	119.37	123.57	127.85	132.20	136.63	
9	102.07	105.94	109.89	113.91	118.00	122.17	126.41	130.72	135.11	139.57	1
10	104.76	108.67	112.65	116.70	120.83	125.04	129.31	133.67	138.09	142.59	1
11	107.52	111.46	115.48	119.57	123.74	127.98	132.30	136.69	141.15	145.69	1
						131.00					
						134.09					
						137.26					
15	119.30	123.39	127.56	131.80	136.11	140.50	144.96	149.50	154.11	158.80	1
16	199 48	126 56	130 76	135 04	139.39	143.81	148.31	159 89	157.54	162 26	1
						147.20					
						150.67					
						154.20					
						157.81					
		KATOMY.	Branch Miller	S 19-100-1-1	and the later	161.50	100000	24,000,000	17 THE 19	HERE THE	Ŀ
						165.26					
						169.09					
						173.00					
						176.98					
3-		Comment.		1000	ingenia and	1000000	1225	CAN 20			L
						181.04 185.17					
						189.37					
						193.65					
						198.00					
		the state of the s	The second second	DOLLAR COM	The second second	of and ballion of	and the late of		the same of the same of	A Committee of the Comm	
						202.43					
						206.93					
						211.50 216.15					
						220.87					
		1000				2000		1000		1000	L
						225.67					
						230.54					
						235.48 240.50					
						245.59					
21		- 1 CO - 1 CO	MARCON CO.	7.00 9.0000		7.00	20070000000	100000000000000000000000000000000000000	OF SECTION 2012	200000000000000000000000000000000000000	1
						250.76					
						256.00					
						261.31					
						266.70 272.17					
		1.74	100	A1 1	1990	No. of the said	100000000000000000000000000000000000000	2.00	1. 1. 1	1	т:
						277.70					
						283.31					
						289.00					
						294.76					
90	272.91	278.30	288.76	200.30	294.91	300.59	000.35	o12, 19	010,09	324.07	1
	41	42	43	44	45	46	47	48	49	50	ĺ

Feet.	1	2	3	4	5	6	7	8	9	10	Feet.
0	0.54	1.11	1.72	2.37	3.05	3.78	4.54	5.33	6.17	7.04	,
1	1.09	1.68	2.31	2.98	3.68	4.42	5.20	6.02	6.87	7.76	
2	1.68	2.30	2.94	3.63	4.35	5.11	5.91	6.74	7.61	8.52	1
3	2.31	2.94	3.61	4.31	5.05	5,83	6.65	7.50	8.39	9.31	
4	2.98	3.63	4.31	5.04	5.80	6.59	7.42	8,30	9.20	10.15	١,
5	3.68	4.35	5.05	5.80	6.57	7.39	8.24	9.13	10.05	11.02	
- 1	200000	100 100 100	115000	1000	1000000		1,3000	123700	ACC STATE		
6	4.42	5.11	5.83	6.59	7.89	8.22	9.09	10.00	10.94	11.92	
7	5.20	5.91	6.65	7.42	8.24	9.09	9.98	10.91	11.87	12.87	1
8	6.02	6.74	7.50	8.30	9.13	10.00	10.91	11.85	12,83	13,85	
9	6.87	7.61	8.39	9.20	10.05	10.94	11.87	12.83	13.83	14.87	13
10	7.75	8.52	9.31	10.15	11.02	11.92	12.87	13.85	14.87	15,92	1
11	8.68	9.46	10.28	11.13	12.02	12.94	13.91	14.91	15.94	17.02	1
		10.44	11.28	12.15	13.05	14.00	14.98	16.00	17.05	18.15	
12	9.65		12.31	13.20	14.30	15.09	16.09	17.13	18.20	19.31	
13	10.65	11.46		14.30	15.24	16.22	17.24	18.30	19.39	20.52	
14	11.68	12.52	13.39			17.39	18.42	19.50	20.61	21.76	
15	12.76	13.61	14.50	15.42	16.39	C. 28.27		The second of	28/28/29		1
16	13.87	14.74	15.65	16.59	17.57	18.57	19.65	20.74	21.87	23.04	1
17	15.02	15.91	16.83	17.80	18.80	19.83	20.91	22.02	23.17	24.35	1
18	16.20	17.11	18.05	19.04	20.05	21.11	22.20	23.33	24.50	25.70	1
19	17.42	18.35	19.31	20.31	21.35	22.42	23.54	24.68	25.87	27.09	1
20	18.68	19.63	20.61	21.63	22.68	23.78	24.91	26.07	27.28	28.52	
- 4	100		Carlo 2011	100 100 100	200 (00)	1800 00	26.31	100 27 27	28.72	29.98	
21	19.98	20.94	21.94	22.98	24.05	25.17		27.50			
22	21.31	22.30	23.31	24.37	25.46	26.59	27.76	28.96	30.20	31.48	
23	22.68	23.68	24.72	25.80	26.91	28.05	29.24	30.46	31.72	33.02	
24	24.09	25.11	26.17	27.26	28.39	29.55	30.76	32,00	33.28	34.59	
25	25.54	26.57	27.65	28.76	29.91	31,09	32.31	33.57	34.87	36.20	2
26	27.02	28.07	29,17	80.30	31.46	32.67	33.91	35.18	36.50	37.85	2
27		29.61	30.72	31.87	33.05	34.28	35.54	36.83	38.17	39.54	
	28.54		32.31	33.48	34.68	35.92	37.20	38.52	39.87	41.26	
28	30.09	31.18		35.13	36.35	37.61	38.91	40.24	41.61	43.02	
29	31.68	32.80	33.94				40.65	42.00	43.39	44.81	
30	33.31	34.44	35.61	36.81	38.05	39.33	100000000000000000000000000000000000000	10 17 12 1			1
31	34.98	36.13	37.31	38.54	39.80	41.09	42.42	43.80	45.20	46.65	
32	36,68	37.85	39.05	40.30	41.57	42.89	44.24	45.63	47.05	48.52	
33	38.42	39.61	40.83	42.09	43.39	44.72	46.09	47.50	48.94	50.42	3
34	40.20	41.41	42.85	43.92	45.24	46.59	47.98	49,41	50.87	52.37	3
35	42.02	43.24	44.50	45.80	47.13	48.50	49,91	51.35	52.83	54.35	3
- 4		1000	1000000	6	Property of the second	50.44	51.87	53.33	54.83	56.37	2
36	43.87	45.11	46.39	47.70	49.05					58.42	
37	45.76	47.02	48.31	49.65	51.02	52,42	53.87	55.35	56.87		
38	47.68	48.96	50.28	51.63	53.02	54.44	55.91	57.41	58.94	60.52	
39	49.16	50.94	52.28	53.65	55.05	56.50	57.98	59.50	61.05	62.65	
40	51.65	52.96	54,31	55.70	57.13	58.59	60.09	61.63	63.20	64.81	4
41	53.68	55.02	56.39	57.80	59.24	60.72	62.24	63.80	65.39	67.02	4
12	55.76	57.11	58.50	59.92	61.39	62.89	64.42	66.00	67.61	69.26	
13	57.87	59.24	60.65	62.09	63.57	65.09	66.65	68.24	69.87	71.54	
44		200	62.83	64.30	65.80	67.33	68.91	70.52	72.17	73.85	
	60.02	61.41		66.54	68.05	69.61	71.20	72.83	74.50	76.20	
45	62.20	63.61	65.05	10000000	T. C. C. C.	1000	1000		market 1974	44, 3, 3	
46	64.42	65.85	67.31	68.81	70.35	71.92	73.54	75.18	76.87	78.59	
47	66.68	68.13	69.61	71.13	72.68	74.28	75.91	77.57	79.28	81.02	
48	68.98	70.44	71.94	73.48	75.05	76.67	78.31	80.00	81.72	83,48	
		72.80	74.81	75.87	77.46	79.09	80.76	82.46	84.20	85.98	4
49											
49 50	71.31			78.30	79.91	81.55	83.24	84.96	86,72	88.52	5
49 50	73.68	75.18	76.72	78.30	79.91	81.55	83.24	84.96	86,72	88.52	5

Feet.	11	12	13	14	15	16	17	18	19	20	Feet.
0	7.94	8.89	9.87	10.89	11.94	13.04	14.17	15.33	16.54	17.78	1
1	8.68	9.65	10.65	11.68	12.76	13.87	15.02	16.20	17.42	18.68	
2	9.46	10.44	11.46	12.52	13.61	14.74	15.91	17.11	18.35	19.63	
3	10.28	11.28	12.31	13.39	14.50	15.65	16.83	18.05	19.31	20.61	1
4	11.13	12.15	13.20	14.30	15.42	16.59	17.80	19.04		21.63	•
5	12.02	13.05	14.13	15.24	16.39	17.57		20.05	21,35	22.68	
100	in debin	5 5 5 5 6	15.09	16.22	17.39	18.59	19.83	21.11	22,42	23.78	1
6	12.94	14.00			18.42	19.65	20.91	22.20	23.54	24.91	1
7	13.91	14.98	16.09	17.24			22.02	23.33			1
8	14.91	16.00	17.13	18.30	19.50	20.74			24.68	26,07	
9	15.94	17.05	18.20	19.39	20.61	21.87	23.17	24.50	25.87	27.28	
10	17.02	18, 15	19.31	20,52	21.76	23.04	24.35	25.70	27.09	28.52	
11	18.13	19.28	20.46	21.68	22.94	24.24	25.57	26.94	28.35	29.80	
12	19,28	20.44	21.65	22.89	24.17	25.48	26.83	28.22	29.65	31.11	13
13	20.46	21.65	22.87	24, 13	25.42	26.76	28.13	29.54	30.98	32.46	13
14	21.68	22.89	24.13	25,41	26.72	28.07	29.46	30.89	32.35	33.85	1
15	22.94	24.17	25.42	26.72	28.05	29.42	30.83	32.28	33.76	35.28	1
16	24.24	25.48	26.76	28.07	29.42	30.81	32.24	33.70	35.20	36.74	16
17	25.57	26.83	28.13	29.46	30.83	32.24	33.68	35.17	36.68	38.24	
18	26.94	28.22	29.54	30.89	32.28	33.70	35.17	36.67	38.20	39.78	
19	28.35	29.65	30.98	32.35	33.76	35.20	36.68	38.20	39.76	41.85	
20	29.80	31.11	32.46	33.85	35.28	36.74	38.24	39.78	41.35	42.96	
201	1000000	10 1 1 1	400 000 000	Territoria		Sec. 10.14	26 636		Von Maria	100 A 100 A	Ь.
21	31.28	32.61	33.98	35,39	36.83	38.31	39.83	41.39	42.98	44.61	
22	32.80	34.15	35.54	36.96	38.42	39.92	41.46	43.04	44.65	46.30	
23	34.35	35.72	37.13	38.57	40.05	41.57	43.13	44.72	46.35	48.02	
24	35.94	37.33	38,76	40.22	41.72	43.26	44,83	46.44	48.09	49.78	
25	37.57	38.98	40.42	41.91	43.42	44.98	46.57	48.20	49.87	51.57	Zŧ
26	39.24	40.67	42.13	43.63	45.17	46.74	48.35	50.00	51.68	53.41	26
27	40.94	42.39	43.87	45.39	46.94	48.54	50.17	51.83	53,54	55.28	27
28	42.68	44.15	45.65	47.18	48.76	50.37	52.02	58.70	55.42	57.18	28
29	44.46	45.94	47.46	49.02	50.61	52.24	58.91	55.61	57.35	59.13	25
30	46.28	47.78	49.31	50.89	52.50	54.15	55.83	57.55	59.31	61.11	30
31	48.13	49.65	51.20	52.80	54.42	56.09	57.80	59.54	61.31	63.13	
32	50.02	51.55	53.13	54.74	56.39	58.07	59.80	61.55	63.35	65.18	
33	51.94	53.50	55.09	56.72	58.39	60.09	61.83	63.61	65.42	67.28	
34	53.91	55.48	57.09	58.74	60.42	62.15	63.91	65.70	67.54	69.41	
35	55.91	57.50	59.13	60.80	62.50	64.24	66.02	67.83	69.68	71.57	
200	2.2	A TOTAL OF THE PARTY OF THE PAR	7.0	100		0.000,000,000	2000 000		100000		
36	57.94	59.55	61.20	62.89	64.61	66.37	68.17	70.00	71.87	73.78	
37	60,02	61.65	63.31	65,02	66.76	68.54	70.35	72.20	74.09	76.02	
38	62.13	63.78	65.46	67.18	68.94	70.74	72.57	74.44	76.35	78.30	
39	64.28	65.94	67.65	69.39	71.17	72.98	74.83	76.72	78.65	80.61	
40	66.46	68.15	69.87	71.63	73.42	75.26	77.13	79.04	80.98	82.96	41
41	68.68	70.39	72.13	73.91	75.72	77.57	79.46	81.39	83.85	85.35	4
42	70.94	72.67	74.42	76.22	78.05	79.92	81.83	83.78	85.76	87.78	
43	73.24	74.98	76.76	78.57	80.42	82.31	84.24	86.20	88.20	90.24	4
44	75.57	77.33	79.13	80.96	82.83	84.74	86.68	88.67	90.68	92.74	
45	77.94	79.72	81.54	83.39	85.28		89.17	91.17	93.20	95.28	
46	80.35	82.15	83.98	85.85	87.76	89.70	91.68	93.70	95.76	97.85	1.
	82.80	84.61	86.46	88.35	90.28	92.24	94.24	96.28		100.46	h
47	85.28		88.98	90.89	92.83	94.81	96.83		100.98		
48		87.11 89.65	91.54	93,46	95.42	97.42			103.65		
49 50	87.80	92.22	94.13	96.07					106.35		
00	90.35	02.22	04.10	80,07	50.05	100.07	102.10	101. 22	100.00	100.02	10
	11	12	13	14	15	16	17	18	19	20	

TABLE XVII.—BASE 28.—SLOPES 11/2 to 1.

Feet.	21	22	23	24	25	26	27	28	29	30	Feet.
0	19.05	20.37	21.72	23.11	24.54	26.00	27.50	29.04	30.61	32.22	
1	19.98	21.31	22.68	24.09	25.54	27.02	28.54	30.09	31.68	33,31	1
2	20.94	22.30		25.11	26.57		29.61	31.18		34.44	3
3	21.94	23.31	24.72	26.17	27.65		30.72			100000000000000000000000000000000000000	
4	22.98	24.37	25.80	27.26			31.87	33.48			
5	24.05	25.46	26,91	28.39	29.91	100000000000000000000000000000000000000	33.05	34,68	36.35	38.05	1
6	25.17	26.59	28.05	29.55	31.09	82.67	34.28	35.92	87.61	39.33	,
7	26.31	27.76	29.24	30.76	32.31		35.54	37.20	38.91	40.65	
8	27.50	28.96		32.00			36.83			42.00	1
9	28.72	30.20		33.28			38.17	39.87			
10	29.98	31.48	33.02	34,59	36.20	37.85	39.54	41,26	43.02	44.81	1
11	31.28	32.80	34.35	35.94	37.57	39.24	40.94	42.68	44.46	46.28	1
12	32.61	34.15	35.72	37.33	38.98	40.67	42.39	44.15			
13	33.98	35.54	37.13	38.76	40.42	42,13	43.87	45.65			
14	35.39	36,96	38.57	40.22	41.91	43,63			49.02	50.89	1
15	36.83	38,42	40.05	41.72	43,42	45.17	46.94	48.76	50.61	52.50	1
16	38.31	39.92	41.57	43.26	44.98	46.74	48.54	50.37	52.24	54.15	1
17	39.83	41.46	43.13	44.83	46.57	48.35	50.17	52.02	53.91		
18	41.39	43.04	44.72	46.44	48.20	50.00	51.83	53.70	55.61	57.55	
19	42.98	44.65	46.35	48.09	49.87	51.68		55.42	57.35	59.31	1
20	44.61	46.30	48.02	49.78	51.57	53.41	55.28	57.18	59.13	61.11	2
21	46.28	47.98	49.72	51.50	53.31	55.17	57.05	58.98	60.94	62.94	2
22	47.98	49.70	51.46	53.26	55.09		58.87	60.81	62.80		
23	49.72	51.46	53.24	55.05	56.91	58.80	60.72	62.68			
24	51.50	53.26	55.05	56.89	58.76	60.67	62,61	64.59		68.67	
25	53.31	55.09	56.91	58.76	60.65	62.57	64.54	66.54	68.57	70.65	
26	55.17	56.96	58.80	60.67	62.57	64.52	66.50	68.52	70.57	72.67	100
27	57.05	58.87	60.72	62.61	64.54	22.22	68.50			74.72	
28	58.98	60.81	62.68	64.59	66.54	68.52	70.54	72.59		76.81	
29	60.94	62.80	64.68	66.61	68.57	70.57	72.61	74.68	76.80		
30	62.94	64.81	66.72	68.67	70.65	72.67	74.72	76.81	78.94	81.11	30
31	64.98	66.87	68.80	70.76	72.76	74.80	76.87	78.98	81.13	83.31	2
32	67.05	68.96	70.91	72.89	74.91	76.96	79.05	81.18		85.55	
33	69.17	71.09	73.05	75.05	77.09		81.28				
34	71.31	73.26	75.24	77.26	79.31	81.41	83.54			90.15	
35	73.50	75.46	77.46	79.50	81.57	83.68	85.83				
36	75.72	77.70	79.72	81.78	83.87	86.00	88.17	90.37	92.61	94.89	31
37	77.98	79.98	82.02	84.09	86.20		90.54	92.76			
38	80.28	82.30	84.35	86.44	88.57	90.74	92.94				
39	82.61	84.65	86.72	88.83	90.98		95.39	97.65		102.28	
40	84.98	87.04	89.13	91.26	93.42	95.63				104.81	
41	87.39	89.46	91.57	93.72	95.91	98 13	The state of the state of	THE RESERVE OF THE PARTY OF THE	For the second second	107.39	
42	89.83	91.92	94.05	96.22		100.67					
43	92.31	94.42	96.57			103.24					
44	94.83	96,96				105.85					
45	97.39					108.50					
16		12 7 7 7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	the property of the same of			111.18		77477774	11-70-0	ALEX ALVA	1
-						113.91					
						116.67					
						119.46					
						122.30					
	21	22	23	24	25	26	27	28	29	30	-

TABLE XVII.—BASE 28.—SLOPES 11 to 1.

Peet	31	32	33	34	35	36	37	38	39	40	Feet.
0	33.87	35.55	37.28	39.04	40.83	42.67	44.54	46.44	48.39	50.37	(
1	34.98	36.68	38.42	40.20	42.02	43.87	45.76	47.68	49.16	51.65	1
2	36.13	37.85	39.61	41.41	43.24	45.11	47.02	48.96	50.94	52.96	1 5
3	37.31	39.05	40.83	42.85	44.50		48.31	50.28	52.28	54.31	
4	38.54	40.30	42.09	43.92	45.80		49,65	51.63		55.70	
5	39.80	41.57	43.39	45.24	47.13	49.05	51.02	53,02	55.05	57.13	1
6	41.09	42.89	44.72	46.59	48.50	50.44	52.42	54.44	56.50	58.59	1
7	42.42	44.24	46.09	47.98	49.91	51.87	53.87	55.91	57.98	60.09	7
8	43.80	45.63	47.50	49.41	51.35	43.33	55.85	57.41	59.50	61.63	8
9	45.20	47.05	48.94	50.87	52.83	54.83	56,87	58.94	61.05	63.20	5
10	46.65	48.52	50.42	52.37	54.35	56.37	58.42	60,52	62.65	64.81	10
11	48.13	50.02	51.94	53.91	55.91	57.94	60.02	62.13	64.28	66.46	11
12	49.65	51.55	53.50	55.48		Tax 201 10 10 10	61.65	63.78		68.15	
13	51.20	53.13	55.09	57.09	59.13		63.31	65.46		69.87	
14	52.80	54.74	56.72	58.74		62.89	65.02	67.18		71.63	
15	54.42	56.39	58.39	60.42	62.50	64.61	66.76	68.94		73.42	
16		ACK SOL	60.09	62.15	1.450 mm	66.37	68.54		1000000	75.26	1
17	56.09	58.07 59.80	61.83	63.91	64.24	68.17	70.35	70.74	74.83	77.13	
18	57.80 59.54	61.55	63.61	65.70	67.83	70.00	72.20	74.44	76.72	79.04	
19		63.35	65.42	67.54	69.68	71.87	74.09	76.35	78.65	80.98	
20	61.31	65.18	67.28	69,41	71.57	73.78	76.02	78.30		82.96	
			12 to		100000000000000000000000000000000000000	A SECTION AND A	100	100000000000000000000000000000000000000	1000	1005.75	1
21	64.98	67.05	69.17	71.31	73.50	75.72	77.98	80.28	82.61	84.98	
22	66.87	68.96	71.09	73.26			79.98	82.30		87.04	
23	68.80	70.91	73.05	75.24	77.46		82.02	84.35	86.72	89.13	
24	70.76	72.89	75.05	77.26		81.78	84.09	86.44	88.83	91.26	
25	72.76	74.91	77.09	79.31	81.57	83.87	86.20	88.57	90.98	93.42	25
26	74.80	76.96	79.17	81.41	83.68	86.00	88.35	90.74	93.17	95.63	26
27	76.87	79.05	81.28	83.54	85.83	88.17	90.54	92.94	95.39	97.87	27
28	78.98	81.18	83.42	85.70	88.02	90.37	92.76	95.18	97.65	100.15	28
29	81.13	83.35	85.61	87.91	90.94	92.61	95.02	97.46	99.94	102.46	29
30	83,31	85.55	87.83	90.15	92.50	94.89	97.31	99.78	102.28	104.81	30
31	85.54	87.80	90.09	92.42	94.80	97.20	99.65	102.13	104.65	107.20	31
32	87.80	90.07	92.39	94.74		12242	102.02		Commission at	The second second	1-
33	90.09	92.89	94.72	97.09			104, 42				
34	92.42	94.74	97.09				106.87				
35	94.80	97.13					109.35				
86	97.20	m 20 00 11	101.94		200	DC11.5000	100000	DUDLEY.	22.00		1
87			104.42								
			106.94								
			109.50								
			112.09								
200		4.04.00	The Profession of		5 6 6 1 1 1	and the second	N Marine	transfer of the	15 c c 6 c 4	200	L
			114.72								
			117.39								
			120.09								
			122.83								
	2000	100000	125.61			0.500	1.00000		20020		4
			128.42								
			131.28								
			134.17								
49	181.87	134.46	137.09	139.76	142.46	145.20	147.98	150.80	153.65	156.54	45
50	134.80	137.41	140.05	142,74	145.46	148.22	151.02	153.85	156.72	159.63	50
		-		-						1 7 2	-
- 1	31	32	33	34	35	36	37	38	39	40	1

Poet.	41	42	43	44	45	46	47	48	49	50	Feet.
0	52.39	54.44	56.54	58.67	60.83	63.04	65.28	67.55	69.87	72.22	-
1	53.68	55.76	57.87	60.02	62.20	64.42	66.68	68.98	71.31	73.68	1
2	55.02	57.11	59.24	61.41	63,61	65.85	68.13	70.44	72.80	75.18	1
3	56.39	58.50	60.65	62.83	65.05	67.31	69,61	71,94	74.31	76.72	1
4	57.80	59.92	62.09	64.30	66.54	68,81	71.13	73,48	75.87	78.30	18
5	59.24	61.39	63.57	65.80	68.05	70.35	72.68	75.05	77.46	79.91	1
6	60.72	62.89	65.09	67.33	69.61	71.92	74.28	76.67	79.09	81.55	
7	62.24	64.42	66.65	68.91	71.20	73.54	75.91	78.31	80.76	83.24	1
8	63.80	66.00	68.24	70.52	72.83	75.18	77.57	80.00	82.46	84.96	
9	65.39	67.61	69.87	72.17	74.50	76.87	79.28	81.72	84.20	86.72	1
10	67.02	69.26	71.54	73.85	76.20	78.59	81.02	83.48	85.98	88.52	
71		1.000	1000	100	77.94	80.35	82.80	85.28	87.80	90.35	
11	68.68	70.94	73.24	75.57	0.0 0.0		84.61	87.11	89.65	92.22	
12	70.39	72.67	74.98	77.33	79.72 81.54	82.15 83.98	86.46	88.98	91.54	94.13	
13	72.13	74.42	76.76	79.13	83.39	85.85	88.35	90.89	93.46	96.07	
14	73.91	76.22	78.57	80.96	85.28		90.28	92.83	95.42	98.05	
15	75.72	78.05	80.42	82.83	1000		10.7 St. N. T.	10000	1000	V-127 27 48	
16	77.57	79.92	82.31	84.74	87.20	89.70	92.24	94.81		100.07	
17.	79.46	81.83	84.24	86.68	89.17	91.68	94.24	96.83		102.13	
18	81.39	83,78	86.20	88.67	91.17	93.70	96.28		101.54		
19	83.35	85.76	88.20	90.68	93.20	95.76		100.98	2.7	2 - 2 - 5 - 5	L
20	85,35	87.78	90.24	92.74	95.28	97.85	100.46	103.11	105.80	108.52	24
21	87.39	89.83	92.31	94.83	97.39	99.98	102.61	105.28	107.98	110.72	2
22	89.46	91.92	94.42	96.96	99.54	102.15	104.80	107.48	110.20	112.96	25
23	91.57	94.05	96.57	99.13	101.72	104.35	107.02	109.72	112.46	115.24	2
24	93.72	96.22	98.76	101.33	103.94	106.59	109.28	112.00	114.76	117.55	24
25	95.91	98,42	100.98	103.57	106.20	108.87	111.57	114.31	117.09	119.91	2
26	98.13	100.67	103.24	105.85	108.50	111.18	113.91	116.67	119.46	122.30	20
		102.94									
		105.26									
		107.61									
		110.00									
	200 2.1.0.0	112.42	ST. ST. ST. ST. ST.		and the second	that is a large to the	The Sale State Committee	Autority and the	and the short of	the same of the same	
29	119 94	114.89	117 57	190 30	193 05	195 85	198 68	121 55	134 46	137 41	20
		117.39									
		119.92									
		122.50									
- 4	1	0.00 0.00		150 1 574	4 4 36 4 5	5 95 W. W.	100 CON. 11	A CONTRACTOR	ALVE YELL	1.50	100
		125.11									
		127.76									
		130.44									
		133.17									
		135.92		DYDW-190	10 m = 10 10 10 10 10 10 10 10 10 10 10 10 10	1.6	ter de la con-		10.25	Control of the Control	
		138.72									
		141.55									
		144.42									
		147.33									
45	147.39	150.28	153.20	156.17	159.17	162.20	165.28	168.39	171.54	174.72	4
46	150.35	153.26	156.20	159.18	162.20	165.26	168.35	171.48	174.65	177.85	4
47	153.35	156.28	159.24	162.24	165.28	168.35	171.46	174.61	177.80	181.02	4
48	156.39	159.33	162.31	165.33	168.39	171.48	174.61	177.78	180.98	184.22	4
		162.42									
		165.55									
				0.0.0	100			127		1000	
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TABLE XVIII.—BASE 28.—SLOPES 21 to 1.

Post.	1	2	3	4	5	6	7	8	9	10	Poor.
0	0.55	1.16	1.83	2.57	3.36	4.22	5.14	6.12	7.17	8.27	
1	1.13	1.77	2.48	3.24	4.07	4.96	5.91	6.92	7.99	9.13	
2	1.77	2.44	3.18	3.98	4.83	5.75	6.73	7.78	8.88	10.05	
3	2.48	3.18	3.94	4.77	5.66	6.61	7.62	8.70	9.83	11.03	
4	3.24	3.98		5.63	6.55	7.53		9.68	10.85	12.07	1
5	4.07	4.83	5.66	6.55	7.50	8.51	9.59	10.72	11.92	13.18	
6	4.96	5.75	6.61	7.53	8.51	9.56	10.66	11.83	13.06	14.35	
7	5.91	6.73	7.62	8.57	9.59	10.66	11.80	12.99	14.25	15.57	1
8	6.92	7.78	8.70	9.68	10.72	11.83	12.99	14.22	15.51	16.86	
9	7.99	8.88	9.83	10.85	11.92	13.06	14.25	15.51	16.83	18.22	
10	9.13	10.05	11.03	12.07	13.18	14.35	15.57	16.86	18.22	19.63	1
11	10.33	11.28	12.29	13.36	14.50	15.70	16.96	18.28	19.66	21.10	1
12	11.59	12.57	13.61	14.72	15.88	0.000	18.40	19.75	21.17	22.64	
13	12.91	13.92	14.99	16.13	17.33	18.59	19.91	21.29	22.73	24.24	
14	14.29	15.33	16.44	17.60	18,83	20.12	21.48	22.89	24.36	25.90	1
15	15.73	16.81	17.94	19.14	20.40	21.72	23.10	24.55	26.06	27.62	1
16	17.24	18.35	19.51	20.74	22.03	23.38	24.80	26.27	27.81	29.41	1
17	18.81	19.94		22.40	23.72	25.10	26.55	28.06		31.25	
18	20.44	21.60	22.83	24.12	25.48			29.90	31.50	33.16	
19	22.13	23,33	2000	25.91	27.29	28.73	30.24	31.81	33.44	35.13	
20	23.88	25.11	26.40	27.75	29.17	30.64	32.18	33.78	35.44	37.16	
21	25.70	26.96	28.28	29.66	31.10	32.61	34.18	35.81	37.50	39.25	1
22	27.57	28.86		31.63	33.10	34.64	36.24	37.90		41.41	
23	29.51	30.83	32.22	33.66	35.17	36.73	38.36	40.06	41.81	43.62	
24	31.51	32.86		35.75	37.29	38.89		42.27	44.06		
25	33.57	34.96	36.40	37.91	39.48	41.10		44.55	46.36	48.24	
26	35.70	37.11	38.59	40.12	41.72	43.38	45.10	46.89	48.73	50.64	
27	87.88	39.33		42.40	44.03		47.48	49.29	51.17	53.10	
28	40.13	41.60	43.14	44.74	46.40	48.12	49.91	51.75	53.66	55.63	
29	42.44	43.94		47.14	48.83	50.59	52.40	54.28	56.22	58.22	
30	44.81	46.35	47.94	49.60	51.83	53.11	54.96	56.86	58.83	60.86	
31	47.24	48.81	50.44	52.13	58.88	55.70	57.57	59.51	61.51	68.57	ь.
32	49.73	51.83		54.72	56.50	58.35	60.25	62.22	64.25	66.35	
33	52.29	58.92	55.61	57.36	59.18	61.06	62.99	64.99	67.06	69.18	
34	54.91	56.57	58.29	60.07	61.92	63.83	65.80	67.83	69.92	72.07	
35	57.59	59.28	61.03	62.85	64.72	66.66	68.66	70.72	72.85	75.03	
36	60.33	62.05	63.83	65.68	67.59	69.56	71.59	78.68	75.83	78.05	10.
37	63.13	64.88	- The second second	68.57	70.51	72.51	74.57	76.70	78.88	81.13	
38	65.99	67.78		71.53	73.50	75.53	77.62	79.78	81.99	84.27	
39	68.92	70.78		74.55	76.55	78.61	80.73	82.92	85.17	87.48	
10	71.91	73.15	75.66	77.63	79.66	81.75	83.91	86.12	88.40	90.74	
11	74.96	76.83	78.77	80.77	82.83	84.66	87.14	89.39	91.70	94.07	υ.
42	78.07	79.97	81.94	83.98	86.07	88.22	90.44	92.72	95.06		
13	81.24	83.18	85.18	87.24	89.86	91.55	98.80	96.10		100.91	
44	84.48	86.44		90.57	92.72	94.94				104.42	
15	87.77	89.77	91.83	93.96	96.14		100.70				
16	91.13	93.16	1.0	97.41	15 Y 15 Y	4-1-1	104.24			7.7.2.307	
17	94.55	96.61					104.24				
18							111.51				
							115.24				
							119.03				
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TABLE XVIII.—BASE 28.—SLOPES 21 to 1.

Foot.	11	12	13	14	15	16	17	18	19	20	Peet.
0	9.44	10.67	11.96	13.31	14.72	16.20	17.73	19.33	20.99	22.72	(
1	10.33	11.59	12.91	14.29	15.78	17.24	18.81	20.44	22.13	23.88	1
2		12.57	13.92	15.33	16.81	18.35	19.94	21.60	23.33	25.11	2
3	12.29	13.61	14.99	16.44	17.94	19.51	21.14	22.83	24.59	26,40	8
4		14.72	16.13	17.60	19.14	20.74	22.40	24.12	25.91	27.75	1
5	14.50	15.88	17.33	18.83	20.40	22.03	23.72	25.48	27.29	29.17	1
6	15.70	17.11	18.59	20.12	21.72	23.38	25.10	26.89	28.73	30.64	
7		18.40	19.91	21,48	23.10	24.80	26.55	28.36	30.24	32.18	7
8		19.75	21.29	22.89	24.55	26.27	28.06	29.90	31.81	33.78	
9		21.17	22.78	24.36	26.06	27.81	29.62	31.50	33.44	35.44	
10	21.10	22.64	24.24	25.90	27.62	29,41	31.25	33.16	35.13	37.16	17.7
11	22.62	24.18	25.81	27.50	29.25	31.07	32.94	34.88	36.88	38.94	
12		25.78	27.44	29.16	30.94	32.79	34.70	86.67	38.70	40.79	
13	100000000000000000000000000000000000000	27.44	29.13	30.88	32.70	34.57	36.51	88.51	40.57	42.70	
14	12.72 00.54	29.16	30.88	32.67	84.51	36,42	38.39 40.33	40.42	42.51	44.67 46.70	
15	27.00	30.94	32.70	34.51	86.89	38.33		W. C. C.	1.10.700	100,000	
16		32.79	34.57	36.42	38.33	40.30	42.33	44.42	46.57	48.79	
17		34.70	36.51	38.39	40.33	42.33	44.39	46.51	48.70	50.94	
18		36.67	38.51	40.42	42.39	44.42	46.51	48.67	50.88 53.13	53.16	1.0
19		38.70	40.57	42.51	44.51	46.57	50.94	53.16	55.44	57.78	
20	1222 23	40.79	42.70	44.67	46.70	100	The state of	1/10/17	100000	The second second	
21	41.07	42.94	44.88	46.88	48.94	51.07	53.25	55.50	57.81	60.18	
22	43.25	45.16	47.13	49.16	51.25	53.41	55.62 58.06	57.90 60.36	60.24	62.64	
23	45.50	47.44	49,44	51.50 53.90	53.62 56.06	55.81 58.27	60.55	62.89	65.29	67.75	
$\frac{24}{25}$		49.78 52.18	51.81 54.24	56.36	58.55	60.80	63.10	65.48	67.91	70.40	
	50.18	-0.75 A . 1 Y	100000	2007 N. TANK	12.000	1 1 1 1 1 1 1	NOR 224		100000000000000000000000000000000000000	200000	
26	52.62	54.64	56.73	58.89	61.10	63.38	65.72 68.40	68.12 70.83	70.59	73.11 75.88	
27	55.10	57.17	59.29 61.91	61.48 64.12	63.72 66.40	66.03 68.74	71.14	73.60	76.13	78.72	
$\frac{28}{29}$	57.66 60.28	59.75 62.40	64.59	66.83	69.14	71.51	73.94	76.44	78.99	81.61	
$\frac{20}{30}$	62.96	65.11	67.33	69.60	71.94	74.35	76.81	79.83	81.92	84.57	
	A		12000	1000000	1.7	CV0(2)44	79.78	82.29	84.91	87.59	10.0
31	65.70	67.88	70.13	72.44 75.33	74.81	77.24 80.20	82.72	85.31	87.96	90.67	
32 33	68.50 71.36	70.72 73.61	75.92	78.29	80.72	83.22	85.77	88.39	91.07	93.81	
34	74.29	76.57	78.91	81.31	88.77	86.30	88.82	91.53	94.24	97.01	
35	77.28	79.59	81.96	84.39	86.88	89.44	92.06	94.78	to a small or than to	100.28	
36	1.000 000	82.67	85.07	87.53	90.06	92.64	95.29	70 2000	100.77		13.5
37 37	80.33 83.44	85.81	88.24	90.73	93.29	95.91		101.33			
38	86.61	89.01	91.48	94.00	96.59			104.72			
39	89.85	92.28	94.77	97.33				108,17			
40	93.14	95.60	98.13					111.68			
11	96.50		101.55								
12	99 92	102.44	105.03	107.68	110.39	113.16	115.99	118.89	121.85	124.86	42
13	103.40	105.96	108.57	111.25	113.99	116.80	119.66	122.59	125.57	128.62	48
14	106.94	109.53	112.18	114.89	117.66	120.49	123.39	126.35	129.36	132.44	44
45	110.55	113.17	115.85	118.59	121.39	124.25	127.18	130.17	133.22	136.33	45
46	114.22	116.86	119.57	122.35	125.18	128.07	131.03	134.05	137.13	140.27	46
47	117.94	120.62	123.36	126.17	129.03	131.96	134.94	137.99	141.10	144.28	47
48	121.73	124.44	127.22	130.05	132.94	135.90	138.92	142.00	145.14	148.35	48
49	125.59	128.33	131.13	133.99	136.92	139.91	142.95	146.07	149.24	152,48	49
50	129.50	132.27	135.10	138.00	140.96	143.98	147.06	150.20	153.40	156.67	50
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TABLE XVIII.—BASE 28.—SLOPES 21 to 1.

Post	21	22	23	24	25	26	27	28	29	30	Peet,
0	24.50	26.35	28.25	30.22	32.25	34.35	36.50	38.72	40.99	43.33	0
1	25.70	27.57	29.51	31.51	33.57	35.70	37.88	40.13	42.44	44.81	1
2	26.96	28.86	30,83	32.86	34.96	37.11	39.33	41.60	43.94	46.35	
3	28.28	30.22	32.22	34.28	36.40	38.59	40.83	43.14	45.51	47.94	
4	29.66	31.63	33.66	35.75	37.91	40.12	42.40	44.74	47.14	49.60	
5	31.10	33.10	35.17	37.29	39.48	41.72	44.03	46.40	48.83	51.33	1
6	32.61	34.64	36.73	38.89	41.10	43.38	45.72	48.12	50.59	53.11	1
7	34.18	36.24	38.36	40.55	42.80	45.10	47.48	49.91	52.40	54.96	1
8	35.81	37.90	40.06	42.27	44.55	46.89	49.29	51.75	54.28	56.86	
9	37.50	39.62	41.81	44.06	46.36	48.73	51.17	53.66	56.22	58.83	1
10	39,25	41.41	43.62	45.90	48.24	50.64	53.10	55.63	58.22	60.86	1
11	41.07	43.25	45.50	47.81	50.18	52.61	55.10	57.66	60.28	62.96	1
12	42.94	45.16	47.44	49.78	52.18	54.64	57.17	59.75	62.40	65.11	
13	44.88	47.13	49.44	51.81	54.24	56.78	59.29	61.91	64.59	67.33	
14	46.88	49.16	51.50	53.90	56.36	58.89	61.48	64.12	66.83	69.60	1
15	48.94	51.25	53.62	56.06	58.55	61.10	63.72	66.40	69.14	71.94	
16	51.07	53.41	55.81	58.27	60.80	63.38	66.03	68.74	71.51	74.35	100
17	53.25	55.62	58.06	60.55	63.10	65.72	68.40	71.14	73.94	76.81	
18	55.50	57.90	60.36	62.89	65.48	68.12	70.83	73.60	The second second	79.33	
19	57.81	60.24	62.78	65.29	67.91	70.59	73.83	76.13	78.99	81.92	
20	60.18	62.64	65.17	67.75	70.40	73.11	75.88	78.72	81.61	84.57	
	10.50	10-000	20000000	0.0000	10000	DOM: OU	78.50		The second	1000	1
21	62.61	65.10	67.66	70.28	72.96	75.70	81.18	81.36		87.28	
22	65.10	67.63	70.22	72.86	75.57	78.35		84.07	87.03	90.05	1-
23	67.66	70.22	72.83	75.51	78.25	81.06	83.92 86.72	86.85 89.68		92.88	
24	70.28	72.86	75.51	78.22	80.99 83.80	83.83 86.66	89.59	92.57	92.70 95.62	95.78 98.73	
25	72.96	75.57	78.25	80.99	Market Inc.	The second	123724	2.00	17 20 20	10000000	
26	75.70	78.35	81.06	83.83	86.66	89.56		95.53		101.75	
27	78.50	81.18	83.92	86.72	89.59	92.51	95.50		101.65		
28	81.36	84.07	86.85	89.68	92.57	95.53			104.77		
29	84.29	87.03	89.83	92.70	95.62		101.65				
30	87.28	90.05	92.88	95.78	98.78	101.75	104.83	107.98	111.18	114.44	3
31	90.33	93.13	95.99	98.92	101.91	104.96	108.07	111.24	114.48	117.77	3
32	93.44	96.27	99.17	102, 12	105.14	108.22	111.36	114.57	117.83	121,16	3
33	96.61		102,40								
34			105.70								
35	103.14	106.07	109.06	112.10	115.22	118.39	121,62	124.92	128.28	131.70	3
36	106.50	109.46	112.48	115.56	118.70	121.90	125.17	128.49	131.88	135.33	36
			115.95								
			119.50								
39	116.94	119.99	123.10	126.28	129.51	132.81	136.17	139.59	143.07	146.61	3
40	120.55	123,63	126.77	129,98	133,24	136.57	139.96	143.41	146.92	150.49	4
11	194 99	127 88	130.50	133 73	187.08	140.39	143.81	147.29	150.83	154.44	4
42	127.94	131.09	134.29	137.57	140.88	144.27	147.72	151.23	154.81	158,44	4
48	131.78	134.91	138.14	141.44	144.80	148, 22	151.70	155.24	158.85	162,51	4
			142.06								
			146.03								
			150.07		0.000-0.001		100000	CONTRACTOR OF THE PARTY OF THE	175 6 5 1	C. 100 C. 100	1
			154.17								
			158.33								
			162.55								
			166.83								
	21	22	23	24	25	26	27	28	29	30	1

TABLE XVIIL—BASE 28.—SLOPES $2\frac{1}{2}$ to 1.

18	31	32	33	34	35	36	37	38	39	40	Feet.
•	45.78 47.24				55.96 57.59						
1	48.81	51.38	53.92	56.57	59.28	62.0	64.88	67.78			
					61.08 62.85				72.61		
1					64.72				76.55		
1	55.70	58.35	61.06	63.83	66.66	69.56	72.51	Į.	78 61		1 1
1 3	1				68.66		1		80.78	1	
9		62.22 64.25			70.72 72.85				82.92 85.17		
10	63.57	66.35	69.18	72.07	75.03	78.05	81.13		87.48		
11		68.50			77.28			86.61	89.85		
12 13		70.72 72.99		76.57 78.91	79.59 81.96		85.81 88.24	89.01 91.48	92.28 94.77		
14	72.44	75.33	78.29	81.81	84.89	87.53	90.73	94.00	97.33	100.72	14
15		77.78	80.72	83.77	86.88	1		96.59		103.36	
16 17		80.20 82.72	83.22 85.77	86.30 88.82	89.44 92.06	92.64 95.29		99.23 101.94		106.07	
18		85.31	88.39	91.53	94.78			104.72	108.17	111.68	18
19		87.96		94.24		100.77	104.13	107.55	111.03	114.57	19
$\begin{array}{c} 20 \\ 21 \end{array}$		90.67 98.44	93.81 96.61			1		110.44 118.40		1	
22		96.27		102.74							
28			102.40	105.70	109.06	112.48	115.95	119.50	123.10	126.77	23
24 25	98.92 101.91			108.72 111.80							
	104.96				i i						
27	108.07	111.36	114.72	118.14	121.62	125.17	128.77	132.44	136.17	139.96	27
	111.24 114.48										
	117.77										
	121.13										
	124.55 128.03										
	181.57										
	135.18										
	138.85										
	142.57 146.86										
39	150.22	153.88	157.61	161.40	165.25	169.17	178.14	177.18	181.28	185.44	39
	154.13			1						1	
	158.10 162.14										
43	166.24	170.03	173.88	177.80	181.77	185.81	189.91	194.07	198.29	202.57	43
	170.40 174.62										
8 1	178.91	- 1	1					T I		I	
47	183.25	187.17	191.14	195.18	199.28	203.44	207.66	211.94	216.29	220.70	47
	187.66 192.18										
	192.15 196.66										
H	31	32	33	34	35	36	37	38	39	40	_

TABLE XVIII.-BASE 28.-SLOPES 21 to 1.

Fret	41	42	43	44	45	46	47	48	49	50	Post.
0	73.14	76.22	79.36	82.57	85.83	89.16	92.55	96.00	99.51	103.09	1
1	74.96	78.07	81.24	84.48	87.77		94.55				j
2	76.83	79.98	83.18	86.44	89.77	93.16	96.61	100.12	103.70	107.33	1
3	78.77	81.94		88.48			98.73	102.28	105.88	109.55	1
4		83.98	87.24		93.96	1 2 2 1 2 2	100.92			100000	1
5	82.83	86.07	89.36	92.72	96.14	99.62	103.17	106.77	110.44	114.17	1
6	84.96	88.22	91.55			101.90					1
7		90.44			100.70						1
8	89.39	92.72	96.10							121.56	
9	91.70				105.50						1
10	17 10 10	100 400 1944		March Committee of	March Company	C331C.		the same and the	Control of the control	126.79	
11										129.50	
12	98.99	102.44	105.96	109.53	113.17	116.86	120.62	124.44	128, 33	132.27	1
13	101.55	105.03	108.57	112.18	115.85	119.57	123.36	127.22	131.13	135.10	1
14	104.17	107.68	111,25	114.89	118.59	122.35	126.17	130.05	133.99	138.00	1
	106.85	2000			C. C. C. C. C.	2 6 pt. 16 (pt1)	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	A. S. S. S. S. S. S.	A Share of Section	The second second	
	109.59										
	112.39										
	115.25										
	118.18										
- 1	121.17	Acres de la Colonia			and the later	120 1 1 1 1 1	100		11 S 11	100000	-
	124.22										
	127.33										
	130.50										
	133.73										
	137.03										
26	140.39	144.27	148.22	152.22	156.29	160.42	164.61	168.86	173.18	177.56	2
27	143.81	147.72	151.70	155.73	159.83	163,99	168.22	172.50	176.85	181.25	2
20	147.29	154 91	150.24	109.01	105.44	107.03	171.88	176.20	180.07	185.01	2
	150.83 154.44										
- 1	100000000000000000000000000000000000000		Marine Service Colored	Reference to the second		0.52 5 5 5 6			N 255 1	MORE THAT	
	158.10										
	161.83										
34	165.62 169.48	173 60	177 80	189 05	186 36	100.74	105 19	100 69	200.14	204.75	9
	173.39										
	177.36										
	181.40 185.50										
39	189.66	193.94	198 29	202 70	207 17	211 70	216 90	220.07	995 GG	220.00	9
40	193.88	198.20	202.57	207.01	211.51	216.07	220.70	225.38	230. 13	234 94	4
- 1		the second of the last		1 4		10000					
12	198.17 202.51	206.89	211 88	215 89	220 30	225 01	220.17	224 44	239 95	244 19	4
43	206.92	211.33	215.80	220.88	224 99	229 57	234 20	289 07	243 91	248 81	1
14	211.39	215.83	220.83	224.89	229.51	234. 20	238.94	243.75	248.69	253 56	4
45	215.92	220.39	224.92	229.51	234.17	238.88	243.66	248.50	253.40	258.36	4
200	220.51					C-7575 0	STOR DOWN	4-20-119	100000	No market street	
	225.17										
	229.88										
19	234.66	239.25	243.91	248.62	253.40	258.24	263.14	268.10	273.13	278.22	4
50	239.50	244.12	248.81	253.56	258.36	263.23	268.17	273.16	278.22	283.33	5
_		-									_
	41	7.6				100.21.1	11.00	10000	1100	15475 1	1

Feet.	1	2	3	4	5	6	7	8	9	10	Feet.
0	0.57	1.16	1.78	2.42	. 3.09	3.78	4.49	5.23	6.00	6.79	1
1	1.15	1.75	2.38	3.04	3.72	4.42	5.15	5.90	6.68	7.48	
2	1.75	2.37	3,01	3.68	4.37	5.09	5.83	6.59	7.38	8.20	
3	2.38	3.01	3,67	4.35	5.05	5.78	6.53	7.31	8.11	8,94	
4	3.04	3.68	4.35	5.04	5.75	6.49	7.26	8.05	8.86	9.70	
5	3.72	4.37	5.05	5.75	6.48	7,23	8.01	8.81	9.64	10.49	
6	4.42 5.15	5.09	5.78 6.53	6.49 7.26	7.23 8.01	8.00	8.79 9.59	9.60	10.44	11.31	
8	5.90	6.59	7.31	8.05	8.81	9.60	10.42	$10.42 \\ 11.26$	11.27 12.12	12.15	
9	6,68	7.38	8.11	8.86	9.64	10.44	11.27	12.12	13.00	13.01 13.90	
10	7.48	8.20	8.94	9.70	10.49	11.31	12.15	13.01	13.90	14,81	
11	8.31	9.04	9.79	10.57	11.37	12.20	13.05	13.93	14.83	15.75	1
12	9.16	9.90	10.67	11.46	12.27	13.11	13.98	14.86	15.78	16.72	
13	10.04	10.79	11.57	12.37	13,20	14.05	14.93	15.83	16.75	17.70	
14	10.94	11.70	12.49	13.31	14.15	15.01	15.90	16.81	17.75	18.72	
15	11.86	12,64	13.44	14.27	15.12	16.00	16.90	17.83	18.78	19.75	1
16	12.81	13.60	14.42	15.26	16,12	17.01	17.93	18.86	19.83	20.81	
17	13.79	14.59	15.42	16.27	17.15	18.05	18.98	19.93	20.90	21.91	
18 19	14.79	15.60	16.44	17.31	18.20	19.11	20.05	21.01	22.00	23.01	
20	15.81 16.86	16.64 17.70	17.49 18.57	18.37 19.46	19.27 20.37	$20.20 \\ 21.31$	21.15 22.27	22.12 23.26	23.12 24.27	24.15	
21	2.00	18.79	19.67	20.56	200 000 000		100	0/4/2/10/201	PGOVENO.	25.31	1
22	17.94 19.04	19.90	20.79	21.70	21.49 22.64	22.44 23.60	23.42 24.59	24.42 25.60	25.44 26.64	26.49	
23	20.16	21.02	21.94	22.86	23.81	24.79	25.79	26.81	27.86	27.70 28.94	
24	21.31	22.20	23.11	24.05	25.01	26.00	27.01	28.05	29.11	30.20	
25	22.48	23.38	24.30	25.26	26,23	27.23	28.26	29.31	30.38	31.48	
26	23.68	24.59	25.53	26.49	27.48	28.49	29.53	30.59	31.68	32.79	1
27	24.90	25.83	26.78	27.75	28.75	29.78	30.83	31.90	83.00	34.12	
28	26.15	27.09	28.05	29.04	30.05	31.09	32.15	33.24	34.35	35.48	2
29	27.42	28.37	29.35	30.35	31.37	32,42	33.49	34.59	35.72	36.86	
30	28.72	29.68	30.67	31.68	32.72	33.78	34.86	35.98	37.11	38.27	1
31	30.04	31.01	32.01	33.04	34.09	35.16	36.26	37.38	38.53	39.70	
32	31.38	32.37	33.38	34.42	35.48	36.57	37.68	38.81	39.98	41.16	
34	32.75	33.75	34.78	35.83 37.26	36.90	38.00	39.12	40.27	41.44	42.64	
35	34.15 35.57	35.16 36.59	36.20 37.64	38.72	38.35	$39.46 \\ 40.94$	40.59 42.09	41.75 43.26	$42.94 \\ 44.46$	44.15 45.68	
36	37.01	38.05	39.11	40.20	41.31	42.44	10.00	100 miles	100 - 6 7/12/		
37	38.48	39.53	40.60	41.70	42.83	43.98	$43.60 \\ 45.15$	44.79 46.35	46.00 47.57	47.23 48.81	
38	39.98	41.04	42.12	43.23	44.37	45.53	46.72	47.93	49.16	50.42	
39	41.49	42.57	43.67	44.79	45.94	47.11	48.31	49.53	50.78	52.05	
10	43.04	44.12	45.23	46.37	47.53	48.72	49.93	51.16	52.42	53.70	
11	44.60	45.70	46.83	47.98	49.15	50.35	51.57	52.81	54.09	55.38	4
12	46.20	47.31	48.44	49.60	50.79	52.00	53.23	54.49	55.78	57.09	
13	47.81	48.94	50.09	51.26	52.46	53.68	54.93	56.20	57.49	58,81	4
14	49.46	50.59	51.75	52.94	54.15	55.38	56.64	57.93	59.23	60.57	
15	51.12	52.27	53.44	54.64	55.86	57.11	58.38	59.68	61.00	62.35	
16	52.81	53.98	55.16	56.37	57.60	58.86	60.15	61.46	62.79	64.15	
17	54.53	55.70	56.90	58.12	59.37	60.64	61.94	63.26	64.60	65.98	
18	56.27 58.04	57.46 59.23	58.67 60.46	59.90 61.70	61.16	62.44	63.75	65.09	66.44	67.83	
0	59.83	61.04	62.27	63.53	62.98 64.81	$64.27 \\ 66.12$	65.59 67.46	66,94 68,81	68,31 $70,20$	69.70 71.60	
1	1	2	3	4	5	6	7	8	9	10	-

F	11	12	13	14	15	16	17	18	19	20	'n
- F									<u> </u>	<u> </u>	N. S.
0	7.60 8.31	8.44 9.16	9.81 10.04	10.20 10.94	11.11 11.86	12.05 12.81	13.01 13.79	14.00 14.79	15.01 15.81	16 05 16.86	
2	9.04	9.90	10.79	11.70	12.64	13.60	14.59	15.60	16.64	17.70	2
8 4	9.79 10.57	10.67 11.46	11.57 12.37	12.49 13.81	13.44 14.27	14.42 15.26	15.42 16.27	16.44 17.31	17.49 18.37	18.57 19.46	3 4
5	11.37		13.20	14.15	15.12	16.12	17.15	18.20	19.27	20.37	5
6	12.20	13.11	14.05	15.01	16.00	17.01	18.05	19.11	20.20	21.31	6
7 8	13.05 13.93	13.98 14.86	14.93 15.83	15.90 16.81	16.90 17.83	17.93 18.86	18.98 19.93	20.05 21.01	21.15 22.12	22.27 23.26	7 8
9	14.83	15.78	16.75	17.75	18.78	19.83	20.90	22.00	23.12	24.27	9
10	15.75 16.70	16.72 17.68	17.70 18.68	18.72 19.70	19.75 20.75	20.81 21.83	21.91 22.93	28.01 24.05	24.15 25.20	25.81 26.87	
11 12	17.68	18.67	19.68	20.72	21.78	22.86	23.98	25.11	26.27	27.46	
13	18.68	19.68	20.70	21.75	22.83	23.93	25.05	26.20	27.87	28.57	
14 15	19.70 20.75	$20.72 \\ 21.78$	21.75 22.83	22.81 23.90	23.90 25.00	25.01 26.12	26.15 27.27	27.31 28.44	28.49 29.64	29.70 30.86	
16	21.83	22.86	23.93	25.01	26.12	27.26	28.42	29.60	30.81	32.05	16
17 18	22.98 24.05	23.98 25.11	25.05 26.20	26.15 27.31	27.27 28.44	28.42 29.60	29.59 30.79	30.79 32.00	82.01 83.23	83.26 84.49	
19	25.20	26.27	27.37	28.49	29.64	80.81	32.01	83.28	34.48	85.75	
20	26.37	27.46	28.57	29.70	30.86	82.05	83.26	34,49	85.75	87.04	
21 22	27.57 28.79	28.67 29.90	29.79 31.04	30.94 32.20	32.11 33.38	33.31 34.59	34.53 35.83	35.78 37.09	37.05 38.37	38.35 39.68	
23	80.04	81.16	32.31	33.48	34.68	35.90	37.15	38.42	39.72	41.04	23
24 25	31.31 32.60	32.44 33.75	33.60 34.93	34.79 36.12	36.00 37.35	37.23 38.59	38.49 39.86	39.78 41.16	41.09 42.48	42.42 43.83	24 95
26	38.93	35.09	36.27	37.48	38.72	39.98	41.26	42.57	43.90	45.26	
27	35.27	36.44	87.64	38.86	40.11	41.38	42.68	44.00	45.35	46.72	27
28 29	36.64 38.04	37.83 39.23	39.04 40.46	40.27	$41.53 \\ 42.98$	42.81 44.27	44.12 45.59	45.46 46.94	46.81 48.31	48.20 49.70	
30	39.46	40.67	41.90	43.16	44.44	45.75	47.09	48.44	49.88	51.28	
81	40.90	42.12	43.37	44.64	45.93	47.26	48.60	49.98	51.37	52.79	
82 33	42.37 43.86	48.60 45.11	44.86 46.38	46.15 47.68	47.46 49.00	48.79 50.35	50.15 51.72	51.53 53.11	52.94 54.58	54.37 55.98	
84	45.38	46.64	47.93	49.23	50.57	51.93	58.31	54.72	56.15	57.60	
85 86	46.93 48.49	48.20 49.78	49.49 51.09	50.81 52.42	52.16 53.78	58.58 55.16	54.98 56.57	56.35 58.00	57.79 59.46	59.26 60.94	
87	50.09	51.38	52.70	54.05	55.42	56.81	58.23	59.68	61.15	62.64	37
88 39	51.70 58.85	53.01 54.67	54.85 56.01	55.70 57.38	57.09 58.78	58.49 60.20	59.93 61.64	61.38	62.86 64.60	64.37 3 66.12	
40	55.01	56.85	57.70	59.09	60.49	61.93	63.38	64.86	66.37	67.90	
41	56.70	58.05	59.42	60.81	62.23	63.68	65.15	66.64	68.16	69.70	
42 48	58.42 60.16	59.78 61.58	61.16	62.57 64.35	64.00 65.79	65.46 67.26	66.94 68.75	68.44 70.27	69.98 71.81	71.53 4 78.38	
44	61.98	68.81	64.72	66.15	67.60	69.09	70.59	72.12	73.68	75.26	44
45	68.72	65.11	66.58	67.98	69.44	70.94	72.46	74.00	75.57	77.16	
46	65.58 67.87	66.94 68.79	68.87 70.28	69.83	71.81 73.20	72.81 74.72	74.85 76.26	75.90 77.88	77.48 79.42	79.09 4 81.04	
48	69.28	70.67	72.12	78.60	75.11	76.64	78.20	79.78	81.38	83.01	48
49 50	71.12 78.04	72.57 74.49	74.04 75.98	75.58 77.48	77.05 79.01	78.59 80.57	80.16 82.15	81.75 83.75	83.37 85.38	85.01 4 87.04	
	11	12	13	14	15	16	17	18	19	20	-

TABLE XIX.-BASE 30.-SLOPES 1 to 1.

Feet.	21	22	23	24	25	26	27	28	29	30	Feet.
0	17.11	18.20	19.31	20.44	21.60	22.79	24.00	25.23	26.49	27.78	1
1	17.94	19.04	20.16	21.31	22.48	23.68	24.90	26.15	27.42	28.72	1
2	18.79	19.90	21.02	22.20	23.38	24.59	25.83	27.09	28.37	29.68	2
3	19.67	20.79	21.94	23.11	24.30	25.53	26.78	28.05	29.35	30.67	1
4	20.56	21.70	22.86	24.05	25.26	26.49	27.75	29.04	30.35	31.68	4
5	21.49	22.64	23.81	25.01	26,23	27.48	28.75	80.05	31.37	32.72	1
6	22.44	23.60	24.79	26.00	27.23	28.49	29.78	81.09	32.42	33.78	1
7	23.42	24.59	25.79	27.01	28.26	29.53	30.83	32.15	33.49	34.86	
8	24.42	25.60	26.81	28.05	29.31	80.59	31.90	33.24	34.59	35.98	8
9	25.44	26.64	27.86	29.11	30.38	81.68	33.00	34.35	85.72	87.11	9
10	26.49	27.70	28.94	30.20	31.48	32.79	34.12	35.48	36.86	38.27	10
11	27.57	28.79	30.04	31.31	32.60	33.93	35.27	36.64	38.04	39.46	11
12	28.67	29.90	31.16	32.44	33.75	35.09	36.44	37.83	39.23	40.67	
13	29.79	31.04	32.31	33.60	34.93	36.27	37.64	39.04	40.46	41.90	
14	30.94	32.20	33.48	34.79	36.12	37.48	38.86	40.27	41.70	43.16	
15	32.11	33.38	34.68	36.00	37.35	38.72	40.11	41.53	42.98	44,44	
16	33.31	34.59	35.90	37.23	38.59	39.98	41.38	42.81	44.27	45.75	100
17	34.53	35.83	37.15	38.49	39.86	41.26	42.68	44.12	45.59	47.09	
18	35.78	37.09	38.42	39.78	41.16	42.57	44.00	45.46	46.94	48,44	
19	37.05	38.37	39.72	41.09	42.48	43.90	45.85	46.81	48.31	49.83	
20	38.35	39.68	41.04	42.42	43.83	45.26	46.72	48.20	49.70	51.23	
	1000000		2.00	V	45,20	46.64		49.60	51.12	52.67	
21	39.67	41.01	42.38	43.78	46.59	2.27	48.11 49.53	51.04	52.57	54.12	
22	41.01	42.37	43.75	45.16	48.01	48.05	50.98	52.49	54.04	55.60	
23	42.38	43.75	45.15	46.57	49.46	50.94	52.44	53.98	55.53	57.11	
24 25	43.78 45.20	45.16 46.59	46.57	49.46	50.93	52.42	53.94	55.48	57.05	58.64	
		1000	P.S. Salley	A 2 Co.	U. 0	100000	9.00		100000000000000000000000000000000000000	13, 20, 100	
26	46.64	48.05	49.48	50.94	52.42	53.98	55.46	57.01	58.59	60.20	
27	48.11	49.53	50.98	52.44	53.94	55.46	57.00 58.57	58.57	60.16	61.78	
28	49.60	51.04	52.49	53.98 55.53	55.48 57.05	57.01 58.59	60.16	60.15	63.37	65.01	
29 30	51.12 52.67	52.57 54.12	55.60	57.11	58.64	60.20	61.78	63.38	65.01	66.67	100
700	ALC: NO	1000	PUBLIC CAS	20. 1. 7	7 65 0 6 5	A 400 M	7 20 10 10		100000000	2000	100
31	54.23	55.70	57.20	58.72	60.26	61.83	63.42	65.04	66.68	68.35	
32	55.83	57.31	58.81	60.35	61.90	63.48	65.09	66.72	68.37	70.05	
33	57.44	58.94	60.46	62.00	63.57	65.16	66.78 68.49	68.42 70.15	70.09	71.78	
34 35	59.09	60.59	62,12	63.68	66.98	66.86	70.23	71.90	73.59	75.31	
353	60.75	62.27	63.81	65.38	140000	1000	1000000		1. C. C. C. A. C.	1 2 10 10 10	50
36	62.44	63.98	65.53	67.11	68.72	70.35	72.00	73.68	75.38	77.11	
37	64.16	65.70	67.27	68.86	70.48	72.12	73.79	75.48	77.20	78.94	
38	65.90	67.46	69.04	70.64	72.27	73.93	75.60	77.81	79.04	80.79	
39	67.67	69.23	70.83	72.44	74.09	75.75	77.44	79.16	80.90	82.67	
40	69.46	71.04	72.64	74.27	75.93	77.60	79.81	81.04	82.79	84.57	150
41	71.27	72.86	74.48	76.12	77.79	79.48	81.20	82.94	84.70	86.49	1
42	73.11	74.72	76.35	78.00	79.68	81.38	83.11	84.86	86.64	88.44	
43	74.98	76.59	78.23	79.90	81.59	83.81	85.05	86.81	88.60	90.42	
44	76.86	78.49	80.15	81.83	83.53	85.26	87.01	88.79	90.59	92.42	
45	78.78	80.42	82.09	83.78	85.49	87.23	89.00	90.79	92.60	94.44	
46	80.72	82.37	84.05	85.75	87.48	89.23	91.01	92.81	94.64	96.49	100
47	82.68	84.35	86.04	87.75	89.49	91.26	93.05	94.86	96.70	98.57	100
48	84.67	86.35	88.05	89.78	91.53	93.31	95.11	96.94	1000 31017	100.67	100
49	86.68	88.37	90.09	91.83	93.59	95.38	97.20		100.90	CCCLL	
50	88.72	90.42	92.15	93.90	95.68	97,48	99.31	101.16	103.04	104.94	5(
	21	22	23	24	25	26	27	28	29	30	

TABLE XIX.—BASE 30.—SLOPES 1 to 1:

Feet.	31	32	33	34	35	36	37	38	39	40	Feet.
0	29.09	30.42	31.78	33.16	34.57	36.00	37.46	38.94	40.44	41.98	(
1	30.04	31.38	32.75	34.15	35.57	37.01	38.48	39.98	41.49	43.04	9
2	31.01	32.37	33.75	35.16	36.59	38.05	39.53	41.04	42.57	44.12	1
3	32.01	33.38	34.78	36,20	37.64	39.11	40.60	42.12	43.67	45.23	1
4	33.04	34.42	35.83	37.26	38.72	40.20	41.70	43.23	44.79	46.37	1
5	34.09	35.48	36.90	38.35	39.81	41.31	42.83	44.37	45.94	47.53	1
6	35.16	36.57	38.00	39.46	40.94	42.44	43.98	45.53	47.11	48.72	
7	36.26	37.68	39.12	40.59	42.09	43,60	45.15	46.72	48.31	49.93	
8	37.38	38,81	40.27	41.75	43.26	44.79	46.35	47.93	49.53	51.16	
9	38.53	39.98	41.44	42.94	44.46	46.00	47.57	49.16	50.78	52.42	1
10	39.70	41.16	42.64	44.15	45.68	47.23	48.81	50.42	52.05	53.70	1
11	40.90	42.37	43.86	45.38	46.93	48.49	50.09	51.70	53.35	55.01	11
12	42.12	43.60	45.11	46.64	48.20	49.78	51.38	53.01	54.67	56.35	
13	43.37	44.86	46.38	47.93	49.49	51.09	52.70	54.35	56.01	57.70	
14	44.64	46.15	47.68	49.23	50.81	52.42	54.05	55.70	57.38	59.09	
15	45.93	47.46	49.00	50.57	52.16		55.42	57.09	58.78	60.49	
16	47.26	48.79	50.35	51.93	53.53	03/03/03	56.81	58.49	60.20	61.93	
17	48.60	50.15	51.72	53.31	54.93	56.57	58.23	59.93	61.64	63.38	
18	49.98	51.58	53.11	54.72	56.35	58.00	59.68	61.38	63.11	64.86	
19	51.37	52.94	54.58	56.15	57.79	59.46	61.15	62.86	64.60	66.37	
20	52.79	54.37	55.98	57.60	59.26		62.64	64.37	66.12	67.90	
2.1	54.23	3.4000.30	Commercial A	59.09	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	62.44	11 10 MAC	4400	100000000000000000000000000000000000000		
21	55.70	55.83	57.44	The second second	60.75		64.16	65.90	67.67	69.46	
22		57.31	58,94	60.59	62, 27	63.98	65.70	67.46	69.23	71.04	
23	57.20	58.81	60.46	62.12	63.81	65.53	67.27	69.04	70.83	72.64	
24 25	$58.72 \\ 60.26$	60.35	62.00	63.68 65.26	65.38		68.86 70.48	70.64	72.44	74.27	
7.7	CO. C. C. C. L.	10.0000	175-115-0	100000		THE STATE OF	100000000000000000000000000000000000000	1700000000	VIII. 1		100
26	61.83	63.48	65.16	66.86	68.59	70.35	72.12	73.93	75.75	77.60	
27	63.42	65.09	66.78	68.49	70.23		73.79	75.60	77.44	79.31	
28	65.04	66.72	68.42	70.15	71.90		75.48	77.31	79.16	81.04	
29 30	66.68 68.35	68.37 70.05	70.09	71.83	73.59 75.31	75.38	77.20	79.04 80.79	80.90 82.67	82.79 84.57	
43.5	Company of the	100000	11000	1000	Committee of	100000	100000	15, 17, 7	1000000	The second second	100
31	70.04	71.75	73.49	75.26	77.05	78.86	80.70	82.57	84.46	86.37	12.
32	71.75	73.48	75.23	77.01	78.81	80.64	82.49	84.37	86.27	88.20	
33	73.49	75.23	77.00	78.79	80.60		84.31	86.20	88.11	90.05	
34 35	75.26 77.05	77.01 78.81	78.79	80.59 82.42	82.42 84.26		86.15 88.01	88.05 89.93	89.98 91.86	91.93 93.83	
A. 1		2000	80.60	110 2000	1103733	25000.0	A CAST ACCORD		1000000		
36	78.86	80.64	82.44	84.27	86.12	88.00	89.90	91.83	93.78	95.75	1
37	80.70	82.49	84.31	86.15	88.01	89.90	91.81	93.75	95.72	97.70	
38	82.57	84.37	86,20	88.05	89.93		93.75	95.70	97.68	99.68	
39	84.46	86.27	88.11	89.98	91.86 93.83		95.72 97.70	97.68	101.68	101.68	
40	86.37	88.20	90.05	91,93	No. 2020	1, 100, 000	65.000.0	10000000	300000	V. 455.00	
41	88.31	90.15	92.01	93.90	95.81	97.75			103.72		
42	90.27	92.12	94.00	95.90	97.83				105.78		
43	92.26	94.12	96.01	97.93					107.86		
44	94.27	96.15	98.05						109.98		
45	96.31	N. ST 504	Calculation of the control	MANNY S	AND THE	P. W. S. L. A.	200	No. 5 . 10 . 14	112.11	1000	1
46									114.27		
47									116.46		
48									118.67		
									120.90		
50	106.86	108.81	110,79	112.79	114.81	116.86	118.94	121.04	123, 16	125.31	5
	31	32	33	34	35	36	37	38	39	40	-

Feet.	41	42	43	44	45	46	47	48	49	50	Feet.
0	43.58	45.11	46.72	48.35	50.00	51.68	53.38	55.11	56.86	58.64	-
1	44.60	46.20	47.81	49.46			54.53	56.27	58.04	59.83	1
2	45.70	47.31	48.94					57.46		61.04	2
3	46.83	48, 44	50.09	51.75	53.44		56.90	58.67	60.46	62.27	3
4	47.98	49.60	51.26		54.64		58.12	59.90		63.53	4
5	49.15	50.79	52.46	1000	55.86	17 17 11 11 11	59.37	61.16	100000000000000000000000000000000000000	64.81	5
6	50.35	52.00	53.68			58.86	60.64	62.44	64.27	66.12	
7	51.57	53.23	54.93	56.64	58.38		61.94	63.75	65.59	67.46	
8	52.81	54.49	56.20	57.93	59.68			65.09	66.94	68.81	
9	54.09	55.78	57.49	59.23	61.00		64.60	66.44	68.31	70.20	
10	55.38	57.09	58.81	60.57	62.35		65.98	67.83	69.70	71.60	
11	56.70	58.42	60.16				67.37	69.23	71.12	73.04	
12	58.05	59.78	61.53	63.31	65.11	66.94	68.79	70.67	72.57	74.49	
13	59.42	61.16	62,93	64.72 66.15	66.53		70.23	72.12 73.60	74.04	75.98	
$\frac{14}{15}$	60.81	62.57 64.00	64.35 65.79		67.98 69.44	71.31	71.70 73.20	75.11	75.53 77.05	77.48	
	22.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2	1.55000		725 " 105	100	100000000000000000000000000000000000000	1000000	200	67.5		
16	63.68	65.46	67.26	69.09	70.94	72.81	74.72	76.64	78.59	80.57	
17	65.15	66.94	68.75	70.59	72.46		76.26	78.20			
18	66.64	68.44	70.27	72.12	74.00 75.57	75.90 77.48	77.83	79.78		83.75	
$\frac{19}{20}$	68.16 69.70	69.98 71.53	73.38	75.26	77.16		81.04	81.38 83.01	83.37 85.01	85.38 87.04	
			- Con- 10 hr	182.200	17 July 3 4	20,000		been balled as		1000	
21	71.27	73.11	74.98	76.86	78.78		82.68	84.67	86.68	88.72	
22	72.86	74.72	76.59 78.23	78.49 80.15	80.42 82.09	82.37 84.05	84.35 86.04	86.35 88.05	88.37	90.42 92.15	
$\frac{23}{24}$	76.12	78.00	79.90	81.83	83.78		87.75	89.78	90.09 91.83	93.90	
25	77.79	79.68	81.59	83.53	85.49		89.49	91.58	93.59	95.68	
	100000000000000000000000000000000000000	100000	The second second	100000000000000000000000000000000000000	100000000000000000000000000000000000000	HC1655511	110000000000000000000000000000000000000	1. Sec. 1 (1.1)	Be a word		
26	79.48 81.20	81.38 83.11	83.31 85.05	85.26 87.01	87.23 89.00		91.26 93.05		95.38 97.20		
$\frac{27}{28}$	82.94	84.86	86.81	88.79	90.79		94.86			101.16	
29	84.70	86.64	88.60	90.59	92.60					103.04	
30	86.49		90.42		94.44					104.94	
31	A Second	90.27	92.26	1294 TOTAL	96.31	9-20-07	100.46			0.0000000000000000000000000000000000000	
$\frac{32}{32}$	88.31 90.15	92.12	94.12			100.27					
33	92.01	94.00	96.01			102.20					
34	93.90		97.93			104.15					
35	95.81	97.83				106.12					
36	0.3 25.5	A. L. C. L. D.			HAY MINA	108.12	B 5 5 5 5 5 5 5			554154	12.7
37						110.15					
	101.70										
39	103.72	105.78	107.86	109.98	112.11	114.27	116.46	118.67	120.90	123.16	39
	105.75										
	107.41	production of the		100 to 10	200 0000	100000000000000000000000000000000000000	7 1 2 1	Production for the Control	200000	The second of	
	109.90										
	112,01										
	114.15										
	116.31										
	118.49	200 CA 22	The second second	C		4 - 3 - 3 - 3 - 3 - 3 - 3			100000000000000000000000000000000000000	1000000000	
	120.70										
	122.94										
	125.20										
	127.48										
_	-	_	-		-	-	77.01.0	-	-		-
	41	40	49	44	12	16	477	40	40	70	1

TABLE XX.—BASE 30.—SLOPES 11 to 1.

Peet.	1	2	3	4	5	6	7	8	9	10	Poot.
0	0.57	1.17	1.81	2.47	3.16	3.89	4.65	5.43	6.25	7.10	1
1	1.16	1.77	2.42	3.10	3.81	4.55	5.32	6.13	6.96	7.82	
2	1.77	2.41	3.07	3.77	4.49	5.25	6.03	6.85	7.70	8.58	
3	2.42	3.07	3.75	4.46	5.20	5.97	6.77	7.61	8.47	9.37	
4	3,10	3.77	4.46	5.19	5.94	6.73	7.55	8.40	9.27	10.19	
5	3.81	4.49	5.20	5.94	6.71	7.51	8.35	9.21	10,11	11.02	
6	4.55	5.25	5.97	6.73	7.51	8.33	9.18	10.06	10.97	11.91	1
7	5.32	6.03	6.77	7.55	8,35	9.18	10.05	10.94	11.87	12.82	1
8	6.13	6.85	7.61	8.40	9.21	10.06	10.94	11.85	12.79	13.77	
9	6.96	7.70	8.47	9.27	10.11	10.97	11.87	12.79	13.75	14.74	
10	7.82	8.58	9.37	10.19	11.02	11.91	12.82	13.77	14.74	15.74	1
11	8.72	9.50	10.29	11.13	11.99	12.89	13.81	14.77	15.76	16.77	
12	9.64	10.47	11.25	12.02	12.98	13.89	14.83	15.80	16.81	17.84	1
13	10.60	11.40	12.24	13.10	13.98	14.92	15.88	16.87	17.89	18.94	
14	11.59	12.41	13.25	14.14	15.01	15.99	16.96	17.96	19.00	20.06	
15	12.61	13.47	14.31	15.20	16.13	17.03	18.07	19.09	20.14	21.22	1
16	13.65	14.50	15.39	16.30	17.24	18.21	19.21	20.25	21.31	22.41	1
17	14.73	15.60	16.50	17.42	18.38	19.37	20.39	21.44	22.52	23.63	1
18	15.84	16.73	17.64	18.58	19.55	20.56	21.59	22.65	23.75	24.88	1
19	16.98	17.89	18.81	19.77	20.76	21.77	22,82	23.90	25.02	26.16	1
20	18.16	19.07	20.02	20.99	21.99	23.02	24.09	25.19	26.31	27.47	2
21	19.37	20.29	21.25	22.24	23.26	24.31	25.39	26.50	27.64	28.81	2
22	20.60	21.54	22.52	23.52	24.55	25.62	26.71	27.84	29.00	30.19	2
23	21.87	22.82	23.81	24.83	25.88	26.96	28.07	29.21	30.39	31.59	2
24	23.16	24.15	25.15	26.17	27.24	28.33	29.46	30.62	31.81	33.02	2
25	24.49	25.48	26.50	27.55	28.63	29.74	30.88	32.05	33.26	34.49	2
26	25.85	26.85	27.89	28.95	30.05	31.17	32.33	33.52	34.74	35.99	2
27	27.24	28.26	29.32	30.39	31.50	32.64	33.81	35.02	36.25	37.52	
28	28.66	29.69	30.76	31.85	32.98	34.14	35.32	36.54	37.79	39.07	2
29	30.11	31.16	32.24	33.35	34.49	35.66	36.87	38.10	39.37	40.66	2
30	31.59	32.65	33.75	34.88	36.03	37.22	38.44	39.69	40.97	42.28	3
31	33.02	34.18	35,29	36.43	37.61	38.81	40.05	41.31	42.61	43.94	3
32	34.64	35.74	36.87	38.02	39.21	40.43	41.68	42.96	44.27	45.62	
33	36.21	37.33	38.47	39.65	40.85	42.08	43,35	44.65	45.97	47.33	
34	37.81	38.95	40.11	41.30	42.52	43.77	45.05	46.36	47.70	49.07	
- 1	39.44	40.60	41.78	42.98	44.21	45.48	46.77	48.10	49.46	50.85	
36	41.10	42.29	43.48	44.69	45.94	47.22	48.53	49.88	51.25	52.65	
37	42.80	44.00	45.21	46.44	47.70	49.00	50.32	51.68	53.07	54.49	
39	44.52	45.74	46.98	48.21	49.49	50.80	52.15	53.52	54.92	56.36	
40	48.10	47.51 49.30	48.77 50.57	50.02 51.85	51.31	52.64	54.00	55.39	56.81	58.26	
- 1	100000	1.5	100	3.50	53.16	54.51	55.88	57.28	58.72	60.19	
41	49.92	51.18	52.42	53.72	55.05	56.40	57.79	59.21	60.66	62.15	
48	51.78	53.02	54.81	55.62	56.96	58.33	59.74	61.17	62.64	64.14	
44	58.66	54.88	56.22	57.55	58.90	60.29	61.71	63.16	64.65	66.16	
45	55.57 57.51	56.85 58.79	58.16	59.51	60.88	62.28	63.73	65.19	66.68	68.21	
	100 700 000	100 mm	60.14	61.50	62.89	64.30	65.76	67.24	68.75	70.29	
46	59.49	60,80	62.15	63.52	64.92	66.36	67.82	69.32	70.85	72.41	
47	61.50	62.85	64.18	65.57	66.99	68.44	69.92	71.44	72.98	74.55	
48	63.53	64.98	66.25	67.65	69.09	70.56	72.05	73.58	75.14	76.73	
49	65.60	67.05	68.85	69.77	71.22	72.70	74.21	75.76	77.33	78.94	
50	67.70	69.07	70.48	71.92	73.38	74.88	76.40	77.96	79.55	,81.17	9
	1	2	3	4	5	6	7	8	9	10	Γ

TABLE XX.—BASE 30.—SLOPES 11 to 1.

Foot,	11	12	13	14	15	16	17	18	19	20	Poot.
0	7.98	8.89	9.83	10.80	11.81	12.84	13.90	15.00	16.13	17.28	
1	8.72	9.64	10.60	11.59	12.61	13.65	14.73	15.84	16.98	18.16	
2	9.50	10.47	11.40	12.41	13.47	14.50	15.60	16.73	17.89	19.07	
3	10.29	11,25	12.24	13.25	14.31	15.39	16.50	17.64	18.81	20.02	
4	11.13	12.02	13.10	14.14	15.20 16.13	$16.30 \\ 17.24$	$17.42 \\ 18.38$	18,58 19,55	19.77 20.76	20.99 21.99	
5	11.99	12.98	13.98	15.01		the second of	10000	1000	1000	WINDS THE RESERVE	1
6	12.89	13.89	14.92	15.99	17.03	18.21	19.37 20.39	20.56	21.77	23.02	3
7 8	13.81	14.83 15.80	15.88 16.87	16.96 17.96	18.07 19.09	19.21 20.25	21,44	21.59 22.65	22.82 23.90	24.09 25.19	
9	14.77	16.81	17.89	19.00	20.14	21.31	22.52	23.75	25.02	26.31	
10	15.76	17.84	18.94	20.06	21.22	22,41	23.63	24.88	26.16	27.47	
- 1	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	12 1 1/201	510000	21.16	22.33	23.53	24.77	26.03	27.33	28.66	
11	17.82 18.90	18.90 20.00	20.02 21.13	22.28	23.47	24,69	25.94	27.22	28.53	29.88	
13	20.02	21.13	22.27	23.44	24.65	25.88	27.15	28.44	29.77	31.13	
14	21.16	22.28	23.44	24.63	25,85	27.10	28.38	29.69	31.03	32.41	
15	22.33	23.47	24.65	25.85	27.08	28,35	29.65	30.97	32.33	33.72	
16	23.53	24.69	25.88	27.10	28.35	29.63	30.94	32.28	33.66	35.06	1
17	24.77	25.94	27.15	28.38	29.65	30.94	32.27	33.63	35.02	36.44	
18	26.03	27.22	28.44	29.69	30.97	32.28	33.63	35.00	36.40	37.84	
19	27.33	28.53	29.77	31.03	32,33	33.66	35.02	36.40	37.82	39.27	
20	28.66	29.88	31.13	32.41	33,72	35.06	36.44	37.84	39.27	40.74	2
21	30.02	31.25	82.52	33.81	35.14	36.50	37.89	39.31	40.76	42.24	2
22	31.40	82.65	83.94	35.25	36.59	37.96	39.37	40.80	42.27	43.77	
23	32.82	34.09	35.39	36.71	88.07	39.46	40.88	42.33	43.81	45.32	2
24	34.27	35.56	36.87	38,21	39.58	40,99	42.42	43.89	45.39	46.91	2
25	35.76	37.05	38.38	39.74	41.13	42.55	44.00	45.48	46.99	48.53	2
26	37.27	38.58	39.92	41.30	42.70	44.14	45.60	47.10	48.63	50.19	2
27	38.81	40.14	41.50	42.89	44.31	45.76	47.24	48.75	50.29	51.87	
28	40.39	41.73	43.10	44.51	45.94	47.41	48.90	50.43	51.99	53.58	
29	41.99	43.35	44.74	46.16	47.51	49.09	50.60	52.15	53.72	55.32	
30	43.63	45.00	46,40	47.84	49.31	50.80	52,33	53.89	55.48	57.10	
31	45.29	46.68	48.10	49.55	51.03	52,55	54.09	55.66	57.27	58.90	
32	46.99	48.40	49.83	51.30	52.79	54.32	55.88	57.47	59.09	60.74	
33	48.72	50.14	51.59	53.07	54.58	56,13	57.70	59.31	60.94	62,61	
34	50.48	51.91	53.38	54.88	56.40	57.96	59.55	61.17	62.82	64.51	
35	52.27	53.72	55.20	56.71	58.26	59.83	61.44	63,07	64.74	66.44	1
36	54.09	55.56	57.05	58.58	60.14	61.73	63.35	65.00	66.68	68.39	
37	55.94	57.42	58.94	60.48	62.05	63.66	65.29	66.96	68.66	70.39	
38	57.82	59.32	60.85	62.41	64.00	65.62	67.27 69.27	68.95	70.66 72.70	72.41 74.46	
39	59.74	61.25	62.79	64.37 66.36	65.97 67.98	69.63	71.31	73.02	74.77	76.54	
10	61.68	63.21	64.77	100000	C-11.50	12 2 4 2 2 2	Burney	Marine Control	200	11.00	
11	63.66	65.20	66.77	68.38	70.02	71.68	73.38 75.48	75.11 77.22	76.87 79.00	78.66 80.80	
12	65.66	$67.22 \\ 69.27$	68.81 70.88	70.43 72.52	72.08 74.18	73.77 75.88	77.61	79.37	81.16	82.98	
13	67.70 69.77	71.36	72.98	74.63	76.31	78.02	79.77	81.54	83.35	85.19	
15	71.87	73.47	75.11	76.77	78.47	80.20	81.96	83.75	85.57	87.42	
× 1	1237.00	W	200	C. C. S. M.	2512,79621	82.41	84.18	85.99	87, 82	89.69	
16	74.00	75.62	77.27	78.95	80.66	84.65	86.46	88.26	90.11	91.99	
17	76.16	77.79 80.00	79.46 81.68	81.16 83.40	82.89 85.14	86.91	88.72	90.56	92.42	94.32	
19	80.57	82.24	83.94	85.66	87.42	89.21	91.03	92.89	94.77	96.68	
50	82.82	84.51	86.22	87.96	89.74	91.54	93.38	95,25	97.15	99.07	
1	11	12	13	14	15	16	17	18	19	20	-

TABLE XX.—BASE 30.—SLOPES 11 to 1.

Ž	21	22	23	24	25	26	27	28	29	30	Post.
0	17.29	19.69	20.94	22.22	23.53	24.88	26.25	27.65	29.02	30.56	1
1	19.37	20.60	21.87	23.16		25,85	27.24	28.66	30.11	31.59	Ŀ
2	20.29	21.54	22.82	24.15	25.48	26.85	28.26	29.69	31.16	32.65	1
3	21.25	22.52	23.81	25.15	26.50	27.89	29.32	30.76	32.24	33.75	1
4	22.24	23.52	24.83	26.17	27.55	28.95	30.39	31.85	33.35	34.88	
5	23.26	24.55	25.88	27.24	28.63	30.05	31.50	32.98	34,49	36.03	L
6	24.31	25.62	26.96	28.33	29.74	31.17	32.64	34.14	35.66	37.22	
7	25.39		28.07	29.46			33.81	35.32	36.87	38.44	ŀ
8	26.50	27.84	29.21	30.62	32.05	33.52	35.02	36.54	38.10	39.69	
9	27.64	29.00	30.39	31.81	33.26	34.74	36.25	37.79	39.37	40.97	1
10	28.81	30.19	31.59	33.02	34,49	35.99	37.52	39.07	40.66	42.28	1
11	30.02	31.40	32.82	34.27	35.76	37.27	38.81	40.39	41.99	43.63	1
12	31.25		34.09	35.56		38.58	40.14	41.73	43.85	45.00	
13	32.52		35.39	36.87	38.38	39.92	41.50	43.10	44.74	46,40	
14	33.81	35.25	36.71	38.21	39.74	41.30	42.89	44.51	46.16		
15	35.14		38.07	39.58		42.70		45.94	47.51	49.31	
16	36.50	Per Sirial	39.46	40.99	42.55	44.14	45.76	47.41	49.09	50.80	
17	37.89		40.88	42.42		45.60		48.90	50.60	52.33	
18	39.31	40.80	42.33	43.89	45.48	47.10	48.75	50.43	52.15	53.89	
19	40.76		43.81	45.39		48.63		51.99	58.72	55.48	
20	42.24		45.32	46,91	48,53	50.19	51.87	53.58	55.32	57.10	
21	43.75	40.00	46.87	48.47	50.11	Development.	10000	10.00		1 1 1 1 1 1 1	
22	45.29		48.44	50.06		51.77	53.47	55.20	56.96		
23	46.87	48.44	50.05	51.68		53.40	55.11 56.74	56.85	58.63 60.32	60.43	
24	48.47		51.68	53.33		56.73		58.53 60.25	62.05	63, 89	
25	50.11	51.71	53.35	55.02	56.71	58.44	60.20	61.99	63.81	65.66	
X	1000000	100 mm to be	500 - 100	Carlo Start	112 20 20	16.25	17 1 11 11 11 11	HA VICTORY	300 30	The second second	١.
26	51.77	53.40	55.05	56.73		60.19	61.96	63.77	65.60	67.47	
27	53.47	55.11	56.74	58.47	60.20	61.96		65.57	67.42	69.31	
85	55.20		58.53	60.25	61.99	63.77	65.57	67.41	69.27	71.17	
30	56.96		60.32	62.05		65.60		69.27	71.16	73.07	
201	58.75	MACHINE TO	62.15	63.89	65.66	67.47	69.31	71.17	73.07	75.00	г
31	60.57	62.27	64.00	65.76		69.37	71.22	73.10	75.02	76.96	
32	62.42		65.88	67.65	69.46	71.30		75.06	76.99	78.95	
33	64.81	66.03	67.79	69.58		73.26		77.05	79.00	80.97	
34	66, 22		69.74	71.54	73.38	75.26	77.15	79.07	81.03	83.02	
35	68.16	10.00	71.71	73.53	10000000	77.27	79.18	81.13	83.10	85.11	2
36	70.14	71.91	73.72	75.56	77.42	79.32	81.25	83.21	85.20	87.22	3
17	72.15		75.76	77.61	79.49	81.40	83.35	85.32	87.33	89.37	
18	74.18		77.82	79.69	81.59	83.52	85.48	87.47	89.49	91.54	
19	76.25	200	79.92	81.81	83.72	85,66		89.65	91.68	93.75	
0	78,35	80,19	82.05	83.95	85.88	87.84	89.83	91.85	93.90	99.99	4
1	80,48	82.33	84,21	86.13	88.07	90.05	92.05	94.09	96.16	98.25	4
12	82.64	84.51	86.40	88.33	90.29	92.28	94.31	96.36		100.56	
18	84.83		88.68	90.57	92,55	94.55	96.59			102.89	
4	87.05	88.95	90.88	92.84	94,83	96.85				105.25	
5	89.81	91,22	98.16	95.14	97.15	99.18	101.25	103.35	105.48	107.64	4
6	91.59	93.52	95.48	97.47	99.49	101.54	103.63	105.74	107.89	110.06	4
7	98.90	95.85	97.82				106.03				
8	96.25	98.21					108.47				
9	98.63	100.60	102.61	104.64	106.71	108.81	110.94	113.10	115.29	117.52	4
0	101,13	103.02	105.05	107.10	109.18	111.30	113.40	115.62	117.82	120.06	5
_	_						-		-	_	-

TABLE XX.—BASE 30.—SLOPES 11 to 1.

Feet.	31	32	33	34	35	36	37	38	39	40	Post
0	32.05	33.58	35.15	36.74	38.37	40.02	41.70	43.40	45.14	46.91	1
1	33.02	34.64	36.21	37.81	39.44		42.80	44.52	46.27	48.10	
2	34.18	35.74	37.33	38.95	40.60		44.00	45.74	47.51	49.30	
3	35.29	36.87	38.47	40.11	41.78		45.21	46.98	48.77	50.57	
4	36.43	38.02	39.65	41.30	42.98	44.69	46.44	48.21	50.02	51.85	
5	37.61	39.21	40.85	42.52	44.21	45.94	47.70	49.49	51.31	53.16	
6	38.81	40.43	42.08	43.77	45.48	47.22	49.00	50.80	-52.64	54.51	
7	40.05	41.68	43.35	45.05	46.77	48.53	50.32	52.15	54.00	55.88	
8	41.31	42.96	44.65	46.36	48.10	49.88	51.68	53.52	55.39	57.28	١
9	42.61	44.27	45.97	47.70	49.46		53.07	54.92	56.81	58.72	1
10	43.94	45.62	47.33	49.07	50.85	52.65	54.49	56.36	58.26	60.19	1
11	45.29	46.99	48.72	50.48	52.27	54.09	55.94	57.82	59.74	61.68	1
12	46.68	48.40	50.14	51.91	53.72	55.56	57.42	59.32	61.25	63,21	1
13	48.10	49.83	51.59	53,38	55.20	57.05	58.94	60.85	62.79	64.77	
14	49.55	51.30	53.07	54.88	56.71	58.58	60.48	62.41	64.37	66.36	1
15	51.03	52.79	54.58	56.40	58.26	60.14	62.05	64.00	65.97	67.98	1
16	52.55	54.32	56.13	57.96	59.83	61.73	63.66	65.62	67.61	69.63	1
17	54.09	55.88	57.70	59.55	61.44	63.35	65.29	67.27	69.27	71.31	1
18	55.66	57.47	59.31	61.17	63.07	65.00	66.96	68.95	70.97	73.02	
19	57.27	59.09	60.94	62.82	64.74	66.68	68.66	70.66	72.70	74.77	1
20	58.90	60.74	62.61	64.51	66.44	68.39	70.39	72.41	74.46	76.54	2
21	60.57	62.42	64.31	66.22	68.16	70.14	72.15	74.18	76.25	78.35	2
22	62.27	64.14	66.03	67.96	69.92	71.91	73.94	75.99	78.07	80.19	2
23	64.00	65.88	67.79	69.74	71.71	73.72	75.76	77.82	79.92	82.05	2
24	65.76	67.65	69.58	71.54	73.53	75.56	77.61	79.69	81.81	83.95	2
25	67.55	69.46	71.40	73.38	75.39	77.42	79.49	81.59	83.72	85.88	2
26	69.37	71.30	73.26	75.25	77.27	79.32	81.40	83.52	85.66	87.84	2
27	71.22	73.16	75.14	77.15	79.18	81.25	83.35	85.48	87.64	89.83	
28	73.10	75.06	77.05	79.07	81.13	83.21	85.32	87.47	89.65	91,85	2
29	75.02	76.99	79.00	81.03	83.10	85.20	87.33	89.49	91.68	93.90	2
30	76.96	78.95	80.97	83.02	85.11	87.22	89.37	91.54	93.75	95.99	3
31	78.94	80.94	82.98	85.05	87.15	89.27	91.44	93.63	95.85	98.10	3
32	80.94	82.96	85.02	87.10	89.21	91.36	93.53	95.74	97.98	100.25	
33	82.98	85.02	87.08	89.18	91.31	93.47	95.66		100.14	102.42	3
34	85.05	87.10	89.18	91.30	93.44	95.62	97.82	100.05	102.33	104.63	3
35	87.15	89.21	91.31	93.44	95.60	97.79	100.02	102.27	104.55	106.87	3
36	89.27	91.36	93.47	95.62	97.79	100.00	102.24	104.51	106.81	109.14	3
37	91.44	93.53	95.66	97.82	100.02	102.24	104.49	106.77	109.09	111.44	3
38	93.63	95.74				104.51					
39	95.85					106.81					
10	98.10	100.25	102.42	104.63	106.87	109.14	111.44	113.77	116.13	118,52	4
41	100.39	102.55	104.74	106.96	109,21	111.50	113.81	116.16	118.53	120.94	4
	102.70										
	105.05										
	107.42										
15	109.83	112,05	114.31	116.59	118.90	121.25	123.63	126.03	128.47	130.94	4
16	112.27	114.51	116.77	119.07	121.40	123.77	126.16	128.58	131.03	133.52	4
	114.74										
48	117.24	119.51	121.81	124.14	126.50	128.89	131.31	133.77	136.25	138.77	4
	119.77										
50	122.33	124,63	126.96	129.32	131.71	134.14	136,59	139.07	141.59	144.14	5
	31	32	33	34	35	36	37	38	39	40	ľ

TABLE XX.-BASE 30.-SLOPES 11 to 1.

Feet.	41	42	43	44	45	46	47	48	49	50	Poot.
0	48.72	50.56	52.42	54.32	56.25	58.21	60.20	62.22	64.27	66.36	0
1	49.92	51.78	53.66	55.57	57.51	59.49	61.50	63.53	65.60	67.70	1
2	51.13		54.88	56.85		60.80		64.93			2
3	52.42	54.31	56.22	58.16	1.5	62.15		66.25	Tarlet motor	70.48	3
4	53.72	55.62	57.55	59.51	61.50			67.65	69.77	71.92	4
5	55.05	56.96	58.90	60.88	62.89	64.92	66.99	69.09	71.22	73.38	5
6	56.40		60.29	62.28	64.30			70.56			6
7	57.79		61.71	63.72			69.92	72.05	74.21	76.40	7
8	59.21	61.17	63.16			69.32		73.58	75.76		8
9	60.66	100	64.65				The second second second	75.14	77.33	79.55	9
10	62.15	64.14	66,16	Lacore P	70.29	72.41	74.55	76.73	1907 1000	81.17	10
11	63.66		67.70		71.87	74.00		78.35	80.57	82.82	11
12	65.20			71.36		75.62		80.00		84.51	
13	66.77	68.81	70.88		75.11	77.27		81.68		86.22	
14	68.38	70.43	The second second	74.63		78.95		83.40			
15	70.02	72.08	74.18	76.31	78.47	80.66	82.89	85.14	87.42	89.74	15
16	71.68	73.77	75.88	78.02	80.20	82.41	84.65	86.91	89.21	91.54	16
17	73.38		77.61	79.77	81.96	84.18		88.72	91.03		17
18	75.11	77.22	79.37	81.54		85.99		90.56	92.89		
19	76.87	79.00				87.82		92.42	94.77	97.15	
20	78.66	80.80	82.98	85.19	87.42	89.69	91,99	94,32	96.68	99.07	20
21	80.48	82.64	84.83	87.05	89.31	91.59	93.90	96.25	98.63	101.13	21
22	82.33	84.51	86.71	88.95	91.22	93.52	95.85	98.21	100.60	103.02	22
23	84.21	86.40	88.63	90,88	93.16	95.48	97.82	100.20	102.61	105.05	23
24	86.13	88.33	90.57	92.84		97.47	99.83	102.22	104.64	107.10	24
25	88.07	90.29	92.55	94.83	97.15	99.49	101.87	104.27	106.71	109.18	25
26	90.05	92.28	94.55	96.85	99.18	101.54	103.94	106.36	108.81	111.30	26
27	92.05	94.31	96.59	98.90	101.25	103.63	106.03	108.47	110.94	113.44	27
28	94.09	96.36	98.66	100.99	103.35	105.74	108.16	110.62	113.10	115.62	28
29	96.16	98.44	100.76	103.10	105.48	107.89	110.32	112.79	115.29	117.82	29
30	98.25	100.56	102.89	105.25	107.64	110.06	112.52	115.00	117.52	120.06	30
31	100.39	102.70	105.05	107.42	109.83	112.27	114.74	117.24	119.77	122.33	31
										124.63	
										126.96	
34	106.96	109.32	111.71	114.14	116.59	119.07	121.59	124.14	126.71	129.32	34
35	109.21	111.59	114.00	116.44	118.90	121.40	123.94	126.50	129.09	131.71	35
36	111.50	113.89	116.31	118.77	121.25	123.77	126.31	128.89	131.50	134.14	36
										136.59	
										139.07	
										141.59	
40	120.94	123.40	125.88	128.40	130.94	133.52	136.13	138.77	141.44	144.14	40
41	123.38	125.85	128.35	130.88	133.44	136.03	138.66	141.31	144.00	146.71	41
										149.32	
										151.96	
										154.63	
										157.33	
	the second of	No. of the second		1. 10. 10. 10. 11	the second of the second		A 40 1 1 1 1 1 1 1	5 505 25 25	10 400 410	160.06	100
										162.82	
										165.62	
										168.44	
										171.30	
	41	42	43	44	45	46	47	48	49	50	

TABLE XXI.—BASE 30,—SLOPES 11 to 1.

Feet.	1	2	3	4	5	6	7	8	9	10	1
0	0.57	1.19	1.83	2.52	3.24	4.00	4.80	5.68	6.49	7.41	-
1	1.17	1.80	2.46	3.17	3.91	4.69	5.50	6.35	7.24	8.17	
2	1.80	2.44	3.13	3.85	4.61	5.41	6.24	7.11	8.02	8.96	
3	2.46	3.13	3.83	4.57	5.35	6.17	7.02	7.91	8.83	9.80	1
4	3.17	3.85	4.57	5.33	6.13	6.96	7.83	8.74	9.69	10.67	
5	3.91	4.61	5.35	6.13	6.94	7.80	8.69	9.61	10.57	11.57	
6	4.69	5.41	6.17	6.96	7.80	8.67	9.57	10,52	11.50	12.52	
7	5.50	6.24	7.02	7.83	8.69	9.57	10.50	11.46	12.46	13.50	
8	6.35	7.11	7.91	8.74	9.61	10.52	11.46	12.44	13.46	14.52	
9	7.24	8.02	8.83	9.69	10.57	11.50	12.46	13.46	14.50	15.57	
10	8.17	8.96	9.80	10.67	11.57	12.52	13.50	14.52	15.57	16.67	
11	9.13	9.94	10.80	11.69	12.61	13.57	14.57	15.61	16.69	17.80	
12	10.13	10.96	11.83	12.74	13.69	14.67	15.69	16.74	17.83	18.96	
13	11.17	12.02	12.91	13.83	14.80	15.80	16.83	17.91	19.02	20.17	
14	12.24	13.11	14.02	14.96	15.94	16.96	18.02	19.11	20.24	21.41	
15	13.35	14.24	15.17	16.13	17.18	18.17	19.24	20.35	21.50	22.69	
16	14.50	15.41	16.35	17.33	18.35	19.41	20.50		TOTAL COLOR	2000	1
17	15.69	16.61	17.57	18.57	19.61	20.69	21.80	21.63 22.94	22.80	$24.00 \\ 25.35$	
18	16.91	17.85	18.83	19.85	20.91	22.00	23.13	24.30	24.13 25.50	26.74	
19	18.17	19.13	20.13	21.17	22.24	23.35	24.50	25.69	26.91	28.17	
20	19.46	20.44	21.46	22.52	23.61	24.74	25.91	27.11	28.35	29.63	
-1	7-0-15 J	1000	- C. C. V.	PECAL GOA	1000	7 - 3 - 10 - 10 - 10	400 1000		Per an inter-		П
21	20.80	21.80	22.83	23.91	25.02	26.17	27.35	28.57	29.83	31.13	
23	22.17	23.19	24.24	25.33	26.46	27.63	28.83	80.07	31.35	32.67	
24	23.57	24.61	25.69	26.80	27.94	29.18	30.35	31.61	32.91	34.24	
25	25.02	26.07	27.17	28.30	29.46	30.67	31.91	33.19	34.50	35.85	
	26.50	27.57	28.69	29.83	31.02	32.24	33,50	34.80	36.13	37.50	1
26	28.02	29.11	30.24	31.41	32.61	33.85	35.13	36.44	37.80	39.19	
27	29.57	30.69	31.83	33.02	34.24	35.50	36.80	38.13	39.50	40.91	
28	31.17	32.30	33.46	34.67	35.91	37.19	38.50	39.85	41.24	42.67	
29 30	82.80	33.94	85.13	36.35	37.61	38.91	40.24	41.61	43.02	44.46	
	34.46	35.63	36.83	38.07	39.35	40.67	42.02	43.41	44.83	46.29	ı
31	36.17	37.35	38.57	39.83	41.13	42,46	43.83	45.24	46.69	48.17	
32	37.91	89.11	40.85	41.63	42.94	44,30	45,69	47.11	48.57	50.07	
33	39.69	40.91	42.17	43.46	44.80	46.17	47.57	49.02	50.50	52.02	
34 35	41.50	42.74	44.02	45.33	46,69	48.07	49.50	50.96	52.46	54.00	
	43.35	44.61	45.91	47,24	48.61	50.02	51.46	52.94	54.46	56.02	
36	45.24	46.52	47.83	49.19	50.57	52.00	53.46	54.96	56.50	58.07	
37 38	47.17	48.46	49.80	51.17	52.57	54.02	55.50	57.02	58.57	60.17	
39	49.13	50.44	51.80	53.19	54.61	56.07	57.57	59.11	60.69	62.30	
40	51.13	52.46	53.83	55.24	56,69	58.17	59.69	61.24	62.83	64.46	
	53.17	54.52	55.91	57.33	58.80	60.30	61.83	63.41	65.02	66.67	
41	55.24	56.61	58.02	59.46	60.94	62.46	64.02	65.61	67.24	68.91	
42	57.35	58.74	60.17	61.63	63.13	64.67	66,24	67.85	69.50	71.19	
43 44	59.50	60.91	62.35	63.83	65.35	66.91	68.50	70.13	71.80	73.50	
45	61.69	63.11	64.57	66.07	67.61	69.19	70.80	72.44	74.13	75.85	
- 4	63.91	65.35	66.83	68.35	69.91	71.50	73.13	74.80	76.50	78.24	К
46	66.17	67.63	69.13	70.67	72.24	73.85	75.50	77.19	78.91	80.67	
47	68.46	69.94	71.46	73.02	74.61	76.24	77.91	79.61	81.35	83.13	
48 49	70.80	72.30	73.83	75.41	77.02	78.67	80.35	82.07	83.83	85.63	
50	73.17	74.69	76.24	77.83	79.46	81.13	82.83	84.57	86.35	88.17	
00	75.57	77.11	78.69	80.30	81.94	83,63	85.35	87.11	88.91	90.74	
	1	2	3	4	5	6	7	8	9	10	ľ

Prest.	11	12	13	14	15	16	17	18	19	20	Poot
0	8.35	9.33	10.35	11.41	12.50	13.63	14.80	16.00	17.24	18.52	1
1	9.13	10.13	11.17	12.24	13.35	14.50			18.17	19.46	
2	9.94	10.96	12.02	13.11	14.24	15.41	16.61	17.85			
3	10.80	11.83	12.91	14.02	15.17	16.35	17.57	18.83	20.13	21.46	
4	11.69	12.74	13.83	14.96	16.13	17.33		19.85	21.17	22.52	
5	12.61	13.69	14.80	15.94	17.13	18.35	19.61	20.91	22.24	23.61	
6	13.57	14.67	15.80	16.96	18.17	19.41	20.69	22.00	23.35	24.74	-
7	14.57	15.69	16.83	18.02	19.24	20.50	21.80			25.91	
8	15.61	16.74	17.91	19.11	20.35	21.63	22.94	24.30			
9	16.69	17.83	19.02	20.24		22,80				28.35	
10	17.80	18.96	20.17	21.41	22.69	24.00	25.35	26.74	28.17	29.63	1
11	18.94	20.13	21.35	22.61	23.91	25.24	26.61	28.02	29.46	30.94	1
12	20.13	21.33	22.57	23.85	25.17	26.52	27.91	29.33	30.80	32.30	1
13	21.35	22.57	23.83	25.13			29.24	30.69		33.69	
14	22.61	23.85	25.13	26.44	27.80	29.19	30.61	32.07	33.57	35.11	
15	23.91	25.17	26.46	27.80	29.17	30.57	32.02	33.50	35.02	36.57	1
16	25.24	26.52	27.83	29.19	30.57	32.00	33.46	34.96	36.50	38.07	1
17	26.61	27.91	29.24	30.61	32.02	33,46	34.94	36.46		39.61	1
18	28.02	29.33	30.69	32.07		34.96	36.46			41.19	
19	29.46	30.80	32.17	33.57		36.50	38.02	39.57	41.17	42.80	
20	30.94	32.30	33.69	35.11	36.57	38.07	39.61	41.19	42.80	44.44	2
21	32.46	33.83	35,24	36.69	38.17	39.69	41.24	42.83	44.46	46.13	2
22	34.02	35.41	36.83	38,30		41.33	42.91	44.52	46.17	47.85	2
23	35.61	37.02	38.46	39.94		43.02	44.61	46.24		49.61	
24	37.24	38.67	40.13	41.63		44.74	46.35	48.00	49.69	51.41	
25	38.91	40.35	41.83	43.35	44.91	46.50	48.13	49.80	51.50	53.24	2
26	40.61	42.07	43,57	45.11	46.69	48.30	49.94	51.63	53.35	55.11	
27	42.35	43.83	45.35	46,91	48.50	50.13	51.80	53.50	55.24	57.02	
28	44.13	45.63	47.17	48.74	50.35	52.00	53.69	55.41	57.17	58.96	
29	45.94	47.46	49.02	50,61	52.24	53.91	55.61	57.35	59.13	60.94	
30	47.80	49.33	50.91	52,52	54.17	55.85	57.57	59.33	61.13	62.96	
31	49.69	51.24	52.83	54,46	56.13	57.83	59.57	61.35	63.17	65.02	
32	51.61	53.19	54.80	56.44	58.13	59.85	61.61	63.41	65.24	67.11	
33	53.57	55.17	56.80	58.46	60.17	61.91	63.69	65.50	67.35	69.24	
34	55.57	57.19	58.83	60.52	62.24	64.00	65.80	67.63	69.50	71.41	
35	57.61	59.24	60.91	62.61	64.35	66.13	67.94	69.80	71.68	73.61	
36	59.69	61.33	63.02	64.74	66.50	68.30	70.13	72.00	73.91	75.85	
37	61.80	63.46	65.17	66.91	68.69	70.50	72.35	74.24	76.17	78.13	
38	63.94	65.63	67.35	69.11	70.91	72.74	74.61	76.52	78.46	80.44	
39 40	66.13	67.83	69.57	71.35	78.17	75.02	76.91	78.83	80.80	82.80	
30	68,85	70.07	71.83	73,63	75.46	77.33	79.24	81.17	83.17	85.19	
41	70.61	72.35	74.13	75.94	77.80	79.69	81.61	83.57	85.57	87.61	
42	72.91	74.67	76.46	78.30	80.17	82.07	84.02	86.00	88.02	90.07	
48	75.24	77.02	78.83	80.69	82.57	84.50 86.96	86,46 88,94	88.46	90.50	92.57	
44	77.61	79.41	81.24	83.11	85.02 87.50	89,46	91.46	90.96 93.50	95.57	95.11 97.69	
	80.02	81.83	83.69	85.57	115 AT 305	2727 500	10000		1244 F. 3	In the Section Section	
46	82.46	84.30	86,17	88.07	90.19	92.00	94,02	96.07		100.30	
47	84.94	86.80	88.69	90.61	92.57	94.57	96.61			102.94	
48	87.47	89.88	91.24	93, 19	95.17	97.19				105.63	
50	90.02	91.91	93.88	95.80	97.80					108.35 111.11	
00	92.61	94.51	96.46	30.44	100.40	102.02	101.01	100.74	100.91		2
	11	12	13	14	15	16	17	18	19	20	1

Feet.	21	22	23	24	25	26	27	28	29	30	Feet.
0	19.83	21.19	22.57	24.00	25.46	26.96	28.50	30.07	31.69	33.33	(
1	20.80	22.17	23.57	25.02	26.50	28,02	29.57	31.17	32,80	34.46	1
2	21.80	23.19	24.61	26.07	27.57	29,11	30.69	32.30	33,94	35.63	5
3	22.83	24.24	25.69	27.17	28.69	30.24	31.83	33.46	35.13	36.83	1
4	23.91	25.88	26.80	28.30	29.83	31,41	33,02	34.67	36.35	38.07	4
5	25.02	26,46	27.94		31.02	32.61	34,24	35.91	37,61	39.35	
6	26.17	27.63	29.13	30.67	32.24	33.85	85.50	37.19	38.91	40.67	
7	27.35	28.83	30.35	31,91	33.50	85.13	36.80	38,50	40.24	42.02	1
8	28.57	30.07	31.61	33.19	34.80	36.44	38.13	39,85	41.61	43,41	1
9	29.83	31.35	32.91	34.50	36.13	37.80	39.50	41.24	43.02	44.83	1
10	31.13	32.67	34,24	35.85	37.50	39.19	40.91	42.67	44.46	46.30	
11	32.46	34.02	35.61	87.24	38.91	40.61	42,35	44.13	45.94	47.80	
12	33.89	35.41	37.02	38.67	40.35	42.07	43.83	45.63	47.46	49.33	
13	35.24	36.83	38.46	40.13	41.83	43,57	45.35	47.17	49.02	50.91	
14	36.69	38.30	39.94	41.63	43.35	45.11	46.91	48.74	50.61	52.52	
15	38.17	39.80	41.46	43.17	44.91	46,69	48.50	50.35	52,24	54.17	14
16	39.69	41.33	43.02	44.74	46.50	48.30	50.13	52.00	53.91	55.85	10
17	41.24	42.91	44.61	46.35	48.13	49.94	51.80	53.69	55.61	57.57	17
18	42.83	44.52	46.24	48.00	49.80	51.63	53,50	55.41	57.35	59.33	
19	44.46	46.17	47.91	49.69	51.50	58.35	55.24	57.17	59.13	61.13	
20	46.13	47.85	49.61	51.41	53.24	55.11	57.02	58.96	60.94	62.96	20
21	47.83	49.57	51.35	53.17	55.02	56.91	58.83	60.80	62,80	64.83	2
22	49.57	51.33	53.13	54.96	56.83	58.74	60.69	62.67	64.69	66.74	
23	51.35	53.13	54.94	56.80	58.69	60.61	62.57	64.57	66,61	68.69	2
24	58.17	54.96	56.80	58.67	60.57	62.52	64.50	66,52	68.57	70.67	
25	55.02	56.83	58.69	60.57	62.50	64.46	66.46	68,50	70.57	72.69	2
26	56.91	58.74	60.61	62.52	64.46	66.44	68.46	70.52	72.61	74.74	
72	58.83	60.69	62.57	64.50	66.46	68.46	70.50	72.57	74.69	76.83	
28	60.80	62.67	64.57	66.52	68.50	70.52	72.57	74.67	76.80	78.96	
29	62.80	64,69	66.61	68.57	70.57	72.61	74.69	76.80	78.94	81.13	
30	64.83	66.74	68.69	70.67	72.69	74.74	76.83	78.96	81.13	83.33	30
31	66.91	68.83	70.80	72.80	74.83	76.91	79.02	81.17	83.35	85.57	
32	69.02	70.96	72.94	74.96	77.02	79.11	81.24	83.41	85.61	87.85	
33	71.17	73.13	75.13	77.17	79.24	81.35	83.50	85.69	87.91	90.17	
34	73.35	75.83	77.35	79.41	81.50	83.63	85.80	88.00	90.24	92.52	100.0
35	75.57	77.57	79.61	81.69	83,80	85.94	88.13	90.85	92.61	94.91	100
36	77.83	79.85	81.91	84.00	86.13	88.30	90.50	92.74	95.02	97,33	
37	80.13	82.17	84.24	86.35	88.50		92.91	95.17	97,46	99.80	
38	82.46	84.52	86.61	88.74	90.91	93.11	95.35	97.63		102.30	
39	84.83	86.91	89.02	91.17	93.35	95.57			102.46		
40	87.24	89.33	91.46	93.63	95.83				105.02	1000	
41	89.69	91.80	93.94	96.13	98.35	100.61	102.91	105.24	107.61	110.02	41
42	92.17	94.30	96.46	98.67	100.91	103.19	105.50	107.85	110.24	112.67	42
43	94.69	96.83	99.02	101.24	103.50	105,80	108.13	110.50	112.91	115.35	41
44	97.24	99.41	101.61	103.85	106.13	108.44	110.80	113.19	110.61	118.07	4
45	99.83	102.02	104.24	106.50	108.80	111.13	113,50	115.91	118.35	120,83	4
46	102.46	104.67	106.91	109.19	111.50	113.85	116.24	118.67	121.13	123,63	40
47	105.13	107.35	109.61	111.91	114.24	116.61	119.02	121.46	123,94	126.46	4
48	107.83	110.07	112,35	114.67	117.02	119,41	121.83	124, 30	126.80	129.33	4
49	110.57	112.83	115.13	117,46	119.83	122.24	124.69	127.17	129.69	132.24	4:
50	113.35	115,63	117.94	120.30	122.69	125.11	127.57	130.07	132.61	135, 19	9
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05 P

Fort	31	32	33	34	35	36	37	38	39	40	Feet.
0	35.02	36.74	38.50	40.30	42.14	44.00	45.91	47.85	49.83	51.85	1
1	36.17	37.91	39.69	41.50	43.35	45.24	47.17	49.13	51.13	53.17	
2	37.35	39.11	40.91	42.74	44.61	46.52	48.46	50.44	52.46	54.52	5
3	38.57	40.35	42.17	44.02	45.91	47.83	49.80	51.80	53.83	55.91	1
4	39.83	41,63	43.46	45.33	47.24	49.19	51.17	53.19	55.24	57.33	1
5	41.13	42.94	44.80	46.69	48.61	50.57	52.57	54.61	56.69	58.80	1
6	42.46	44.30	46.17	48.07	50.02	52.00	54.02	56.07	58.17	60.80	1
7	43.83	45.69	47.57	49.50		53.46	55.50	57.57	59.69	61.83	
8	45.24	47.11	49.02	50.96	52.94			59.11	61.24	63.41	L
9	46.69	48.57	50.50	52.46	54.46		58.57	60.69	62.83	65.02	
10	48.17	50.07	52.02	54.00	56.02	58.07	60.17	62.30	64.46	66.67	
11	49.69	51.61	53.57	55.57	57.61	59.69	61.80	63.94	66.13	68.35	
12	51.24	53.19	55.17	57.19	59.24		63.46	65.63	67.83	70.07	
13	52.83	54.80	56.80	58.83	60.91	63.02	65.17	67.35	69.57	71.83	
14	54.46	56.44	58.46	60.52	62.61	64.74	66.91	69.11	71.35	78.68	
15	56.13	58.13	60.17	62.24	64.35		68.69	70.91	73.17	75.46	
16	57.83	59.85	61.91	64.00	66.13	68.30	70.50	72.74	75.02	L-10-10	
17	59.57	61.61	63.69	65.80	67.94		72.35	74.61	76.91	77.33 79.24	
18	61.85	63.41	65.50	67.63	69.80	72.00	74.24	76.52	78.83	81.17	
19	63.17	65.24	67.35	69.50	71.68	78.91	76.17	78.46		83.17	
20	65.02	67.11	69.24	71.41	73.61	75.85	78.13	80.44	82.80	85.19	
804	22121	1. 3.751	2000	A 100 Page 10	O. B. Levi	(2.30-27)	100 mm		11.00	Act of the last	
21	66.91	69.02	71.17	73.35	75.57	77.83	80.13	82.46	84.83	87.24	
22	68.88	70.96	73.13	75.33	77.57	79.85	82.17	84.52	86.91	89.33	
23	70.80	72.94	75.13	77.35	79.61	81.91	84.24	86.61	89.02	91.46	
24	72.80	74.96	77.17	79.41	81.69	121,399,310	86.35	88.74	91.17	93.63	
25	74.83	77.02	79.24	81.50	83.80		88.50	90.91	93.35	95.83	
26	76.91	79.11	81.35	83.63	85.94	88.30	90.69	93.11	95.57	98.07	
27	79.02	81.24	83.50	85.80	88.13		92.91	95.85		100.35	
28	81.17	83.41	85.69	88.00	90.35		95.17		100.13		
29	83.85	85.61	87.91	90.24	92.61	95.02	97.46		102.46		
30	85.57	87.85	90.17	92.52	94.91	97.33	99.80	102.30	104.83	107.41	30
31	87.83	90.13	92.46	94.83	97.24	99.69	102.17	104.69	107.24	109.83	3
32	90.13	92.44	94.80	97.19	99.61	102.07	104.57	107.11	109.69	112.30	35
33	92.46	94.80	97.17						112.17		
34	94.83	97.19							114.69		
35	97.24	99.61	102.02	104.46	106.94	109.46	112.02	114.61	117.24	119.91	3
36	99.69	102.07	104.50	106.96	109.46	112.00	114.57	117.19	119.83	122.52	3
37	102.17	104.57	107.02	109.50	112.02	114.57	117.17	119.80	122.46	125.17	3
38	104.69	107.11	109.57	112.07	114.61	117.19	119.80	122.44	125.13	127.35	3
			112.17								
40	109.83	112.30	114.80	117.33	119.91	122.52	125.17	127.85	130.57	133.33	4
41	112.46	114.94	117.46	120.02	122.61	125.24	127.91	130.61	183.35	136.13	4
			120.17								
43	117.83	120.35	122.91	125.50	128.13	130.80	133.50	136.24	139.02	141.83	4:
			125.69								
			128.50								
- 1			131.35	11 3 3 3 1 A	and the second little	200000000000000000000000000000000000000			1 1 1 1 1 1 1		
47	129.09	131 61	134.24	186.91	139 61	142 85	145 19	147 94	150 80	153 60	A
48	181.91	184.52	187.17	189.85	142.57	145.85	148.13	150.96	153.83	156.74	4
49	184.88	137.46	140.13	142.83	145.57	148 85	151 17	154 09	156 91	159 88	4
50	187.80	140.44	143.13	145.85	148.61	151.41	154.24	157.11	160.02	162.96	5
		0 400		20.00	20.0			,	-55.02		L

Post.	41	42	43	44	45	46	47	48	49	50	Post.
0	53.91	56.00	58.13	60.30	62.50		67.02	69.33	71.70	74.07	0
1	55.24	57.35	59.50	61.69			68.46	70.80	73.17	75.57	
2	56.61	58.74	60.91	63.11	65.35			72.30	74.69	77.11	
8 4	58.02 59.46	60.17 61.63	62.35 63.83	64.57 66.07	66.83 68.35		71.46 73.02	73.83 75.41	76.24 77.83	78.69 80.30	
5	60.94	63.18	65.35	67.61	69.91		74.61	77.02	79.46	81.94	
6	62.46	64.67	66.91	69.19	71.50	1	76.24	78.67	81.13	83.63	6
7	64.02	66.24	68.50	70.80	73.13		77.91	80.35	82.83	85.85	
8	65.61	67.85	70.13	72.44	74.80		79.61	82.07	84.57	87.11	1
9	67.24	69.50	71.80	74.13	76.50		81.85	83.83	86.35	88.91	٤
10	68.91	71.19	73.50	75.85	78.24	80.67	83.13	85.63	88.17	90.74	10
11	70.61	72.91	75.24	77.61	80.02		84.94	87.47	90.02	92.61	
12	72.35	74.67	77.02	79.41	81.83		86.80	89.33	91.91	94.51	
18 14	74.13 75.94	76.46 78.30	78.83 80.69	81.24 83.11	83.69 85.57		88.69 90.61	91.24 93.19	93.83 95.80	96.46 98.44	
15	77.80	80.17	82.57	85.02	87.50		92.57	95.17		100.46	
16	79.69	82.07	84.50	86.96	89.46		94.57	97.19		102.52	•
17	81.61	84.02	86.46	88.94	91.46					104.61	
18	83.57	86.00	88.46	90.96	93.50			101.33			
19	85.57	88.02	90.50	93.02	95.57	98.17	100.80				
20	87.61	90.07	92.57	95.11	97.69	100.30	102.94	105.63	108.35	111.11	20
21	89.69	92.17	94.69	97.24		102.46					
22	91.80	94.80				104.67					
23	98.94					106.91					
24 25	96.13					109.19 111.50					
	1			i l		113.85					
						116.24					
						118.67					
						121.13					
30	110.02	112.67	115.35	118.07	120.83	123.63	126.46	129.83	132.24	135.19	8
						126.17					
						128.74					
						131.35					
						134.00 136.69					
				1		139.41	l		i	1	1
						142.17					
						144.96					
						147.80					
			í	1	1	150.67					
						153.57					
						156.52					
						159.50 162.52					
						165.57					
1 1	1	i i		l	i .	168.67	l .			1	1
						171.80					
						174.96					
49	162.80	165.80	168.83	171.91	175.02	178.17	181.35	184.57	187.83	191.31	4
50	165.94	168.96	172.02	175.11	178.24	181.41	184.61	187.85	191.18	194.44	5
	41	42	43	44	45	46	47	48	49	50	



Fret	1	2	3	4	5	6	7	8	9	10	Post.
0	0.58	1.21	1.89	2.62	3.40	4.22	5.10	6.02	7.00	8.02	
1	1.18	1.84	2.54	3.30	4.10	4.95	5.85	6.80	7.80	8.85	
2	1.84	2.52	3,25	4.02	4.85	5.73	6,65	7.63	8.65	9.73	1
3	2.54	3.25	4.00	4.80	5.65	6,55	7.51	8.51	9.55	10.65	1
4	3.30	4.02	4.80	5.63	6.51	7.43	8.41	9.43	10.51	11.63	1
5	4.10	4.85	5.65	6.51	7.41	8.36	9.36	10.41	11.51	12.65	1
6	4.95	5.73	6.55	7.43	8.36	9.88	10.36	11.43	12.55	13.78	1
7	5.85	6.65	7.51	8.41	9.36	10.36	11.41	12.51	13.65	14.85	
8	6.80	7.63	8.51	9.43	10.41	11,43	12.51	13.63	14.80	16.02	1
9	7.80	8.65	9.55	10.51	11.51	12.55	13.65	14.80	16.00	17.25	
10	8.85	9.73	10.65	11.63	12.65	13.78	14.85	16.02	17.25	18.52	
11	9.95	10.85	11.80	12.80	13.85	14.95	16.10	17.29	18.54	19.84	
	11.10	Control of the last	13.00	14.02	15.10	16.22	17.39	18.62	19.89	21.21	
12 13	12.30	$12.02 \\ 13.25$	14.25	15.30	16.40	17.54	18.74	19.99	21.28	22.63	
14	13.54	14.52	15.54	16.62	17.74	18.91	20.13	21.41	22.73	24.10	
15	14.84	15.84	16.89	17.99	19.13	20.33	21.58	22.88	24.22	25.62	
1	200	18 THE 1	in the latest	and the second		A PERSON AT	33.00		177000000	No. 250 70	
16	16.18	17.21	18.28	19.41	20.58	21.80	23.07	24.39	25.76	27.18	
17	17.58	18.63	19.78	20.88	22.07	23.32	24.62	25.96	27.36	28.80	
18	19.02	20.10	21.22	22.39	23,62	24.89	26.21	27.58	29.00	30.47	
19	20.52	21.62	22.76	23.96	25: 21	26,51	27.85	29.25	30.69	32.18	
20	22.06	23.18	24.36	25.58	26.85	28.17	29.54	80.96	32.43	33.95	
21	23.65	24.80	26.00	27.25	28.54	29.89	31.28	32.73	34.22	35.76	
22	25.30	26.47	27.69	28,96	30.28	31.65	33.07	34.54	36.06	37.62	
23	26.99	28.18	29,43	30.73	32.07	33.47	34.91	36.41	37.95	39.54	
24	28.73	29.95	31, 22	32.54	33.91	35.33	36.80	38.32	39.89	41.51	
25	30.52	31.76	33,06	34,41	35.80	37.25	38.74	40.28	41.88	43.52	2
26	32.36	33.63	34.95	36.32	87.74	39.21	40.73	42.30	43.91	45.58	20
27	34.25	35.54	36.89	38.28	39.73	41.22	42.76	44.36	46.00	47.69	2
28	36.18	37.51	38.88	40.30	41.76	43,28	44.85	46.47	48.13	49.85	28
29	38.17	39.52	40.91	42.36	43.85	45.39	46.99	48.63	50.32	52.06	25
30	40.21	41.58	43.00	44.47	45.99	47.55	49.17	50.84	52.55	54.32	30
31	42.30	43.69	45.13	46.63	48.17	49.76	51.41	53.10	54.84	56.63	3
32	44.43	45.85	47.32	48.84	50.41	52.02	53.69	55.41	57.17	58.99	
33	46.62	48.06	49.55	51.10	52.69	54.33	56.02	57.76	59.55	61.39	
34	48.85	50.32	51.84	53.41	55.02	56.69	58.41	60.17	61.99	63,85	
35	51.13	52.63	54.17	55.76	57.41	59.10	60.84	62.63	64.47	66.36	
36	53.47	54,99	56.55	58.17	59.84	61.55	63.32	65.13	67.00	68.91	3
37	55.85	57.39	58.99	60.63	62.32	64.06	65.85	67.69		71.52	
38	58.28	59.85	61.47	63.13	64.85	66.62	68.43	70.30	72.21	74.17	
39	60.76	62.36	64.00	65.69	67.43	69.22	71.06	72.95	74.89	76.88	
40	63.30	64.91	66,58	68.29	70.06	71.88	73.74	75.65	77.62	79.63	
	A	200	69.21	70.95	72.74	100000000000000000000000000000000000000	The second	78.41	80.40	82.43	
41	65.88	67.52				74.58	76.47			85.28	
42	68.51	70.17	71.89	78.65	75.47	77.33	79.25	81,21 84,06	83, 22 86, 10	88.18	
43	71.18	72.88	74.62		78.25	80.14	82.07	86.96	89.02	91.14	
44	78.91	75.63	77.39 80.22	79.21	81.07	82.99	84.95	89.91	92.00	94.14	
	76.69	78.43	200	82.06	83.95	85.89	87.88	COLUMN	20.00	11.74	1:
46	79.52	81.28	83.10	84.96	86.88	88.84	90.85	92.91	95.02	97.18	1
47	82.39	84.19	86.02	87.91	89.85	91.84	93.88	95.96		100.28	
48	85.32	87.14	89.00	90.91	92.88	94.89	96.95		101.22		
49	88.30	90.14	92.02	93.96	95.95				104.40		
50	91.32	93.19	95.10	97.06	99.07	101.14	103.25	105.41	107.62	109.88	9
	1	2	3	4	5	6	7	8	9	10	

Feet.	11	12	13	14	15	16	17	18	19	20	Feet.
0	9.10	10.22	11.40	12.62	13.89	15.21	16.58	18.00	19.47	20.99	0
1	9.95	11.10	12.30	13.54	14.84	16.18	17.58	19,02	20.52	22.06	1
2	10.85	12.02	13.25	14.52	15.84	17.21	18.63	20.10	21.62	23.18	2
3	11.80	13.00	14.25	15.54	16.89	18.28	19.73	21.22	22.76	24.36	3
4	12.80	14.02	15.30	16.62	17.99	19.41	20.88	22.39	23.96	25.58	4
5	13.85	15.10	16.40	17.74	19.13	20.58	22.07	23,62	25.21	26,85	5
1	100 mm m m	1.450 (1.85)	N 12/20/2007		20.33	21.80	23.32	24.89	26.51	28.17	6
6	14.95	16.22	17.54	18.91			24.62	26.21	27.85	29.54	7
7	16.10	17.39	18.74	20.13	21.58 22.88	23.07 24.39	25.96	27.58	29.25	30.96	8
8	17.29	18.62	19.99	21.41		25.76	27.36	29.00	30.69	32.43	9
9	18.54	19.89	21.28	22.78	24.22			30.47	32.18	33.95	
10	19.84	21.21	22.63	24.10	25.62	27.18	28.80	200000		1000000	100
11	21.18	22.58	24.02	25.52	27.06	28.65	30.30	31.99	33.73	85.52	
12	22.58	24.00	25.47	26.99	28.55	30.17	31.84	33.55	35.32	37.13	
13	24.02	25.47	26.96	28.51	30.10	31,74	33,43	35.17	36.96	38.80	
14	25.52	26.99	28.51	30.07	31.69	33,36	35,07	36.84	38.65	40.52	
15	27.06	28.55	30.10	31.69	33,33	35.02	36.76	38.55	40.39	42.28	15
16	28.65	30.17	31.74	33.36	35.02	36.74	38.51	40.32	42.18	44.10	16
17	30.30	31.84	33.48	35.07	36.76	38.51	40.30	42.13	44.02	45.96	
18	31.99	88.55	35.17	36.84	38.55	40.32	42.13	44.00	45.91	47.88	
19	33.73	35.32	36.96	38.65	40.39	42.18	44.02	45.91	47.85	49.84	
20	35.52	37.13	38.80	40.52	42,28	44.10	45.96	47.88	49.84	51.85	
		100	200		1000000	100000-	700 700	C 25			1.1
21	87.36	39.00	40.69	42.43	44.22	46.06	47.95	49.89	51.88	53.91	
22	39.25	40.91	42.63	44,39	46.21	48.07	49.99	51.95	53.96	56.02	
23	41.18	42.88	44.62	46.41	48.25	50.13	52.07	54.06	56.10	58.18	
24	43.17	44.89	46.65	48.47	50.33	52.25	54.21	56.22	58.28	60.39	
25	45.21	46.95	48.74	50.58	52.47	54.41	56.39	58.43	60.52	62.65	10.0
26	47.30	49.06	50.88	52.74	54.65	56.62	58.63	60,69	62.80	64.96	26
27	49.43	51.22	53.06	54.95	56.89	58.87	60.91	63.00	65.13	67.32	27
28	51.62	53.43	55.30	57.21	59.17	61,18	63.25	65.36	67.52	69.73	28
29	53.85	55.69	57.58	59.52	61.51	63.54	65.63	67.76	69.95	72.18	29
30	56.13	58.00	59.91	61,88	63.89	65.95	68.06	70.22	72,43	74.69	30
31	58.47	60.36	62.30	64.28	66.32	68.41	70.54	72.73	74.96	77.25	31
32	60.85	62.76	64.73	66.74	68.80	70.91	73.07	75.28	77.54	79.85	
33	63.28	65.22	67.21	69.25	71.33	73.47	75.65	77.89	80.17	82.51	
34	65.76	67.78	69.74	71.80	73.91	76.07	78.28	80.54	82.85	85.21	
35	68.30	70.28	72.32	74.41	76.54	I DOC SELECT	80.96	83.25	85.58	87.96	
3.31	1000000	. 75 2000	3500000		1000	and the state of	THE PARTY	1000		State Control	100
36	70.88	72.89	74.95	77.06	79.22	81.43	83.69	86.00	88.36	90.76	-
37	73.51	75.54	77.63	79.76	81.95	84.18	86.47	88.80	91.18	93.62	
38	76.18	78.25	80.36	82.52	84.73	86.99	89.30	91.65	94.06	12,50	
39	78.91	81.00	83.13	85.32	87.55	89.84	92.17	94.55	96.99		
40	81.69	83,80	85.96	88.17	90,43	92.74	95.10	97.51	2 4 4 5 1 1 1	102.47	6.3
41	84.52	86.65	88.84	91.07	93.36					106.52	
42	87.39	89.55	91.76	94.02	96.33		101.10				
43	90.32	92.51	94.74	97.02			104.17				
44	93.29	95.51					107.30				
45	96.32	98.55	100.84	103.17	105.55	108.99	110.47	113.00	115.58	118.21	45
46	99.39	101.65	103.96	106.32	109.73	111.18	113.69	116.25	118.85	121.51	46
							116.96				
							120.28				
							123.65				
50	112.18	114.54	116.95	119.41	121.91	124.47	127.07	129.73	132.43	135.18	50
-			210,00			2000	071.31	30,70	3 324 2	200.00	
			100								

TABLE XXIL-BASE 30.-SLOPES 2 to 1.

F. 86.	21	22	23	24	25	26	27	28	29	30	Poof.
0	22.56	24.17	25.84	27.56	29.32	31,14	33.00	34.91	36.88	38.89	7
1	23.65	25.30	26.9 9	28.73	30.52	32.36	34.25	36.18	38.17	40.21	1
2	24.80	26.47	28.18	29.95	31.76	83.63	85.54	87.51	39.52	41.58	1
8 4	26.00	27.69 28.96	29.43 30.73	$81.22 \\ 32.54$	33.06 34.41	34.95 36.32	36.89 38.28	88.88 40.30	40.91 42.36	48.00	1
5	27.25 28.54	30.28	32.07	33.91	85.80	37.74	39.73	41.76	48.85	44.47 45.99	1
6	29.89	31.65	33.47	85.38	37.25	39.21	41.22	43.28	45.89	47.55	Ì
7	31.28	33.07	34.91	36.80	38.74	40.78	42.76	44.85	46.99	49.17	1 3
8	32.73	34.54	36.41	38.32	40.28	42.30	44.36	46.47	48.63	50.84	٤
9	34.22	36.06	87.95	89.89	41.88	43.91	46.00	48.18	50.32	52.55	. 5
10	35.76	37.62	39.54	41.51	43.52	45.58	47.69	49.85	52.06	54.82	1
$\frac{11}{12}$	37.36	39.25 40.91	41.18 42.88	43.17 44.89	45.21 46.95	47.80 49.06	49.48 51.22	51.62 53.43	53.85 55.69	56.13 58.00	
13	89.00 40.69	42.63	44.62	46.65	48.74	50.88	58.06	55.80	57.58	59.91	
14	42.43	44.39	46.41	48.47	50.58	52.74	54.95	57.21	59.52	61.88	
15	44.22	46.21	48.25	50.83	52.47	54.65	56.89	59.17	61.51	68.89	18
16	46.06	48.07	50.18	52.25	54.41	56.62	58.87	61.18	68.54	65.95	
17	47.95	49.99	52.07	54.21	56.39	58.63	60.91	68.25	65.68	68.06	
18 19	49.89 51.88	51.95 53.96	54.06 56.10	56.22 58.28	58.43 60.52	60.69 62.80	63.00 65.13	65.86 67.52	67.76 69.95	70.22 72.43	
20	58.91	56.02	58.18	60.39	62.65	64.96	67.32	69.73	72.18	74.69	
21	56.00	58.13	60.32	62.55	64.84	67.17	69.55	71.99	74.47	77.00	
22	58.13	60.30	62.51	64.76	67.07	69.43	71.84	74.30	76.80	79.36	
23	60.82	62.51	64.74	67.02	69.36	71.74	74.17	76.65	79.18	81.76	
24	62.55	64.76	67.02	69.88	71.69	74.10	76.55	79.06	81.62	84.22	
25	64.84	67.07	69.36	71.69	74.07	76.51	78.99	81.52	84.10	86.78	ŀ
26 27	67.17 69.55	69.48 71.84	71.74 74.17	74.10 76.55	76.51 78.99	78.96 81.47	81.47 84.00	84.02 86.58	86.63 89.21	89.28 91.89	
28	71.99	74.30	76.65	79.06	81.52	84.02	86.58	89.18	91.84	94.54	
29	74.47	76.80	79.18	81.62	84.10	86.63	89.21	91.84	94.52	97.25	
80	77.00	79.86	81.76	84.22	86.73	89.28	91.89	94.54	97.25	100.00	80
81	79.58	81.96	84.39	86.88	89.41	91.99	94.62		100.02		
82	82.21	84.62	87.07	89.58	92.18	94.74		100.10			
88 84	84.89 87.62	87.32 90.07	89.80 92.58	92.88 95.13	94.91 97.74		100.22 108.10				
85	90.40	92.88	95.41				106.02				
86	93.22	95,78	98.28	100.89	103.54	106.25	109.00	111.80	114.65	117.55	80
87	96.10	98.63	101.21	103.84	106.52	109.25	112.02	114.85	117.78	120.65	37
88							115.10				
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							124.62 127.89				
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44	117.62	120.32	123.07	125.88	128.73	131.68	134.58	137.58	140.63	143.78	4
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Peet	31	32	33	34	35	36	37	38	39	40	Past
0	40.95	43.06	45.22	47.43	49.69	52.00	54.86	56.77	59.22	61.78	-
1	42.30	44.43	46.62	48.85	51.13	53.47	55.85	58.28	60.76	63.30	
2	43.69	45.85	48.06	50.32	52.63	54.99	57.39	59.85	62.36	64.91	1
3	45.13	47.82	49.55	51.84	54.17	56.55	58.99	61.47	64.00	66.58	
4	46.63	48.84	51.10	53.41	55.76	58.17	60.63	63.13	65.69	68.29	
5	48.17	50.41	52.69	55.02	57.41	59.84	62.32	64.85	67.48	70.06	
6	49.76	52.02	54.33	56.69	59.10	61.55	64.06	1000	300	1000000000	1
7	51.40	53.69	56.02	58.41	60.84	63.32	65.85	66.62	69.22	71.88	
8	53.10	55.41	57.76	60.17	62.63	65.13	67.69	68.43 70.30	71.06	73.74	
9	54.84	57.17	59.55	61.99	64.47	67.00	69.58	72.21	74.89	75.65	
10	56.63	58.99	61.39	63.85	66.36	68.91	71.52	74.17			
00	190.00	10000		8 8 77	40 T MED 1	125 5 317		2000	76.88	79.63	1
11	58.47	60.85	63.28	65.76	68.30	70.88	73.51	76.18	78.91	81.69	
12	60.36	62.76	65.22	67.73	70.28	72.89	75.54	78.25	81.00	83.80	
13	62.30	64.73	67.21	69.74	72.32	74.95	77.63	80.36	83.13	85.96	
14	64.28	66.74	69.25	71.80	74.41	77.06	79.76	82.52	85.32	88.17	
15	66.32	68.80	71.33	73.91	76.54	79.22	81.95	84.73	87.55	90.43	1
16	68.41	70.91	73.47	76.07	78.73	81,43	84.18	86.99	89.84	92.74	1
17	70.54	73.07	75.65	78.28	80.96	83.69	86.47	89.30	92.17	95.10	1
18	72.73	75.28	77.89	80.54	83.25	86.00	88.80	91.65	94.55	97.51	1
19	74.96	77.54	80.17	82.85	85.58	88.36	91.18	94.06	96.99	99.96	1
20	77.25	79.85	82.51	85.21	87.96	90.76	93.62	96.52	99.47	102.47	2
21	79.58	82.21	84.89	87.62	90.40	93.22	96.10	99.02	102.00	105.02	9
22	81.96	84.62	87.32	90.07	92.88	1 2 2 4 2 2		101.58			
23	84.39	87.07	89.80	92.58				103.18			
24	86.88	89.58	92.33	95.13		100.89					
25	89.41	92.13	94.91			103.54					
26		94.74	PART OF THE			106.25					
27	91.99 94.62					109.00					
28		100.10									
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		123.51									
37	123.63	126.65	129.73	132.85	136.02	139.25	142.52	145.84	149.21	152.63	3
38	126.80	129.85	132.95	136.10	139.30	142.54	145.84	149.18	152.58	156.02	3
39	130.02	133.10	136.22	139.39	142.62	145.89	149.21	152.58	156.00	159.47	3
10	133.30	136.39	139.54	142.74	145.99	149,28	152.63	156.02	159.47	163.96	4
11	136.62	139.74	142.91	146.13	149.41	152.73	156.10	159.52	163.99	166.51	4
		143.13									
		146.58									
14	146.88	150.07	153.32	156.62	159.96	163.36	166.80	170.30	173.84	177.48	4
45	150.39	153.62	156.89	160.21	163.58	167.00	170.47	173.99	177.55	181.17	4
2.1		157.21		The second second	Contract Contract	Later Carl				W. L. DE CO.	1.
		160.85									
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		168.28									
		172.07									
			42.2								_
	31	32	33	34	35	36	37	38	39	40	П

Post.	41	42	43	44	45	46	47	48	49	50	Poot.
0	64.28	66.89	69.54	72.25	75.00	77.80	80.65	83.55	86.51	89.49	1
1	65.88	The second secon	71.18	The state of the state of	76.69		82.39	85.32	88.30		
2	67.52	70.17	72.88	75.63			84.19	87.14			
3	69.21	71.89	74.62	77.39	80.22	83.10	86.02	89.00	92.02	95.10	
4	70.95	73.65	76.41	79.21	82.06	84.96	87.91	90.91	93.96	97.06	
5	72.74	75.47	78.25	81.07	83.95	86.88	89.85	92.88	95.95	99.07	1
6	74.58	77.33	80.14	82.99	85.89	88.84	91.84	94.89	97.99	101.14	
7	76.47	79.25	82.07	84.95	87.88	10000	93.88			103.25	1
8	78.41	81.21	84.06		89.91	92.91	10.517270.0500			105.41	
9	80.40	83.22	86.10		92.00					107.62	
10	82.43	85.28	88.18		94.14					109.88	
11	84.52	87.40	90.32	93.30	1000000	1000		000000000000000000000000000000000000000	20,000	112.18	г.
12	86.65		92.51	95.51						114.54	
13	88.84									116.95	
14	91.07	94.02								119.41	
15		The second second								121.91	
90	J-91 N 344	P. Schiller, P.	100 100	4 8 TO 114	1000 miles	100 100 100 100	Acres of the second	1000	the state of the state of	145.05.5	1
16										124.47	
17										127.07	
										129.73	
										132.43	
0.0				The second second	0.03	CO. T. S. S.		1000000	1000000	135,18	1
										137.99	
										140.84	
										143.74	
										146.69	
25	118.91	122.13	125.41	128.73	132.10	135.52	138.99	142.51	146.07	149.69	2
26	121.74	124.99	128.28	131.63	135.02	138.47	141.96	145.51	149.10	152.74	2
										155.84	
										158.99	
										162.18	
										165.43	
21	136 62	139 99	143 41	146.88	150.39	153.96	157 58	161 25	164 96	168.73	3
										172.07	
										175.47	
										178.91	
										182.41	
	7	23.7.23.		GC 7 1-93		Sec. 28.0		8 7 7 7 7 7	Carlotte Contract	77.75	
										185.95	
										189.54	
										193.18 196.88	
										200.62	
11	STATE OF STATE	Survey	Section 1	1.00		100 m 3 m 3 m	H. S. C. S. S. S. S.	the larger of the Al-	10 (C) (C) (C) (C)	1 - 5 - 5 - 5 - 5	1
										204.41	
										208.25	
										212.14	
										216.07	
15	184.84	188.55	192.32	196.14	200.00	208.91	207.88	211.89	215.95	220.06	4
46	188,65	192,40	196, 18	200.02	203.91	207.85	211.84	215.88	219.96	224.10	4
										228.19	
48	196.43	200.22	204.06	207.95	211.89	215.88	219.91	224.00	228.14	232.32	4
										236.49	
50	204.41	208.25	212, 14	216,07	220.06	224.10	228.19	232.32	236.51	240.70	5
								A 10 TO 10 TO 10			1
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TABLE XXIII.—BASE 30.—SLOPES $2\frac{1}{2}$ to 1.

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 14 15 16 17 18 18 19 19 19 19 19 19 19 19 19 19 19 19 19	0.59 1.20 1.88 2.62 3.43 4.29 5.22 6.20 7.25 8.36 9.54 10.77 12.07 12.07 13.43 14.85 16.33 17.87 19.48 21.14	1. 23 1. 88 2. 59 3. 36 4. 20 5. 09 6. 05 7. 07 8. 15 9. 29 10. 49 11. 76 13. 09 14. 48 15. 93 17. 44	1.94 2.62 3.36 4.16 5.03 5.96 6.94 7.99 9.10 10.28 11.51 12.81 14.17 15.59	2.72 3.43 4.20 5.03 5.93 6.88 7.90 8.98 10.12 11.33 12.59	3.55 4.29 5.09 5.96 6.88 7.87 8.92 10.03 11.20 12.44 13.78	4.44 5.22 6.05 6.94 7.90 8.92 10.00 11.14 12.35 13.61	5.40 6.20 7.07 7.99 8.98 10.03 11.14 12.31 13.55	6.42 7.25 8.15 9.10 10.12 11.20 12.35 13.55	13,61 14,85	8, 64 9, 54 10, 49 11, 51 12, 59 13, 73 14, 93 16, 20	2 3 4 5
2 3 4 5 6 7 8 9 10 11 12 13 14 14 15 16 17 18 19 20 20 20 20 20 20 20 20 20 20 20 20 20	1.20 1.88 2.62 3.43 4.29 5.22 6.20 7.25 8.36 9.54 10.77 12.07 13.48 14.85 16.33 17.87	1. 88 2. 59 3. 36 4. 20 5. 09 6. 05 7. 07 8. 15 9. 29 10. 49 11. 76 13. 09 14. 48 15. 93 17. 44	3, 36 4, 16 5, 03 5, 96 6, 94 7, 99 9, 10 10, 28 11, 51 12, 81 14, 17 15, 59	4.20 5.03 5.93 6.88 7.90 8.98 10.12 11.33 12.59	5.09 5.96 6.88 7.87 8.92 10.03 11.20 12.44	6,05 6,94 7,90 8,92 10,00 11,14 12,35	7.07 7.99 8.98 10.03 11.14 12.31	7.25 8.15 9.10 10.12 11.20 12.35 13.55	8.36 9.29 10.28 11.33 12.44 13,61 14.85	9.54 10.49 11.51 12.59 13.73 14.93	1 2 3 4 5
3 4 5 6 7 8 9 10 11 12 13 14 14 15 16 17 18 19 20 20 20 20 20 20 20 20 20 20 20 20 20	2.62 3.43 4.29 5.22 6.20 7.25 8.36 9.54 10.77 12.07 13.43 14.85 16.33 17.87 19.48	3.36 4.20 5.09 6.05 7.07 8.15 9.29 10.49 11.76 13.09 14.48 15.93 17.44	4.16 5.03 5.96 6.94 7.99 9.10 10.28 11.51 12.81 14.17 15.59	5.03 5.93 6.88 7.90 8.98 10.12 11.33 12.59	5.96 6.88 7.87 8.92 10.03 11.20 12.44	6.94 7.90 8.92 10.00 11.14 12.35	7.99 8.98 10.03 11.14 12.31	9.10 10.12 11.20 12.35 13.55	10.28 11.33 12.44 13.61 14.85	11.51 12.59 13.73 14.93	4 4
4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 20 20 21	3.43 4.29 5.22 6.20 7.25 8.36 9.54 10.77 12.07 13.43 14.85 16.33 17.87	4.20 5.09 6.05 7.07 8.15 9.29 10.49 11.76 13.09 14.48 15.93 17.44	5.03 5.96 6.94 7.99 9.10 10.28 11.51 12.81 14.17 15.59	5.93 6.88 7.90 8.98 10.12 11.33 12.59 13.92	6.88 7.87 8.92 10.03 11.20 12.44	7.90 8.92 10.00 11.14 12.35	8,98 10,03 11,14 12,31	10.12 11.20 12.35 13.55	11.33 12.44 13,61 14.85	12.59 13.73 14.93	4
4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 20 20 21	3.43 4.29 5.22 6.20 7.25 8.36 9.54 10.77 12.07 13.43 14.85 16.33 17.87	4.20 5.09 6.05 7.07 8.15 9.29 10.49 11.76 13.09 14.48 15.93 17.44	5.03 5.96 6.94 7.99 9.10 10.28 11.51 12.81 14.17 15.59	5.93 6.88 7.90 8.98 10.12 11.33 12.59 13.92	6.88 7.87 8.92 10.03 11.20 12.44	8,92 10,00 11,14 12,35	8,98 10,03 11,14 12,31	10.12 11.20 12.35 13.55	11.33 12.44 13,61 14.85	12.59 13.73 14.93	4
5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20	4.29 5.22 6.20 7.25 8.36 9.54 10.77 12.07 13.43 14.85 16.33 17.87	5.09 6.05 7.07 8.15 9.29 10.49 11.76 13.09 14.48 15.93 17.44	5.96 6.94 7.99 9.10 10.28 11.51 12.81 14.17 15.59	6.88 7.90 8.98 10.12 11.33 12.59	7.87 8.92 10.03 11.20 12.44	8,92 10,00 11,14 12,35	10.03 11.14 12.31	11.20 12.35 13.55	12,44 13,61 14,85	13.78 14.93	1
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21	6.20 7.25 8.36 9.54 10.77 12.07 13.43 14.85 16.33 17.87 19.48	7.07 8.15 9.29 10.49 11.76 13.09 14.48 15.93 17.44	7.99 9.10 10.28 11.51 12.81 14.17 15.59	8.98 10.12 11.33 12.59 13.92	10.03 11.20 12.44	$11.14 \\ 12.35$	12,31	13.55	14.85		6
8 9 10 11 12 13 14 15 16 17 18 19 20 21	7.25 8.36 9.54 10.77 12.07 13.43 14.85 16.33 17.87 19.48	8.15 9.29 10.49 11.76 13.09 14.48 15.93 17.44	9.10 10.28 11.51 12.81 14.17 15.59	10.12 11.33 12.59 13.92	11.20 12.44	12.35				16.20	1 4
9 10 11 12 13 14 15 16 17 18 19 20 21	8.36 9.54 10.77 12.07 13.43 14.85 16.33 17.87 19.48	9.29 10.49 11.76 13.09 14.48 15.93 17.44	10,28 11,51 12,81 14,17 15,59	11.33 12.59 13.92	12.44		13,55	11 01	4.00		17
10 11 12 13 14 15 16 17 18 19 20 21	9.54 10.77 12.07 13.43 14.85 16.33 17.87 19.48	10.49 11.76 13.09 14.48 15.93 17.44	11.51 12.81 14.17 15.59	12.59 13.92		13 61		14.81	16.14	17.53	
11 12 13 14 15 16 17 18 19 20 21	10.77 12.07 13.43 14.85 16.33 17.87 19.48	11.76 13.09 14.48 15.93 17.44	12.81 14.17 15.59	13.92	13,78	10.01	14.85	16.14	17.50	18.92	5
12 13 14 15 16 17 18 19 20 21	12.07 13.43 14.85 16.33 17.87 19.48	13.09 14.48 15.93 17.44	$14.17 \\ 15.59$			14.93	16,20	17.53	18.92	20.37	10
13 14 15 16 17 18 19 20 21	13.43 14.85 16.33 17.87 19.48	14.48 15.93 17.44	15.59		15.09	16.33	17.62	18.98	20,40	21.88	11
14 15 16 17 18 19 20 21	14.85 16.33 17.87 19.48	15.93 17.44		15.31	16.51	17.78	19.10	20.49	21.94	23.46	15
14 15 16 17 18 19 20 21	14.85 16.33 17.87 19.48	15.93 17.44	17 07	16.76	17.99	19.29	20.65	22.07	23.55	25.09	13
16 17 18 19 20	17.87 19.48	THE STATE OF	17.07	18.27	19.54	20.86	22.25	23.70	25.22	26.79	14
17 18 19 20 21	19.48	F	18.61	19.85	21.14	22.50	23.92	25.40	26.94	28.55	
18 19 20 21		19.01	20.22	21.48	22.81	24.20	25.65	27.16	28.73	30.37	16
19 20 21	21.14	20.65	21.88	23.18	24.54	25.96	27.44	28.98	30.59	32.25	17
19 20 21		22.35	23.61	24.94	26.33	27.78	29.29	30.86			
20	22.87	24.10	25.40	26.76	28.18	29.66		32.81	34.48		
	24.66		27.25	28.64	30.09	31.60		34.81			
22	26.51	27.81	29.17	30.59	32.07	33.61	35.22	36.88	38.61	40.40	21
	28.43	29.75	31.14	82.59	34.10	35.68	37.31	39.01		The second second	
23	30.40	31.76	33.18	34.66	36.20	37.81	39.48			44.85	
24	32.44	33.83	35.28	36.79	38.36	40.00	41.70	43.46		47.16	
25	34.54		37.44	38.98	40.59	42.25	43.98	45.77	47.62	49.54	
26	36.70	38.15	39.66	41.23	42.87	44.57	46.33	48.15	50.03	51.98	26
27	38.92	40.40	41.94	43.55	45.22	46.94	48.73	50.59	52.50	54.48	
28	41.20	42.72	44.29	45.93	47.62	49.38	51.20	53.09			
29	43.55	45.09	46.70	48.36	50.09	51.88	58.78	55.65			
30	45.96		49.17	50.86	52.62	54.44	56.88	58.27	60.28	62.85	
31	48.43	50.08	51.70	53.43	55.22	57.07	58.98	60.96	62.99	65.09	31
32	50.96	52.59	54.29	56.05	57.87	59.75	61.70	63.70	65.77	67.90	35
33	58.55	55.22	56.94	58.73	60.59	62.50		66.51	68.61	70.77	38
34	56.20	57.90	59.66	61.48	63.36	65.31	67.31	69.38	71.51	73.70	34
35	58.92	60.65	62.44	64.29	66.20	68.18	70.22	72.31	74.48	76.70	3
36	61.70	63.46	65,28	67.16	69.10	71.11	73.18	75.31	77.50	79.75	36
37	64.54	66.33	68.18	70.09	72.07	74.10	76.20	78.36	80.59	82.87	37
38	67.44	69.26	71.14	73.09	75.09	77.16	79.29	81.48	83.73	86.05	38
39	70.40	72.25	74.17	76.14	78.18	80.28	82.44	84.66	86.94	89,29	39
40	73.43	75.31	77.25	79.26	81.33	83.46	85.65	87.90	90.22	92.59	40
41	76.51	78.43	80.40	82.44	84.54	86.70	88.92	91.20	93,55	95.96	41
42	79.66	81.60	83.61	85.68	87.81	90.00	92.25	94.57	96.94	99.38	45
43	82.87	84.85	86.88	88.98	91.14	93.36	95.65	97.99	100.40		
44	86.14	88,15	90.22	92.35	94.54	96.79			103.92		
45	89.48	91.51	93.61	95.77	97.99	100.28	102,62	105.03	107.50	110.03	45
16	92.87	94.94	97.07	99.26	101.51	103.83	106.20	108.64	111.14	113.70	46
47	96.33	98.43	100.59	102.81	105.09	107.44	109.85	112,31	114.85	117.44	47
48		101.98									
49		105.59									
		109.26									
+		-		100		1000	1000 1000				

Peet.	11	12	13	14	15	16	17	18	19	20	Feet.
0	9.85	11.11	12.44	13.83	15.28	16.79	18.36	20.00	21.70	23.46	0
1	10.77	12.07	13.43	14.85	16.33	17.87	19.48	21.14	22.87	24.66	1
2	11.76	13.09	14.48	15.93	17.44	19.01	20.65	22.35	24.10	25.93	
3	12.81	14.17	15.59	17.07		20.22	21.88	23.61	25.40	27.25	3
4	13.92	15.31	16.76	18.27	19.85	21.48	23.18	24.94	26.76	28.64	
5	15.09	16.51	17.99	19.54	21.14	22.81	24.54	26.33	28.18	30.09	
6	16.33	17.78	19.29	20.86	22,50	24.20	25.96	27.78	29.66	31.60	6
7	17.62	19.10	20.65	22.25	23.92	25.65	27.44	29.29	31.20	33.18	7
8	18.98	20.49	22.07	23.70	25.40	27.16	28.98	30.86	32.81	34.81	8
9	20.40	21.94	23.55	25.22	26.94	28.73	30.59	32.50	34.48	36,51	9
10	21.88	23.46	25.09	26.79	28.55	30.37	32.25	34.20	36.20	38.27	16
11	23.43	25.03	26.70	28.43	30.22	32.07	33.98	35.96	37.99	40.09	11
12	25.03	26.67	28.36	30.12	31.94	33.83	35.77	37.78	39.85	41.98	19
13	26.70	28.36	30.09	31.88	33.73	85.65	37.62	39.66	41.76	43.92	13
14	28.43	30.12	31.88	33.70	35.59	37.53	89.54	41.60	43.73	45.93	
15	30.22	31.94	33.73	35.59	37.50	39.48	41.51	43.61	45.77	47.99	15
16	32.07	33.83	35.65	37.53	39.48	41.48	43.55	45.68	47.87	50.12	16
17	33.98	35.77	37.62	39.54	41.51	43,55	45.65	47.81	50.03	52.31	100
18	35.96	37.78		41.60	43.61	45.68	47.81	50.00	52.25	54.57	
19	37.99	39.85	41.76	43.73	45.77	47.87	50.03	52.25	54.54	56.88	
20	40,09	41.98	43.92	45.93	47.99	50.12	52.31	54.57	56.88	59.26	100
21	42.25	44.17	46.14	48.18	50.28	52.44	54.66	56.94	59.29	61.70	100
22	44.48	46.42	48.43	50.49	52.62	54.81	57.07	59.38	61.76	64.20	
23	46.76	48.73	50.77	52.87	55.03	57.25	59.54	61.88	64.29	66.76	
24	49.10	51.11	53.18	55.31	57.50	59.75	62.07	64.44	66.88	69.38	
25	51.51	53.55	55.65	57.81	60.03	62.31	64.66	67.07	69.54	72.07	
26	53.58	56.05	58.18	60.37	62.62	64.94	67.31	69.75	72.25	74.81	26
27	56.51	58.61	60.77	62.99	65.28	67.62	70.03	72.50	75.03	77.62	
28	59.10	61.23	63.43	65.68	67.99	70.87	72.81	75.81	77.87	80.49	28
29	61.76	63.92	66.14	68.43	70.77	73.18	75.65	78.18	80.77	83.43	29
30	64.48	66.67	68.92	71.23	78.61	76,05	78.55	81.11	88.78	86,42	30
31	67.25	69.48	71.76	74.10	76.51	78.98	81.51	84.10	86.76	89.48	31
32	70.09	72.35	74.66	77.04	79.48	81.98	84.54	87.16	89.85	92.59	32
33	72.99	75.28	77.62	80.03	82.50	85.03	87.62	90.28	92.99	95.77	33
34	75.96	78.27	80.65	83.09	85.59	88.15	90.77	93.46	96.20	99.01	34
35	78.98	81.33	83.73	86.20	88.73	91.33	93.98	96.70	99.48	102.31	35
36	82.07	84.44	86.88	89.38	91.94	94.57				105.68	
37	85.22	87.62	90.09	92.62	95.22		100.59				
38	88.43	90.86	93.36	95.93			103.98				
39	91.70	94.17	96.70				107.44				
10	95.03	1000	COCHE S	40,000	Section 2014		110.96		V. V [1]	10000	177
41		100.96									
		104.44									
		107.99									
		111.60									
		115.28	1.0	A. M. A.	275 2		PERCONAL PROPERTY.	TO 100 MILES	A WALL ALL		
		119.01									
		122.81									
		126.67									
		130.59									
90	131.76	134.57	137.44	140.37	143.36	146,42	149.54	152.72	155.96	159.26	50
	11	12	13	14	15	16	17	18	19	20	Г

Feet.	21	22	23	24	25	26	27	28	29	30	Feet.
0	25.28	27.16	29.10	31.11	33.18	35,31	37.50	39.75	42.07	44.44	-
1	26.51	28.43	30.40	32.44	34.54	36.70	38.92	41.20	43.55	45.96	
2	27.81	29,75	31.76	33,83	35,96	38.15	40.40	42.72	45.09	47.53	
3	29.17	31.14	33.18	35.28	37.44	39.66	41.94	44.29	46.70	49.17	5
4	30.59	32.59	34.66	36.79	38.98	41.23	43.55	45.93	48.36	50.86	4
5	32.07	34.10	36,20	38.36	40.59	42.87	45.22	47.62	50.09	52.62	1
6	33.61	35.68	37.81	40.00	42.25	44.57	46.94	49.38	51.88	54.44	
7	35.22	37.31	39.48	41.70	43.98	46.33	48.73	51.20	53.78	56.33	
8	36.88	39.01	41.20	43.46	45.77	48.15	50.59	53.09	55.65	58,27	
9	38.61	40.77	42.99	45.28	47.62	50.03	52.50	55.03	57.62	60.28	1
10	40.40	42.59	44.85	47.16	49.54	51.98	54.48	57.04	59.66	62.35	1(
11	42.25	44.48	46.76	49.10	51.51	53.98	56.51	59.10	61.76	64.48	1
12	44.17	46.42	48.73	51.11	58.55	56.05	58.61	61.23	63,92	66.67	
13	46.14	48.43	50.77	53.18	55.65	58.18	60.77	63.43	66.14	68.92	
14	48.18	50.49	52.87	55.31	57.81	60.37	62.99	65.68	68.43	71.23	
15	50.28	52.62	55.03	57.50	60.03	62.62	65.28	67.99	70.77	73.61	
16	52.44	54.81	57.25	59.75	62.31	64.94	67.62	70.37	73.18	76.05	
17	54.66	57.07	59.54	62.07	64.66	67.31	70.03	72.81	75.65	78.55	
18	56.94	59.38	61.88	64.44	67.07	69.75	72.50	75.31	78.18		
19	59.29	61.76	64.29	66.88	69.54	72.25	75.03	77.87	80.77	83.73	
20	61.70	64.20	66.76	69.38	72.07	74.81	77.62	80.49	83.43	86.42	
21	64.16	66.70	69.29		100000	0.00	- 3.373	777	10000		
22	66.70	69.26	71.88	71.94	74.66	77.44	80.28	83.18	86.14	89.17	
23	69.29	71.88	74.54	74.57	77.31	80.12	82.99 85.77	85.93	88.92	A 1 - 6	
24	71.94	74.57	77.25	80.00	80.03 82.81	82.87 85.68		88.73	91.76 94.66		
25	74.66	77.31	80.03	82.81	85.65	88.55	88.61 91.51	91.60	THE PERSON NAMED IN	A - A Tarin	100
354	1000	the state of	10 AC 11-1-1		ALC: YES	100	100	94.54		100.77	100
26	77.44	80.12	82.87	85.68	88.55	91.48	94.48		100.65		
27	80.28	82.99	85.77	88.61	91.51	94.48			103.73		
29	83.18 86.14	85.93 88.92	88.73	91.60	94.54		100.59				
30	89.17	91.98	91.76 94.85	94.66			103.73				
10	1000	A-200.00	2.27		- VIII	the state of the s	106.94	H. 1. J. T. W. T. T.	Secret Bearing		
31	92.25						110.22				
32	95.40		101.20	104.20	107.25	110.37	113.55	116.79	120.09	123.46	33
33	98.61	101.51	104.48	107.50	110.59	113.73	116.94	120.22	123.55	126.94	33
05	101.00	109. 10	107.81	110.86	113.98	117, 16	120.40	123.70	127.07	180.49	3
			111.20								
36	108.61	111.60	114.66	117.78	120.96	124.20	127.50	130.86	134.29	137.78	30
37	112.07	115.09	118.18	121.33	124.54	127.81	131.14	134.54	137.99	141.51	3
38	115.59	118.64	121.76	124.94	128.18	131.48	134.85	138.27	141.76	145.31	31
39	119.17	122.25	125.40	128,61	131.88	135.22	138.61	142.07	145.59	149.17	39
			129.10								
11	126.51	129.66	132.87	136.14	139.48	142.87	146.33	149.85	153.43	157.07	4
12	130.28	133.46	136.70	140.00	143,36	146.79	150.28	153.83	157.44	161.11	45
13	134.10	137.31	140.59	143.92	147.31	150.77	154.29	157.87	161.51	165.22	4
14	137.99	141.23	144.54	147.90	151.33	154,81	158.36	161.98	165.65	169.39	4
£5	141.94	145.22	148.55	151.94	155.40	158.92	162.50	166.14	169.85	173.61	4
			152.62								
17	150.03	153.36	156.76	160.22	163.73	167.31	170.96	174.66	178.48	182.25	4
18	154.17	157.53	160.96	164.44	167.99	171.60	175.28	179,01	182.81	186.67	4
49	158.36	161.76	165.22	168.73	172.31	175.96	179.66	183.43	187.25	191.14	4
50	162.62	166.05	169.54	173.09	176.70	180.37	184,10	187.90	190.76	195.68	5
	21	22	23	24	25	26	27	28	29	30	-

TABLE XXIII.—BASE 30.—SLOPES 2½ to 1.

Fort.	31	32	33	34	35	36	37	38	3 9	40	Post.
0	46.88	49.38	51.94	54.57	57.25	60.00	62.81	65.68	68.61	71.60	0
1		50.96					64.54	67.44	70.40	73.43	1
3	50.03 51.70	52.59 54.29	55.22 56.94		60.65 62.44	63.46 65.28	66.33 68.18	69.26 71.14	72.25 74.17	75.31 77.25	2
4	53.43	56.05	58.73			67.16	70.09	78.09	76.14	79.26	4
5	55.22	57.87	60.59	63.36	66.20	69.10	72.07	75.09	78.18	81.33	5
6	57.07	59.75	62.50		68.18	71.11	74.10	77.16	80.28	83.46	6
8	58.98 60.96	$61.70 \\ 63.70$	$64.48 \\ 66.51$	67.31 69.38	70.22 72.31	73.18 75.31	76.20 78.36	79.29 81.48	82.44 84.66	85.65 87.90	7 8
9	62.99	65.77	68.61	71.51	74.48	77.50	80.59	83.78	86.94	90.22	9
10	65.09	67.90	70.77	73.70	76.70	79.75	82.87	86.05	89.29	92.59	10
11	67.25	70.09	72.99	75.96	78.98	82.07	85.22	88.43	91.70		11
12	69.48	72.35	75.28	78.27	81.33 83.73	84.44	87.62	90.86	94.17		
13 14	71.76 74.10	74.66 77.04	77.62 80.03	80.65 83.09	86.20	86.88 89.38	90.09 92.62	93.36 95.93		100.09 102.72	
15	76.51	79.48	82.50	85.59	88.73	91.94	95.22			105.40	
16	78.98	81.98	85.03	88.15	91.33	94.57	97.87	101.28	104.66	108.15	16
17	81.51	84.54	87.62	90.77	93.98					110.96	
18 19	84.10 86.76	87.16 89.85	90.28 92.99	93.46 96.20						113.83 116.76	
20	89.48	92.59	95.77							119.75	
21	92.25	95.40	98.61	101.88	105.22	108.61	112.07	115.59	119.17	122.81	21
	95.09									125.93	
23										129.10 182.35	
										135.65	
1	1			i		T .				139.01	
27	110.22	113.55	116.94	120.40	123.92	127.50	131.14	134.85	138.61	142.44	27
										145.93 149.48	
										153.09	
i I									•	156.76	
82	126.88	130.37	133.92	137.53	141.20	144.94	148.73	152.59	156.51	160.49	32
										164.29	
										168.15 172.07	
1								l		176.05	l
37	145.09	148.73	152.44	156.20	160.03	163.92	167.87	171.88	175.96	180.09	37
										184.20	
										188.36 192.59	
1 1				1		l .	1	l	ł	196.88	ı
										201.23	
										205.65	
										210.12 214.66	
							1		ŀ	219.26	l
										223.92	
48	190.59	194.57	198.61	202.72	206.88	211.11	215.40	219.75	224.17	228.64	48
										233.43 238.27	
_			201.01	211.00	210.20	-20.40		223.20	200.70		
	31	32	33	34	35	36	37	38	39	40	

Foot	41	42	43	44	45	46	47	48	49	50	Peet.
0	74.66	77.78	80.96	84.20	87.50	90.86	94, 29	97.78	101.33	104.94	(
1	76.51	79.66	82.87	86.14	89.48	92.87	96.33	99.85	103.43	107.07	1
2	78.43	81.60	84.85	88.15	91.51	94.94				109,26	
3	10000	83.61	86.88		93.61		100.59				5
4	82.44	85.68	88.98		95.77		102.81				
5	84.54	87.81	91.14	94.54	97.99	101.51	105.09	108.73	112.44	116.20	
6	86.70	90.00	93.36				107.44				•
7	88.92	92.25					109.85				
8	91.20	94.57					112.31				
9	93.55	22 22					114.85				
10	95.96	99.38	102.87	106,42	110.03	113.70	117.44	121.23	125.09	129.01	10
11							120.09				
							122.81				
							125.59				
14	106.20	109.75	113.36	117.04	120.77	124.57	128.43	132.35	136.33	140.37	14
- 1					The second second		131.33	The second second			
							134.29				
17	114.54	118.18	121.88	125.65	129.48	133.36	137.31	141.33	145.40	149.54	17
							140.40				
							143.55				
20	123.43	127.16	130.96	134.81	138,73	142.72	146.76	150.86	155.03	159.26	20
							150.03				
							153.36				
							156.76				
							160.22				
							163.73				
26	142.87	146.79	150.77	154.81	158.92	163.09	167.31	171.60	175.96	180.37	26
27	146.33	150.28	154.29	158.36	162.50	166.70	170.96	175.28	179.66	184.10	27
28	149.85	153.83	157.87	161.98	166.14	170.37	174.66	179,01	183.43	187.90	25
29	153.43	157.44	161.51	165.65	169,85	174.10	178.43	182.81	187.25	191.76	29
30	157.07	161.11	165.22	169.39	173,61	177,90	182, 25	186.67	191.14	195.68	30
31	160.77	164.85	168.98	173.18	177.44	181.76	186.14	190.59	195.09	199.66	31
32	164.54	168.64	172.81	177.04	181.33	185.68	190.09	194.57	199.10	203.70	32
33	168.36	172.50	176.70	180.96	185.28	189.66	194.10	198.61	203.18	207.81	38
34	172.25	176.42	180,65	184.94	189, 29	193.70	198.18	202.72	207.31	211.98	34
35	176.20	180.40	184.66	188.98	193.36	197.81	202.31	206.88	211.51	216.20	36
36	180, 22	184.44	188.73	193.09	197.50	201.98	206.51	211.11	215.77	220.49	36
37	184.29	188.55	192.87	197.25	201.70	206.20	210.77	215.40	220.09	224.85	37
38	188.43	192.72	197.07	201.48	205.96	210.49	215.09	219.75	224.48	229.26	38
39	192.62	196.94	201.33	205.77	210.28	214.85	219.48	224.17	228.92	233.73	35
40	196.88	201,23	205.65	210, 12	214.66	219.26	223.92	228.64	233.43	238.27	40
41	201.20	205.59	210.03	214.54	219.10	223.78	228.43	233.18	237.99	242.87	41
42	205.59	210.00	214.48	219.01	223.61	228.27	232,99	237.78	242.62	247.53	42
43	210.03	214,48	218,98	223.55	228, 18	232.87	237.62	242.44	247.31	252.25	43
44	214.54	219.01	223.55	228.15	232.81	237.53	242.31	247.16	252.07	257.04	44
45	219.10	223,61	228.18	232,81	237,50	242.25	247.07	251.94	256.88	261.88	4
							251.88				
47	228.43	232.99	237.62	242.31	247.07	251.88	256.76	261.70	266.70	271.76	47
48	233.18	237.78	242,44	247.16	251.94	256.79	261,70	266.67	271.70	276.79	48
49	237.99	242.62	247.31	252.07	256.88	261.76	266,70	271.70	276.76	281.88	45
50	242.87	247.53	252.25	257.04	261.88	266.79	271.76	276.79	281.88	287.04	50
-	41	. 42	43	44	45	46	47	48	49	50	

TABLE XXIV.-BASE 30.-SLOPES 3 to 1.

Feet.	1	2	3	4	5	6	7	8	9	10	Feet.
0	0.59	1.26	2.00	2.81	3.70	4.67	5.70	6,81	8.00	9.26	(
1	1.22	1.93	2.70	3.56	4.48	5,48	6.56	7.70	8.93	10.22	1
2	1.93	2.67	3.48	4.37	5.33	6,37	7.48	8.67	9,93	11.26	2
3	2.70			5.26	6,26		8.48	9.70	11.00	12.87	2
4	3.56			6.22	7.26		9.56	10.81	12.15	13.56	4
õ	4.48	5.33	6.26	7.26	8.33	9.48	10.70	12.00	13.37	14.81	E
6	5.48	6.37	7.33	8.37	9.48	10.67	11.93	13.26	14.67	16.15	•
7	6.56	7.48	8.48	9.56	10.70	11.93	13, 22	14.59	16.04	17.56	1
8	7.70	8.67	9.70	10.81	12.00	13.26	14.59	16.00	17.48	19.04	8
9	8,93	9.93	11.00	12.15	13.37	14.67	16.04	17.48	19,00	20.59	5
10	10.22	11.26	12.37	13.56	14.81	16.15	17.56	19.04	20,59	22.22	10
11	11.59	12.67	13,81	15.04	16.33	17.70	19.15	20.67	22.26	23.93	11
12	13.04	14.15	15.33	16.59	17.93	19.33	20.81	22.37	24.00	25.70	
13	14.56	15.70		18.22	19.59		22.56		25.81	27.56	
14	16.15	17.33	18.59	19.93	21.33		24.37	26.00	27.70	29.48	
15	17.81	19.04	20.33	21.70	23.15	24.67	26.26		29.67	31.48	
16	19.56	20.81	22.15	23.56	25.04	26.59	28.22	29.93	31.70	33.56	
17	21.37	22.67	24.04	25.48	27.00		30.26	32.00	33.81	35.70	
18	23.26	24.59	26.00	27.48	29.04	30.67	32.37	34.15	36.00	37.93	
19	25, 22	26.59	28.04	29.56	31.15	32.81	34.56		38.26	40.22	
20	27,26	28.67	30.15	31.70	33.33		36.81	38.67	40.59	42.59	
		0.50	1000		100000000000000000000000000000000000000	0.2112.0	100000000000000000000000000000000000000	1000	PAGE SAY	2000	
21	29.37	30.81	32.33	33.93	35.59	37.33	39.15	41.04	43.00	45.04	
22	31.56	33.04	34.59	36.22	37.93	39.70	41.56	43.48	45.48	47.56	
23	33.81	35.33	36.93	38.59	40.33	42.15	44.04	46.00	48.04	50.15	
24	36.15	37.70	39.33	41.04	42.81	44.67	46.59	48,59	50.67	52.81	
25	38,56	40.15	41.81	43,56	45.37	47.26	49.22	51.26	53.37	55.56	
26	41.04	42.67	44.37	46.15	48.00		51.93	54.00	56.15	58.37	
27	43.59	45.26	47.00	48.81	50.70	52.67	54.70	56.81	59.00	61.26	
28	46.22	47.93	49.70	51.56	53.48	55.48	57.56	59.70	61,93	64.22	
29	48.93	50.67	52.48	54.37	56.33	58.37	60.48	62,67	64.93	67.26	
30	51.70	53,48	55.33	57,26	59.26	61.33	63.48	65.70	68,00	70.37	3(
31	54.56	56.37	58.26	60.22	62.26	64.37	66.56	68.81	71.15	73.56	31
32	57,48	59.33	61.26	63.26	65.33	67.48	69.70	72.00	74.87	76.81	32
33	60.48	62.37	64.33	66.37	68.48	70.67	72.93	75.26	77.67	80.15	33
34	63.56	65.48	67.48	69.56	71.70	73.93	76.22	78.59	81.04	83.56	
35	66.70	68.67	70.70	72.81	75.00	77.26	79.59	82.00	84.48	87.04	35
36	69.93	71.93	74.00	76.15	78.37	80.67	83.04	85.48	88.00	90.59	36
37	73.22	75.26	77.37	79.56	81.81	84.15	86.56	89.04	91.59	94.22	37
38	76.59	78.67	80.81	83.04	85.33	87.70	90.15	92.67	95.26	97.93	
39	80.04	82, 15	84.33	86.59	88.93	91.33	93.81	96.37	99.00	101.70	39
40	83,56	85.70	87.93	90.22	92.59	95.04	97.56	100.15	102.81	105.56	40
41	87.15	89.33	91.59	93.93	96.33	98 81	101 37	104 00	106.70	109.48	41
42	90.81	93.04								113.48	
43	94.56	96.81								117.56	
44										121.70	
										125.93	
U-1.	4 B - 10 B	Marie and	Linear Company	The set well	1,740,000,000	Harrison and the	N. A. 600ACH	Mary Mary	The same of the Party	130, 22	
10											
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47	110.26			191 09	124 50						
47 48	110.26 114.37	116,81	119,38								
47 48 49	110.26 114.37 118.56	116.81 121.04	$119.38 \\ 123.59$	126.22	128,93	131.70	134.56	137.48	140.48	143,56	45
47 48 49	110.26 114.37 118.56	116.81 121.04	$119.38 \\ 123.59$	126,22	128,93	131.70	134.56	137.48	140.48		45
47 48 49	110.26 114.37 118.56	116.81 121.04	$119.38 \\ 123.59$	126,22	128,93	131.70	134.56	137.48	140.48	143,56	45

Pest.	11	12	13	14	15	16	17	18	19	20	Feet.
0	10.59	12.00	13.48	15.04	16.67	18.37	20.15	22.00	23.93	25.93	1
1	11.59	13.04	14.56	16.15	17.81	19.56	21.37	23,26	25.22	27.26	1
2	12.67	14.15	15.70	17.33	19.04	20.81	22.67	24.59	26.59	28.67	1
3	13.81	15.33	16.93	18.59	20.33		24.04	26.00	28.04	30.15	1
4	15.04	16.59	18, 22	19.93	21.70	23,56	25.48	27.48	29.56	31.70	4
5	16.33	17.93	19.59	21.33	23.15	25.04	27.00	29.04	31.15	33,33	1
6	17.70	19.33	21.04	22.81	24.67	26.59	28.59	30.67	32.81	35.04	1
7	19.15	20,81	22.56	24.37	26.26	28,22	30.26	32.37	34.56	36.81	1
8	20.67	22.37	24.15	26.00	27.93	29.93	32.00	34.15	36.37	38.67	13
9	22.26	24.00	25.81	27.70	29.67	31.70	33.81	36.00	38.26	40.59	J
10	23.93	25.70	27.56	29.48	31.48	33.56	35.70	37.93	40.22	42.59	1
11	25.67	27.48	29.37	31.33	33.37	35.48	37.67	39.93	42,26	44.67	
12	27.48	29.33	31.26	33.26	35.33	37.48	39.70	42.00	44.37	46.81	
13	29.37	31.26	83.22	35,26	37.37	39.56	41.81	44.15	46.56	49.04	12.0
14	31.33	33.26	35.26	37.33	39.48	41.70	44.00	46.37	48.81	51.33	
15	33.37	35.33	37.37	39.48	41.67	43.93	46.26	48.67	51.15	53.70	1.
16	35.48	37.48	39.56	41.70	43.93	46.22	48.59	51.04	53.56	56.15	1
17	37.67	39.70	41.81	44.00	46.26	48.59	51.00	53.48	56.04	58.67	
18	39.93	42.00	44.15	46.37	48.67	51.04	53,48	56.00	58.59	61.26	
19	42.26	44.37	46.56	48.81	51.15	53.56	56.04	58.59	61.22	63.93	
20	44.67	46.81	49.04	51.33	53.70	56.15	58.67	61.26	63,93	66.67	20
21	47.15	49.33	51.59	58.93	56.33	58.81	61.37	64.00	66.70	69.48	2
22	49.70	51.93	54.22	56.59	59.04	61.56	64.15	66.81	69.56	72.37	25
23	52.33	54.59	56.93	59.33	61.81	64.37	67.00	69.70	72.48	75.33	
24	55.04	57.33	59.70	62.15	64.67	67.26	69.93	72.67	75.48	78.37	
25	57.81	60.15	62.56	65.04	67.59	70.22	72.93	75.70	78.56	81.48	2
26	60.67	63.04	65.48	68.00	70.59	73.26	76.00	78.81	81.70	84.67	26
27	63.59	66.00	68.48	71.04	73.67	76.37	79.15	82.00	84.93	87.93	27
28	66,59	69.04	71.56	74.15	76.81	79.56	82.37	85.26	88.22	91.26	28
29	69.67	72.15	74.70	77.33	80.04	82.81	85.67	88.59	91.59	94.67	25
30	72.81	75.33	77.93	80.59	83.33	86.15	89.04	92.00	95.04	98.15	3(
31	76.04	78.59	81.22	88.98	86.70	89.56	92.48	95.48	98.56	101.70	31
32	79.33	81.98	84.59	87.33	90.15	93.04	96.00	99.04	102.15	105.33	35
33	82.70	85.33	88.04	90.81	93.67	96.59				109.04	
34	86.15	88.81	91.56	94.37		100.22					
35	89.67	92.37	95.15	98.00	100.93	103.93	107.00	110.15	113.37	116.67	3
36	93.26	96.00	98.81	101.70	104.67	107.70	110.81	114.00	117.26	120.59	36
87	96.93	99.70	102.56	105.48	108.48	111.56	114.70	117.93	121.22	124.59	3
38	100.67	103.48	106.37	109.33	112.37	115.48	118.67	121.93	125.26	128.67	38
		107.33									
40	108.37	111.26	114.22	117.26	120.37	123.56	126.81	130.15	133.56	137.04	4
41	112.33	115.26	118.26	121.33	124.48	127.70	131.00	134.37	137.81	141.33	4
		119.33									
		123.48									
		127.70									
45	128.93	132.00	135.15	138,37	141.67	145.04	148.48	152.00	155.59	159.26	4.
46	133.26	136.37	139.56	142.81	146.15	149.56	153.04	156.59	160.22	163.93	4
		140.81									
48	142.15	145.33	148.59	151,93	155.33	158.81	162.37	166,00	169.70	173.48	4
49	146.70	149.93	153, 22	156.59	160.04	163.56	167.15	170.81	174.56	178.37	4
50	151.33	154.59	157.93	161.33	164.81	168.37	172.00	175.70	179.48	183,33	5
	11	12	13	14	15	16	17	18	19	20	

Feet.	21	22	23	24	25	26	27	28	29	30	Door
0	28.00	30.15	32.37	34.67	37.04	39.48	42.00	44.59	47.26	50.00	Ī
1	29.37	31.56	33.81	36.15	38.56	41.04	43.59	46.22	48.93	51.70	r
2	30.81	33.04	35.33	37.70	40.15	42.67	45.26	47.93	50.67	53.48	ľ
3	32.33	34.59	36.93	39.33	41.81	44.37	47.00	49.70	52.48	55.33	
4	33.93	36.22	38.59	41.04	43.56	46, 15	48.81	51.56	54.87	57.26	1
5	35.59	37.93	40.33	42.81	45.37	48.00	50.70	53.48	56.33	59.26	l
6	37.33	39.70	42.15	44.67	47.26	49.93	52.67	55.48	58.37	61.33	١
7	39.15	41.56	44.04	46.59	49.22	51.93	54.70	57.56	60.48	63.48	
8	41.04	43.48	46.00	48.59	51.26	54.00	56.81	59.70	62.67	65.70	
9	43.00	45.48	48.04	50.67	53.37	56.15	59.00	61.93	64.93	68.00	
10	45.04	47.56	50.15	52.81	55.56	58.37	61.26	64.22	67.26	70.37	1
30		49.70	52.33	55.04	57.81	60.67	63.59	66.59	69.67	72.81	1
11	47,15	51.93	54.59	57.83	60.15	63.04	66.00	69.04	72.15	75.83	
12 13	49.33 51.59	54.22	56.98	59.70	62.56	65.48	68.48	71.56	74.70	77.93	
14	53.93	56.59	59.88	62.15	65.04	68.00	71.04	74.15	77.33	80.59	
15	56.33	59.04	61.81	64.67	67.59	70.59	78.67	76.81	80.04	83.33	
G-1		1000000	100 TO 1	7550000	Section 1	73.26	76.37	79.56	82.81	86.15	Г
16	58.81	61.56	64, 37	67.26	70.22		79.15	82.37	85.67	89.04	
17	61.37	64.15	67.00	69.93	72.93	76.00	82.00	85.26	88.59	92.00	
18	64.00	66.81	69.70 72.48	72.67	78.56	81.70	84.93	88.22	91.59	95.04	
19 20	66.70	72.37	75.33	78.37	81.48	84.67	87.93	91.26	94.67	98.15	
-04	69.48	1,160			100000000000000000000000000000000000000	120,50.00	1000	A 100 St. 100		5.2% 2.2	F
21	72.33	75.26	78.26	81.33	84.48	87.70	91.00	94.37		101.33	1-
22	75.26	78.22	81.26	84.37	87.56	90.81	94.15			104.59	
23	78.26	81.26	84.33	87.48	90.70	94.00				107.93 111.33	
24	81.33	84.37	87.48	90.67	93.93					114.81	
25	84,48	87.56	90.70	93.93		2722					
26	87.70	90.81	94.00	97.26	100.59	104.00	107.48	111.04	114.67	118.37	2
27	91.00	94.15	97.37	100.67	104.04	107.48	111.00	114.59	118.26	122.00	2
28	94.37	97.56	100.81	104.15	107.56	111.04	114.09	118, 22	101.90	125.70	2
29	97.81	101.04	104.33	107.70	111, 15	114.67	199 00	121.93	120.07	129.48	2
		104.59									
31	104.93	108.22	111.59	115.04	118, 56	122.15	125.81	129.56	133.37	137.26	3
32	108.59	111.93	115.33	118.81	122.37	126.00	129.70	133.48	137.33	141.26	3
33	112.33	115.70	119.15	122.67	126.26	129.93	133.67	137.48	141.37	145.33	
34	116.15	119.56	123.04	126.59	130.22	133.93	137.70	141.56	140.48	149,48	ŀ
		123.48									
36	124.00	127.48	131.04	134.67	138.37	142.15	146.00	149.98	153.93	158.00	5
37	128.04	131.56	135.15	138.81	142.56	146.37	150,26	154.22	158.26	162.37	3
38	132.15	135.70	139.33	143.04	146.81	150.67	154.59	158.59	162.67	166.81	3
39	136.33	139.93	143.59	147.33	151, 15	155.04	159,00	163.04	167.15	171.33	1
		144.22									
41	144.93	148.59	152.33	156.15	160.04	164.00	168.04	172.15	176.33	180.59	4
42	149.33	153.04	156.81	160.67	164.59	168.59	172.67	176.81	181.04	185.33	4
43	153.81	157.56	161.37	165.26	169.22	173.26	177.37	181.56	185.81	190.15	4
44	158.37	162.15	166.00	169.93	173.93	178.00	182.15	186.37	190.67	195.04	4
		166,81									
46	167.70	171.56	175.48	179.48	183.56	187.70	191.93	196.22	200.59	205.04	4
47	172.48	176.37	180.33	184.37	188.48	192.67	196.93	201.26	205.67	210.15	4
48	177.33	181, 26	185.26	189.33	193.48	197.70	202.00	206.37	210.81	215.33	4
49	182.26	186, 22	190.26	194.37	198.56	202.81	207.15	211.56	216.04	220.59	4
50	187.26	191.26	195.33	199.48	203.70	208.00	212.37	216.81	221.33	225.93	423
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Feet.	31	32	33	34	35	36	37	38	39	40	Feet.
	4			61.70	64.81						
1 2				63.56 65.48	66.70						
8		61.26	64.33	67.48	70.70	74.00	77.37	80.81			
4 5				69.56 71.70	72.81 75.00						
ě		1 .	1	78.93	77.26	ı	1	85.33 87.70		1	1 1
7				76.22	79.59				93.81		
8				78.59	82.00 84.48			92.67		100.15	
9 10		1	1	81.04 83.56	87.04		91.59 94.22	95.26 97.93		102.81 105.56	9 10
11	í	1	1	86.15	89.67		1			108.37	
12				88.81	92.37					111.26	
13 14	81.22 83.98			91.56 94.37	95.15 98.00	101.70				114.22 117.26	
15						104.67					
16						107.70					
17 18	92.48 95.48		99.59 102.67	103.26 106.87	107.00 110.15	110.81 114.00	114.70 117.98	118.67 121.93	122.70 126.00	126.81 130.15	17 18
19	98.56	102.15	105.81	109.56	113.37	117.26	121.22	125.26	129.37	133.56	19
		1	109.04							1	
			112.33 115.70								
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1			126.26 129.93	1						1	
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			141.37 145.33								
			149.87							l i	
			153.48								
			157.67 1 161.98 1								
			166.26								
			170.67								
			175.15 1 179.70 1								
39	175.59	179.93	184.33	188.81	193.37	198.00	202.70	207.48	212.33	217.26	39
		i	189.04	1	1	1	- 1	1	l i	i i	- 1
			193.81 1 198.67 2								
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			210.01 2 224.04 2								
48	219.93	224.59	229.38	284.15	39.04	244.00	249.04	254.15	259.33	264.59	48
			234.702 240.152								
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H	31	32	33	34	35	36	37	38	39	40	ı

Feet.	41	42	43	44	45	46	47	48	49	50	Post
0	85.04	88.67	92.37	96.15	100.00	103.93	107.93	112.00	116.15	120.37	
1	87.15	90.81				106.22					
2	89.33	and the same of								125.33	
3	91.59									127.93	
4	93.93									130.59	
5		100000000000000000000000000000000000000	100000	100000		V2227	1 1 1 1 1 1 1 1 1			133.33	
6										136.15	
										139.04	
										$142.00 \\ 145.04$	
										148.15	
	10, 200, 200, 20		the state of the state of	11 11 11 11	a warm have	A Company of the Comp	1	And the second		A	
										151.33	
12	115.26	119.33	123.48	127.70	195 15	100.07	144.04	140.00	159 99	154.59	ŀ
10	101 99	195:49	120.00	134 00	138 37	149 81	147 33	151 93	156 59	157.93 161.33	li
										164.81	
		CONTRA	D	Action Color	0.000.000	10-20-20-20-20	C. 54, 1905	No. of the last	PROCESSOR,	DAG AND	ı.
										168.37 172.00	
										175.70	
										179.48	
										183.33	
3.3	Section Section 1	1-3-1-1 See	1.00	Contract Contract	CO. 15 146	A STATE OF STATE	The State of	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	DESCRIPTION OF	187.26	ь.
										191.26	
										195.33	
										199.48	
										203.70	
10	250120		0.000				100000		Elizabeth Control	208.00	١.
										212.37	
28	172 15	176.81	181 56	186.37	191.26	196.22	201.26	206.37	211.56	216.81	2
										221.33	
										225.93	
100	F-17 100	Marie Santa		W32 W	Mary and the	V. C. Sandara	1 22 4 4	1979	Acres San Control	230.59	L
										235.33	
										240.15	
										245.04	
35	203.00	207.93	212.93	218.00	223.15	228.37	233.67	239.04	244.48	250.00	3
36	207 70	212 67	217 70	222.81	228 00	933 96	238 59	244.00	249.48	255.04	3
										260.15	
										265.33	
										270.59	
10	227.26	232.37	237.56	242.81	248.15	253.56	259.04	264.59	270.22	275.93	4
11	232.33	237.48	242.70	248.00	253.37	258.81	264.33	269.93	275.59	281.33	4
										286.81	
43	242.70	247.93	253.22	258.59	264.04	269.56	275.15	280.81	286.56	292.37	4
44	248.00	253.26	258.59	264.00	269.48	275.04	280.67	286.37	292.15	298.00	4
45	253.37	258.67	264.04	269.48	275.00	280.59	286.26	292.00	297.81	303.70	4
46	258.81	264.15	269.56	275.04	280.59	286.22	291.93	297.70	303.56	309.48	4
										315.33	
48	269.93	275.33	280,81	286.37	292.00	297.70	303.48	309.33	315.26	321.26	4
										327.26	
50	281.33	286.81	292,37	298,00	303.70	309.48	315.33	321.26	327.26	333.33	5
		40	- 40		1.	10	400	40	10		1
-1	41	42	43	44	45	46	47	48	49	50	1

TABLE XXV.—BASE 30.—SLOPES 3½ to 1.

Poof.	1	2	3	4	5	6	7	8	9	10	Feet.
0		1.28			3.86			7.21			
$\frac{1}{2}$		1.97 2.74						8.15 9.19			_
lá		8.60			5.57 6.56						
4	8.69	4.54		6.52	7.64						
5		5.57	í I	7.64	8.80	1		l	ľ		1 -
6		6.69		8.84	10.04		12.71	14.17			
7 8		7.90 9.19		10.18 11.51	11.38 12.80		14.13 15.64				
9		10.56		12.97	14.30		17.28	18.82	1		1 -
10	10.91	12.03	13.23	14.52	15.90	17.36	18.91	20.54	1		10
11	12.41	18.57	14.82	16.15	17.57	19.08	20.67	22.35			
12 13	14.01 15.69	15.21 16.98	16.50 18.27	17.88 19.69	19.34 21.19	20.89 22.78	22.58 24.46	24.25 26.23	I		
14	17.45	18.74	20.12	21.58	23.13	24.77	26.49	28.30	30.19	32.17	
15	19.30	20.64	22.06	23.56	25.15	26.83	28.60	30.45	32.39	84.41	15
16	21.24	22.62	24.08	25.68	27.27	28.99	30.80	82.69	34.67	36.74	
17 18	23.27 25.38	24.69 26.84	26.19 28.89	27.78 30.02	29.46 31.75	31.23 33.56	33.08 35.45	35.02 37.43	37.04 39.50	89.15 41.65	
19	27.57	29.08	80.67	82.85	84.12	85.97	37.91	39.93		44.24	
20	29.86	81.41	33.04	34.77	36.57	38.47	40.45	42.52	44.67	46.91	
21	32.23	83.82	35.50	87.27	39.12	41.06	48.08	45.19	47.39	49.67	
22	34.69	36.32 38.91	38.04 40.67	39.85 42.52	41.75	43.73 46.49	45.80 48.60	47.95 50.80	50.19 53.08	52.52	
$\frac{23}{24}$	87.23 89.86	41.58	43.39	45.28	$44.46 \\ 47.27$	49.33	51.49	53.73	56.06		
25	42.57	44.34	46.19	48.18	50.15	52.27	54.46	56.75	59.12	61.57	
26	45.88	47.19	49.08	51.06	53.13	55.28	57.52	59.85	62.27	64.77	
27	48.27	50.12	52.06	54.08	56.19	58.39	60.67 63.91	63.04	65.50 68.82	68.04	
28 29	51.24 54.30	58.14 56.24	55.12 58.27	57.19 60.38	59.34 62.57	61.58 64.86	67.23	66.32 69.69	72.23	71.41 74.86	
30	57.45	59.43	61.50	63.65	65.90	68.22	70.64	73.14	75.72	78.40	
31	60.69	62.71	64.82	67.02	69.30	71.67	74.13	76.67	79.30	82.02	31
32	64.01	66.07	68.23	70.47	72.80	75.21	77.71	80.30	82.97	85.73	
88 84	67.41 70.91	69.52 78.06	71.72 75.30	74.01 77.68	76.88 80.04	78.83 82.54	81.38 85.13	84.01 87.80	86.72 90.56	89.52 93.41	
35	74.49	76.69	78.97	81.34	83.80	86.34	88.97	91.69			
36	78.15	80.40	82.72	85.14	87.64	90.22	92.89	95.65	98.50	101.43	36
37	81.91	84.19	86.56	89.02	91.56	94.19	96.91			105.57	
38 39	85.75 89.67	88.07 92.04	90.49 94.50	92.99 97.04	95.57 99.67	98.25 102.39				109.80	
40	93.69	96.10				106.62					
41	97.78	100.24	102.78								
	101.97										
	106.24 110.60										
	115.04										
46	119.57	122.25	125.01	127.85	180.78	133.80	136.91	140.10	143.38	146.74	46
	124.19										
	128.89 133.68										
	138.56										
-						<u> </u>	17			10	-

Late	11	12	13	14	15	16	17	18	19	20	Foot.
11	11.34	12.89	14.53	16.25	18.06	19.95	21.93	24.00	26.15	28.40	-
1.	12.41	14.01	15.69	17.45	19.30	21.24	23.27	25.38	27.57	29.86	
2	13.57	15.21	16.93	18.74	20.64		24.69	26.84	29.08	31,41	1
3	14.82	16.50	100 000 000	20.12	22.06	24.08	26.19	28.39	30.67	33.04	1
4	16.15	17.88	19.69	21.58	23.56	25.63		30.02	32.35	34.77	1
5	17.57	19.34	21, 19	23.13		27.27	29.46		34.12	36.57	
6	19.08	20.89	22.78	24.77	26.83	28.99	2000		35.97	0.000	1
7	20.67	22.53		26.49	28.60			35.45	37.91	40.45	1
8	22.35	24.25		28.30	30.45	32.69	35.02	37.43	39.93		
9	24.12	26.06	28.08	30,19	32.39	34.67	37.04	39.50	42.04		
10	25.97	27.95		32.17	34.41	36.74	39.15		44.24		
11	27.91	29.93		34.24	36.52	100,000	41.35	43.90	46.52	C	
12	29.93	32.00		36.40		41.14	43.64	46.22	48.90		-
13	32.04	34.15		38.64	41.01	43.46		48.64	51.35		
14	34.24	36.40	. 555 554	40.96		45.88		51.14	53.90		
15	36.52	38.72	100000000000000000000000000000000000000	43.38			51.01	53.72	56.52		
- 1	Carrier Control	100000000000000000000000000000000000000	41.01		3 1 3 4 1	n 1, 100 1	16/41/19/4	1. Carlot 1971 H	14445-31	16 20 00 14	100
16	38.90	41.14	43,46	45.88		50.96		56.40		62.17	1
17	41.35	43.64	46,01	48.46		53.64	56.35	59.15	62.04	65.02	
18	43.90	46.22	48.64	51.14	53.72	56.40	59.15	62.00	64.93	67.95	
19	46.52	48.90	51,35	53.90		59.24	62.04	64.93	67.91	70.97	
20	49.24	51.65	54.15	56.74	59.41	62.17	65.02	67.95	70.97	74.07	2
21	52.04	54.50	57.04	59.67	62.39	65, 19	68.08	71.06	74.12	77.27	2
22	54.93	57.43	60.02	62,69	65.45	68.30	71.23	74.25	77.35	80.54	2
23	57.91	60.45	63.08	65,80	68.60	71.49	74.46	77.52	80.67	83.91	2
24	60.97	63.56	66.23	68.99	71.83	74.77	77.78	80.89	84.08	87.36	2
25	64.12	66.75	69.46	72,27	75.15	78.13	81.19	84.34	87.57	90.89	24
26	67.35	70.02	72.78	75.63	78.56	81.58	84.69	87.88	91.15	94.52	2
27	70.67	73.39	76.19	79.08		85.12	88.27	91.50			2
28	74.08	76.84	79.69	82.62	85.64	88.74	91.93	95.21	98.57	102.02	2
29	77.57	80.38		86.24	89.30	92.45	95.69	12-1-17	-/	105.91	4-1
30	81.15	84.00	86.93	89.95	93.06	96.25	99.52	102.89	106.34	109.88	3
31	84.82	87.71	90.69	93.75	96 89	100 13	103.45	106 86	110 25	112 92	2
32	88.57	91.51					107.46				
33	92.41	95.39					111.56				
34	96.34						115.75				
							120.02				
					1907 250		124.38	0.000 1000 1000	2000	1 TO COM	100
							128.82				
							133.35				
							137.97				
							142.67				
		Aller A. Land	71.00		100	10 Table 11 1	1,770	(90,000	No. A. S. M.	
							147.46				
							152.34				
							157.30				
							162.35				
C I			MOR ACCUSED			J. 1867 T. Oak	167.49				1
							172.71				
							178.02				
							183.41				
							188.89				
50	170.91	174.62	178,41	182.30	186.26	190.32	194.46	198.69	203,01	207.41	5
-			-	T.		1002	17.0		TANE		-
- 1	11	12	13	14	15	16	17	18	19	20	11

TABLE XXV.—BASE 30.—SLOPES 31 to 1.

$\begin{array}{cccccccccccccccccccccccccccccccccccc$	Feet.	21	22	23	24	25	26	27	28	29	30	Feet.
2 83. 82 86.32 88.91 41.58 44.84 47.19 50.12 53.14 56.24 53. 3 35.50 38.04 40.67 43.39 46.19 49.08 52.06 52.06 57.12 58.27 61. 4 37.27 39.85 42.52 45.28 48.13 51.06 54.08 57.19 60.38 63. 5 39.12 41.75 44.46 47.27 50.15 53.13 56.19 59.34 62.57 65. 6 41.06 43.73 46.49 49.33 52.27 55.28 58.39 61.58 64.86 68. 7 43.08 45.80 48.60 51.49 54.46 57.52 60.67 63.91 67.23 70. 8 45.19 47.95 50.80 53.73 56.75 59.85 63.04 66.32 69.59 73. 9 47.89 50.19 53.08 56.06 59.12 62.27 65.50 68.82 72.23 75. 10 49.67 52.52 55.45 58.47 61.57 64.77 68.04 71.41 74.86 78. 11 52.04 54.93 57.91 60.97 64.12 67.35 70.67 74.08 77.57 81. 12 54.50 57.43 60.45 63.56 66.23 69.46 72.78 76.19 79.69 83.27 88. 14 59.67 62.69 65.80 68.99 72.27 75.63 79.08 82.62 86.24 89. 15 62.39 65.45 68.60 71.83 75.15 78.56 82.06 85.64 89.30 93. 16 65.19 68.30 71.49 74.77 78.13 81.58 85.12 88.74 92.45 96. 17 68.08 71.23 74.46 77.78 81.19 84.69 88.27 91.93 99.11 02. 17 72.78 80.54 83.91 87.86 99.89 94.52 98.23 102.02 105.91 102. 17 72.78 80.54 83.91 87.86 99.89 94.52 98.23 102.02 105.91 102. 17 72.78 80.54 13 97.71 101.33 105.04 108.84 112.72 1105.56 109.49 113. 15 117. 21 05.56 109.49 113. 15 117. 21 05.56 109.49 113. 15 117. 21 05.56 109.89 7112. 22 1101.72 105.50 108.97 112. 22 1105.57 109.49 113. 15 116.91 121. 101.33 125.04 138.45 122. 24 116.6 129.89 138.32 138.32 137.23 141.41 145.68 150.04 158.12 117.60 121.35 125.19 129.12 133.13 137.23 141.41 145.68 150.04 154.89 116.91 121. 29 109.49 113. 15 116.91 121. 20.75 124.54 128.60 132.74 136.97 141. 24 135.84 112.91 106.69 19.81 132.81 11.92 116.69 120.75 124.54 128.60 132.74 136.97 141. 24 135.84 119.18 125.18 129.19 129.12 133.13 137.23 141.41 145.68 150.04 154.89 116.91 127. 29 109.49 113. 15 116.91 120.75 124.67 128.89 138.99 154.75 159.19 163. 138.14 139.15 16.91 127. 21 16.69 129.89 138.34 137.99 114.69 129.59 144.59 188.91 188.37 149.91 18	-										55.56	0
8 35.50 38.04 40.67 48.99 46.19 49.08 52.06 55.12 58.27 61. 4 37.27 39.85 42.52 45.28 48.13 51.06 54.08 57.19 60.38 63. 5 39.12 41.75 44.66 47.27 50.15 53.13 56.19 59.34 62.57 65. 6 41.06 43.73 46.49 49.33 52.27 55.28 58.39 61.58 64.86 68. 7 43.08 45.80 48.60 51.49 57.52 60.67 63.91 67.23 70. 8 45.19 47.95 50.80 53.73 56.75 59.85 63.04 66.32 69.69 73. 9 47.39 50.19 53.08 56.06 55.12 62.27 65.50 68.82 72.23 75. 10 49.67 52.52 55.45 58.47 61.57 64.77 68.04 71.41 74.86 78. 11 52.04 54.93 57.91 60.97 64.12 67.35 70.67 74.08 77.57 81. 12 54.50 57.43 60.45 63.66 66.75 70.02 73.39 76.84 80.38 84. 13 57.04 60.02 63.08 66.23 69.46 72.78 76.19 79.69 83.27 86. 14 55.67 62.69 65.80 68.99 72.27 75.63 79.08 82.62 86.24 89. 16 62.39 65.45 68.60 71.83 75.15 78.56 82.06 85.64 89.30 93. 16 62.39 65.45 68.60 71.83 75.15 78.56 82.06 85.64 89.30 93. 16 65.19 68.30 71.49 74.77 78.13 81.58 85.12 88.74 92.45 96. 17 68.08 71.23 74.46 77.78 81.19 84.69 88.27 91.93 95.69 99. 18 74.12 77.35 80.67 84.08 87.57 91.15 94.82 98.57102.41 106. 20 77.27 80.54 83.91 87.36 90.89 94.52 98.23 102.02 105.91 102. 21 80.50 83.82 87.23 90.72 94.80 97.7101.72 105.56 109.49 118. 22 83.82 87.19 90.64 94.17 97.71 101.38 105.13 108.97 112.89 116.91 127.21 12.05 30 100.87 112.79 110.81 105.13 108.84 112.64 116.56 120.57 124.67 128. 22 81.02 99.79 101.51 105.13 108.84 112.64 116.56 120.49 124.54 128.68 132.74 136.59 129.19 129.19 133.15 116.91 120.75 124.67 128.68 132.79 137.04 118.89 118.80 119.74 12.90 16.69 119.75 124.67 128.80 139.94 131.35 116.91 120.75 124.67 128.68 132.79 137.04 141.84 134.30 138.27 142.29 146.66 120.57 124.45 128.60 132.74 136.50 138.15 137.83 126.06 129.89 133.82 137.83 141.93 146.12 150.39 154.75 169.19 138.35 126.06 129.89 133.82 137.83 141.93 146.12 150.39 154.75 169.99 178.56 183.14 14.01 148.02 152.17 18.16 69 120.75 124.67 128.68 132.79 139.09 139.84 13.69 147.41 151.66 150.77 144.68 132.79 139.99 178.56 178.83 148.80 148.80 148.80 148.80 148.80 148.80 148.80 148.80 148.80 148.80 148.80 148.80 148.80 148.80 148.80 148.80 148.80 1		11.000 7000									57.45	1
4 87.27 39.85 42.52 45.28 48.13 51.06 54.08 57.19 60.88 63. 5 89.12 41.75 44.46 47.27 50.15 53.13 56.19 59.34 62.57 65. 6 41.06 43.73 46.49 49.33 52.27 55.28 58.39 61.58 64.86 68. 7 48.08 45.80 48.60 51.49 54.46 57.52 60.67 63.91 67.23 70. 8 45.19 47.95 50.80 53.73 56.75 59.85 63.04 66.82 69.69 78. 9 47.89 50.19 53.08 56.06 59.12 62.27 65.50 68.82 72.23 75. 10 49.67 52.52 55.45 58.47 61.57 64.77 68.04 71.41 74.86 78. 11 52.04 54.93 57.91 60.97 64.12 67.35 70.67 74.08 77.57 81. 12 54.50 57.43 60.45 63.66 66.75 70.02 73.39 76.84 80.38 84. 13 57.04 60.02 63.08 66.23 69.46 72.78 76.19 79.69 88.27 86. 14 59.67 62.69 65.80 68.99 72.27 75.63 79.08 82.62 86.24 89. 15 62.39 65.45 68.60 71.83 75.15 78.56 82.06 85.64 89.30 93. 16 65.19 68.30 71.49 74.77 78.13 81.58 85.12 88.74 92.45 96. 17 68.08 71.23 74.46 77.78 81.19 84.69 88.27 91.93 95.59 99. 18 71.06 74.25 77.52 80.89 84.34 87.88 91.50 95.21 99.01 102. 19 74.12 77.35 80.67 84.08 87.57 19.15 94.82 98.57 102.41 106. 20 77.27 80.54 83.91 87.36 90.89 94.52 98.23 102.02 105.91 109. 21 80.50 83.82 87.19 90.64 94.17 97.71 101.38 105.04 108.84 112.72 116.69 120.75 110.3 105.56 109.18 113.15 117. 24 90.72 94.17 97.71 101.38 105.04 108.84 112.72 116.69 120.75 124.24 106. 25 94.30 97.80 101.38 105.04 108.84 112.72 116.56 120.49 124.54 128.68 182.79 190.91 12.29 109.91 13. 15116.91 121. 101.38 105.56 109.18 113.51 17. 121.55 81.29 191.31 116.91 121.79 105.56 109.18 113.51 117. 121.55 81.29 191.31 116.91 121.79 116.56 120.49 124.50 128.60 182.74 186.97 141. 24 145. 145. 145. 145. 145. 145. 145. 145		- 10 mm		Auto to the local	The section of the first	the second second					59.43	2
5 89.12 41.75 44.46 47.27 50.15 58.13 56.19 59.34 62.57 65 6 41.06 43.73 46.49 49.33 52.27 55.28 58.89 61.58 64.86 68.71 7 43.08 45.80 48.60 51.49 56.75 59.85 63.04 66.32 69.69 70.87 8 45.19 47.95 50.80 53.73 56.75 59.85 63.04 66.32 69.69 70.02 9 47.89 50.19 55.95 55.45 58.47 61.57 64.77 68.04 71.41 74.86 78.71 78.08 72.23 75.74 86.74 74.08 77.57 78.04 80.20 88.28 82.72.38 76.84 80.38 84.78 89.37 79.08 82.62 86.28 82.62 86.24 89.39 72.27 75.63 79.08 82.62 86.24 89.39 79.71 77.72 80.64 89.39											61.50	3
6					100						63.65 65.90	4 5
7 48.08 45.80 48.60 51.49 54.46 57.52 60.67 63.91 67.23 70. 8 45.19 47.95 50.80 53.73 66.75 59.85 63.04 66.32 69.69 73. 9 47.39 50.19 53.08 56.06 59.12 62.27 65.50 68.82 72.23 73. 10 49.67 52.52 55.45 58.47 61.57 64.77 68.04 71.41 74.86 78. 11 52.04 54.98 57.91 60.97 64.12 67.35 70.67 74.08 77.57 81. 12 54.50 57.43 60.45 63.56 66.75 70.02 73.99 76.84 80.38 84. 13 57.04 60.02 63.08 66.23 69.46 72.78 76.19 79.69 83.27 84. 14 59.67 62.69 65.80 68.99 72.27 75.63 79.08 82.62 86.24 89. 15 62.39 65.45 68.60 71.83 75.15 78.56 82.06 85.64 89.30 93. 16 68.80 71.23 74.46 77.78 81.19 84.69 88.27 91.93 95.69 99. 18 71.06 74.25 77.52 80.89 84.34 87.88 91.50 95.21 99.01 102. 19 74.12 77.35 80.67 84.08 87.57 91.15 94.82 98.57 102.41 106. 20 77.27 80.54 83.91 87.36 90.89 94.52 98.23 102.02 105.91 109. 21 80.50 83.82 87.23 90.72 94.30 97.97 101.72 105.56 109.49 118. 22 83.82 87.19 90.64 94.17 97.80 101.51 105.80 109.18 113.15 117. 24 90.72 94.17 97.71 101.38 105.04 108.84 112.72 116.69 120.57 124.67 128. 26 97.97 101.51 105.13 108.84 112.72 116.56 109.49 118.29 116.59 109.49 113.15 117.21 105.30 109.18 113.15 117. 28 105.56 109.18 112.89 116.69 120.57 124.54 128.60 132.74 136.97 141. 29 109.49 113.15 116.91 120.75 124.67 128.86 132.27 144.67 128. 20 17.97 101.51 105.13 108.84 112.72 116.56 120.49 124.50 128.60 132.74 136.97 141. 29 109.49 113.15 116.91 120.75 124.67 128.86 132.27 136.97 141.24 145. 30 113.50 117.21 121.01 124.89 128.86 132.21 137.06 143.28 145.60 159.49 138.82 137.83 147.49 141.63 145.86 150.17 154.57 159.19 163.34 130.41 148.80 138.87 142.82 146.69 150.57 124.67 159.89 154.75 159.19 183.30 138.30 138.50 147.54 138.85 159.71 164.15 188.71 188.30 138.87 142.80 146.89 151.08 155.35 159.71 164.15 188.87 142.80 146.89 151.08 155.35 159.71 164.15 168.89 173.56 178. 30 133.50 157.60 161.78 166.05 170.41 174.86 179.99 184.01 188.71 188.71 188.87 142.80 146.89 151.08 155.35 159.71 164.15 168.69 173.40 118.80 138.99 184.01 188.77 1192.72 116.50 199.59 184.01 188.77 1193.89 199.88 162.22 166.59 150.04 189.89 189.89 189.89	-54	100000	1200.50	1,000,000		7.77	The state of	United Street, St.	DV19 0 V	1075. (57)	100000000	6
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$\begin{array}{c} 11 \\ 52.04 \\ 54.50 \\ 57.43 \\ 60.45 \\ 63.66 \\ 66.75 \\ 70.02 \\ 73.39 \\ 76.84 \\ 80.38 \\ 84. \\ 41.57.04 \\ 60.02 \\ 63.08 \\ 66.23 \\ 69.46 \\ 72.27 \\ 75.63 \\ 79.08 \\ 82.62 \\ 86.24 \\ 89.30 \\ 98. \\ 82.62 \\ 86.24 \\ 89.30 \\ 98. \\ 83.27 \\ 86. \\ 15. \\ 62.39 \\ 65.45 \\ 68.60 \\ 71.83 \\ 71.83 \\ 75.15 \\ 78.56 \\ 82.06 \\ 85.64 \\ 89.30 \\ 98. \\ 83.27 \\ 86. \\ 84. \\ 89.30 \\ 98. \\ 83.27 \\ 86. \\ 89. \\ 99. \\ 72.27 \\ 75.63 \\ 79.08 \\ 82.62 \\ 86.24 \\ 89. \\ 89. \\ 89. \\ 89. \\ 89. \\ 99. \\ 99. \\ 72. \\ 77. \\ 78. \\ 13. \\ 81.58 \\ 85. \\ 12. \\ 88.74 \\ 92. \\ 45. \\ 99. \\ 99. \\ 91. \\ 90. \\ 99. \\ 91. \\ 99. \\ 91. \\ 90. \\ 99. \\ 91. \\ 90. \\ 99. \\ 91. \\ 90. \\ 99. \\ 91. \\ 90. \\ 99. \\ 91. \\ 90. \\ 99. \\ 91. \\ 90. \\ 99. \\ 91. \\ 90. \\ 99. \\ 91. \\ 90. \\ 99. \\ 91. \\ 90. \\ 99. \\ 91. \\ 90. \\ 99. \\ 91. \\ 99. \\ 91. \\ 90. \\ 99. \\ 91. \\ 90. \\ 99. \\ 91. \\ 90. \\ 99. \\ 91. \\ 90. \\ 99. \\ 91. \\ 90. \\ 99. \\ 91. \\ 90. \\ 99. \\ 91. \\ 90. \\ 90. \\ 99. \\ 91. \\ 90. \\ 90. \\ 99. \\ 91. \\ 90. \\ 90. \\ 99. \\ 91. \\ 90. \\ 90. \\ 99. \\ 91. \\ 90. \\ 90. \\ 99. \\ 91. \\ 90. \\ 90. \\ 99. \\ 91. \\ 90. \\ 90. \\ 99. \\ 91. \\ 90. \\ 90. \\ 99. \\ 91. \\ 90. \\ 90. \\ 90. \\ 90. \\ 99. \\ 91. \\ 90.$					Carrier Co.				100		1	9
$\begin{array}{c} 12 \\ 54.50 \\ 57.43 \\ 60.02 \\ 63.08 \\ 66.23 \\ 66.23 \\ 65.45 \\ 68.99 \\ 72.27 \\ 75.63 \\ 79.08 \\ 82.62 \\ 82.66 \\ 85.64 \\ 89.30 \\ 93. \\ 85.17 \\ 88.03 \\ 88.27 \\ 89.30 \\ 93. \\ 85.17 \\ 68.08 \\ 71.23 \\ 74.46 \\ 77.78 \\ 81.19 \\ 84.69 \\ 88.27 \\ 91.93 \\ 95.69 \\ 99. \\ 94.17 \\ 68.08 \\ 71.23 \\ 74.46 \\ 77.75 \\ 80.89 \\ 84.34 \\ 87.57 \\ 91.15 \\ 94.82 \\ 91.50 \\ 95.21 \\ 99.01 \\ 100. \\ $	31		0.790.000	Clear Seats	U.S. S. L. V.C.	1000	17 35 67	1909/2508	7.52	74.86	78.40	10
$\begin{array}{c} 13 \\ 57.04 \\ 60.02 \\ 63.08 \\ 66.23 \\ 65.45 \\ 62.69 \\ 65.80 \\ 68.99 \\ 72.27 \\ 75.63 \\ 79.08 \\ 82.62 \\ 86.24 \\ 89. \\ 82.60 \\ 85.64 \\ 89.30 \\ 93. \\ 87.15 \\ 62.39 \\ 65.45 \\ 68.60 \\ 71.23 \\ 74.46 \\ 77.78 \\ 81.19 \\ 84.69 \\ 88.27 \\ 91.93 \\ 95.69 \\ 99. \\ 81.70 \\ 67.27 \\ 80.54 \\ 89.85 \\ 87.19 \\ 90.72 \\ 94.13 \\ 97.71 \\ 101.38 \\ 105.04 \\ 108.84 \\ 112.64 \\ 116.52 \\ 120.57 \\ 124.67 \\ 124.67 \\ 128.60 \\ 132.78 \\ 136.97 \\ 141.27 \\ 135.80 \\ 107.27 \\ 101.72 \\ 105.53 \\ 108.97 \\ 112.72 \\ 110.39 \\ 105.69 \\ 109.22 \\ 109.72 \\ 101.72 \\ 105.58 \\ 109.13 \\ 131.50 \\ 117.21 \\ 121.01 \\ 124.89 \\ 125.69 \\ 124.67 \\ $		1200120	22027		100 200 000 00	77.00	1000000				81.15	
14 59.67 62.69 65.80 68.99 72.27 75.63 79.08 82.62 86.24 89.30 93.16 65.19 68.80 71.49 74.77 78.13 81.58 85.12 88.74 92.45 96.17 68.08 71.23 74.46 77.78 81.19 84.69 88.27 91.93 95.69 99.1102 19.74.12 77.35 80.67 84.08 87.57 91.15 94.82 98.57 102.41 106.77.27 80.54 83.91 87.36 90.89 94.52 98.23 102.02 105.91 109.91 109.21 80.50 83.82 87.19 90.64 94.17 97.80 101.51 105.56 109.49 113.21 109.41 106.91 122.89 102.55 109.49 113.25 113.3 1517.7 105.56 109.49 113.3 1517.7 109.20 101.38 105.04 108.84 112.72 105.56 109.49 113.3 1517.7 101.38 105.04 108.84 112.27 <td></td> <td>100 200 200 200 200 200 200 200 200 200</td> <td>100</td> <td></td> <td>100000000000000000000000000000000000000</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>		100 200 200 200 200 200 200 200 200 200	100		100000000000000000000000000000000000000							
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$\begin{array}{c} 16 & 65.19 & 68.30 & 71.49 & 74.77 & 78.13 & 81.58 & 85.12 & 88.74 & 92.45 & 96. \\ 17 & 68.08 & 71.23 & 74.46 & 77.78 & 81.19 & 84.69 & 88.27 & 91.93 & 95.69 & 99. \\ 18 & 71.06 & 74.25 & 77.52 & 80.89 & 84.34 & 87.88 & 91.50 & 95.21 & 99.01 & 102. \\ 19 & 74.12 & 77.35 & 80.67 & 84.08 & 87.57 & 91.15 & 94.82 & 98.57 & 102.41 & 106. \\ 20 & 77.27 & 80.54 & 83.91 & 87.36 & 90.89 & 94.52 & 98.23 & 102.02 & 105.91 & 109. \\ 21 & 80.50 & 83.82 & 87.23 & 90.72 & 94.30 & 97.97 & 101.72 & 105.56 & 109.49 & 113. \\ 22 & 83.82 & 87.19 & 90.64 & 94.17 & 97.80 & 101.51 & 105.30 & 109.18 & 113.15 & 117. \\ 23 & 87.23 & 90.64 & 94.13 & 97.71 & 101.38 & 105.13 & 108.97 & 112.89 & 116.91 & 121. \\ 24 & 90.72 & 94.17 & 97.71 & 101.38 & 105.04 & 108.84 & 112.72 & 116.69 & 120.75 & 124. \\ 25 & 94.30 & 97.80 & 101.38 & 105.04 & 108.84 & 112.64 & 116.56 & 120.57 & 124.67 & 128. \\ 26 & 97.97 & 101.51 & 105.13 & 108.84 & 112.64 & 116.52 & 120.49 & 124.54 & 128.68 & 132.78 & 137. \\ 27 & 101.72 & 105.30 & 108.97 & 112.72 & 116.56 & 120.49 & 124.54 & 128.68 & 132.78 & 137. \\ 28 & 105.56 & 109.18 & 112.89 & 116.69 & 120.57 & 124.64 & 128.60 & 132.74 & 136.97 & 141. \\ 29 & 109.49 & 113.15 & 116.91 & 120.75 & 124.67 & 128.68 & 132.78 & 136.97 & 141.24 & 145. \\ 30 & 113.50 & 117.21 & 121.01 & 124.89 & 128.86 & 132.78 & 136.97 & 141.24 & 145. \\ 30 & 113.50 & 117.21 & 121.01 & 124.89 & 128.86 & 132.78 & 136.97 & 141.24 & 145. \\ 30 & 113.50 & 117.21 & 121.65 & 166.95 & 166.95 & 159.95 & 1164.15 & 168.68 & 173. \\ 31 & 14.60 & 129.89 & 133.82 & 137.83 & 141.93 & 146.12 & 150.39 & 154.75 & 159.91 & 163. \\ 31 & 14.60 & 129.89 & 133.82 & 137.83 & 141.93 & 146.12 & 150.39 & 154.75 & 159.91 & 163. \\ 32 & 121.78 & 125.76 & 156.91 & 161.44 & 155.45 & 169.85 & 174.34 & 178.91 & 178.52 & 183. \\ 34 & 130.41 & 134.80 & 138.27 & 142.32 & 146.64 & 150.69 & 155.01 & 159.41 & 163.89 & 168. \\ 35 & 134.86 & 138.78 & 142.80 & 146.89 & 151.08 & 155.55 & 159.71 & 164.51 & 168.68 & 173. \\ 36 & 139.89 & 143.36 & 147.41 & 151.56 & 155.78 & 160.10 & 164.50 & 168.99 & $			N = 60 (4) (4) (4)		100000000000000000000000000000000000000	12.5						
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$\begin{array}{c} 18 \\ 71.06 \\ 74.12 \\ 77.35 \\ 80.67 \\ 84.08 \\ 87.57 \\ 91.15 \\ 94.52 \\ 98.57 \\ 101.5 \\ 94.82 \\ 98.57 \\ 102.21 \\ 105.56 \\ 109.49 \\ 113.15 \\ 112.01 \\ 112.01 \\ 124.89 \\ 125.58 \\ 129.46 \\ 138.27 \\ 124.67 \\ 124$												
$\begin{array}{c} 19 & 74.12 & 77.35 & 80.67 & 84.08 & 87.57 & 91.15 & 94.82 & 98.57 & 102.41 & 106. \\ 20 & 77.27 & 80.54 & 83.91 & 87.36 & 90.89 & 94.52 & 98.23 & 102.02 & 105.91 & 109. \\ 21 & 80.50 & 83.82 & 87.23 & 90.72 & 94.30 & 97.97 & 101.72 & 105.56 & 109.49 & 113. \\ 22 & 83.82 & 87.19 & 90.64 & 94.17 & 97.80 & 101.51 & 105.30 & 109.18 & 113.15 & 117. \\ 23 & 87.23 & 90.64 & 94.17 & 97.71 & 101.38 & 105.13 & 108.97 & 112.89 & 116.91 & 121. \\ 24 & 90.72 & 94.17 & 97.71 & 101.38 & 105.04 & 108.84 & 112.72 & 116.69 & 120.75 & 124. \\ 25 & 94.30 & 97.80 & 101.38 & 105.04 & 108.80 & 112.64 & 116.56 & 120.57 & 124.67 & 128. \\ 26 & 97.97 & 101.51 & 105.13 & 108.84 & 112.64 & 116.52 & 120.49 & 124.50 & 128.60 & 132.78 & 137. \\ 28 & 105.56 & 109.18 & 112.89 & 116.69 & 120.57 & 124.64 & 128.60 & 132.78 & 137. \\ 28 & 105.56 & 109.18 & 112.89 & 116.69 & 120.57 & 124.64 & 128.60 & 132.78 & 137. \\ 29 & 109.49 & 113.15 & 116.91 & 120.75 & 124.67 & 128.68 & 132.78 & 136.97 & 141.24 & 145. \\ 30 & 113.50 & 117.21 & 121.01 & 124.89 & 128.86 & 132.91 & 137.06 & 141.28 & 145.60 & 150. \\ 31 & 117.60 & 121.35 & 125.19 & 129.12 & 133.13 & 137.29 & 141.41 & 145.68 & 150.04 & 154. \\ 32 & 121.78 & 125.58 & 129.46 & 133.43 & 137.49 & 141.63 & 145.86 & 150.77 & 154.57 & 159. \\ 33 & 126.06 & 129.89 & 133.82 & 137.83 & 141.93 & 146.12 & 150.39 & 154.75 & 159.19 & 163. \\ 34 & 130.41 & 134.30 & 138.27 & 142.32 & 146.46 & 150.69 & 155.01 & 159.41 & 163.89 & 168. \\ 35 & 134.86 & 138.78 & 142.80 & 146.89 & 151.08 & 155.36 & 159.71 & 164.15 & 168.68 & 173. \\ 36 & 139.39 & 143.36 & 147.41 & 151.56 & 155.78 & 160.10 & 164.50 & 168.99 & 173.56 & 178. \\ 37 & 144.01 & 148.02 & 152.12 & 156.30 & 160.57 & 164.93 & 169.38 & 173.91 & 178.52 & 183. \\ 38 & 148.71 & 152.76 & 156.91 & 161.14 & 165.45 & 169.85 & 174.34 & 178.91 & 183.57 & 188. \\ 39 & 153.50 & 157.60 & 161.78 & 166.65 & 157.46 & 179.95 & 184.52 & 189.18 & 193.93 & 198. \\ 41 & 163.34 & 167.52 & 171.80 & 176.15 & 180.60 & 185.13 & 189.75 & 194.45 & 199.24 & 204.62 & 199.24 & 204.62 & 199.24 & 204.62 & $												
21 80.50 83.82 87.23 90.72 94.30 97.97 101.72 105.56 109.49 113. 22 83.82 87.19 90.64 94.17 97.80 101.51 105.30 109.18 113.15 117. 23 87.23 90.64 94.13 97.71 101.38 105.13 108.97 112.89 116.91 121. 24 90.72 94.17 97.71 101.38 105.04 108.84 112.72 116.69 120.75 124. 25 94.30 97.80 101.38 105.04 108.80 112.64 116.56 120.57 124.67 128. 26 97.97 101.51 105.13 108.84 112.64 116.52 120.49 124.54 128.68 132. 27 101.72 105.30 108.97 112.72 116.56 120.49 124.50 128.60 132.78 137. 28 105.56 109.49 113.15 116.91 120.75 124. 64 126.56 120.57 124.54 128.68 132. 29 109.49 113.15 116.91 120.75 124.64 128.60 132.74 136.97 141. 29 109.49 113.15 116.91 120.75 124.64 128.60 132.74 136.97 141. 24 145. 30 113.50 117.21 121.01 124.89 128.86 132.91 137.06 141.28 145.60 150. 31 117.60 121.35 125.19 129.12 133.13 137.23 141.41 145.68 150.04 154. 32 121.78 125.58 129.46 133.43 137.49 141.63 145.86 150.17 154.57 159. 31 126.06 129.89 133.82 137.83 141.93 146.12 150.39 154.75 159. 19 163. 34 130.41 134.80 138.27 142.22 146.46 150.69 155.01 159.41 163.89 168. 34 130.41 134.80 138.27 142.22 146.46 150.69 155.01 159.41 163.89 168. 36 134.86 138.78 142.80 146.89 151.08 155.35 159.71 164.15 168.68 173. 37 144.01 148.02 152.12 156.30 160.57 164.93 169.38 173.91 173.56 178. 38 148.71 152.76 156.91 161.14 165.45 169.85 174.34 178.91 183.57 188. 39 153.50 157.60 161.78 166.05 170.41 174.86 179.39 184.01 188.71 193. 40 158.88 162.52 166.75 171.06 175.46 179.95 184.52 189. 18 193.93 198. 41 163.84 167.52 171.80 176.15 180.60 185.13 189.75 194.45 199.24 204. 42 168.39 172.62 176.93 181.33 185.82 190.39 195.05 199.80 204.63 299. 447 194.93 199.88 203.91 208.52 213.23 218.02 222.89 227.86 232.13 42 26. 46 189.45 193.85 198.34 202.91 207.57 212.32 217.15 222.07 227.08 232. 47 194.93 199.88 203.91 208.52 218.97 223.80 222.89 227.86 232.91 228.44 49 206.15 150.16 151.60 122.81 12.22 189.79 23.80 222.89 227.86 232.91 228.44 292.05 120.50 204.99 209.56 214.22 188.92 292.87 23.80 228.72 23.80 237.86 234.82 255.				80.67	84.08	87.57	91.15	94.82	98.57			
82 83.82 87.19 90.64 94.17 97.80 101.51 105.30 109.18 113.15 117. 23 87.23 90.64 94.13 97.71 101.38 105.13 108.97 112.89 116.91 121. 24 90.72 94.17 97.71 101.38 105.04 108.84 112.72 116.69 120.57 124.67 128. 25 94.30 97.80 101.38 105.04 108.80 112.64 116.56 120.57 124.67 128. 26 97.97 101.51 105.13 108.84 112.64 116.52 120.49 124.54 128.68 182. 27 101.72 105.30 108.97 112.72 116.56 120.49 124.50 128.60 132.78 137. 28 105.56 109.18 112.89 116.69 120.57 124.64 128.60 132.74 136.97 141. 29 109.49 113.15 116.91 120.75 124.67 128.68 132.78 136.97 141.24 145.30 113.50 117.21 121.01 124.89 128.86 132.91 137.06 141.28 145.60 150. 31 117.60 121.35 125.19 129.12 133.13 137.23 141.41 145.68 150.04 154.82 121.78 125.58 129.46 133.43 137.49 141.63 145.86 150.17 154.57 159. 33 126.06 129.89 133.82 137.83 141.93 146.12 150.39 154.75 159.19 163.84 130.44 134.30 138.27 142.22 146.46 150.69 155.01 159.41 163.89 168. 36 134.86 138.78 142.80 146.89 151.08 155.35 159.71 164.15 168.68 173. 36 139.39 143.36 147.41 151.56 155.78 160.10 164.50 168.99 173.56 178. 37 144.01 148.02 152.12 156.30 160.57 164.93 169.38 173.91 178.52 183. 38 148.71 152.76 156.91 161.14 165.45 169.85 174.34 178.91 183.57 188. 39 153.50 157.60 161.78 166.05 170.41 174.86 179.39 184.01 188.71 189. 40 158.38 162.52 166.75 171.06 175.46 179.95 184.52 189.18 193.93 198. 41 163.34 167.52 171.80 176.15 180.60 185.13 189.75 194.45 199.24 204.47 187.55 188.01 188.71 199.24 204.47 187.55 188.01 188.71 199.24 204.47 187.55 188.01 188.71 199.24 204.47 187.55 188.01 188.71 199.28 199.39 195.55 199.80 204.63 209.44 178.75 188.01 199.88 203.91 208.52 213.23 218.02 222.89 227.86 232.91 218.84 226.05 204.99 209.56 214.22 218.97 223.80 228.72 233.73 238.82 244.49 206.50 204.99 209.56 214.22 189.97 23.80 228.72 233.68 224.89 226.66 150.16	20	77.27	80.54	83.91	87.36	90.89	94.52	98.23	102.02	105.91	109.88	20
22 83.82 87.19 90.64 94.17 97.80 101.51 105.30 109.18 113.15 117. 24 90.72 94.17 97.71 101.38 105.04 108.84 112.72 116.69 120.75 124. 25 94.30 97.80 101.38 105.04 108.80 112.64 116.56 120.57 124.67 128. 26 97.97 101.51 105.13 108.84 112.64 116.52 120.49 124.54 128.68 182. 27 101.72 105.30 108.97 112.72 116.56 120.49 124.50 128.60 132.78 187. 28 105.56 109.18 112.89 116.69 120.57 124.54 128.60 132.78 187. 29 109.49 113.15 116.91 120.75 124.67 128.68 132.28 136.97 141.24 145. 30 113.50 117.21 121.01 124.89 128.86 132.91 137.06 141.28 145.60 150. 31 117.60 121.35 125.19 129.12 133.13 137.23 141.41 145.68 150.04 154. 32 121.78 125.58 129.46 133.43 137.49 141.63 145.86 150.17 154.57 159. 33 126.06 129.89 133.82 137.83 141.93 146.12 150.39 154.75 159.19 163. 34 130.41 134.30 138.27 142.32 146.46 150.69 155.01 159.41 163.89 168. 35 134.86 138.78 142.80 146.89 151.08 155.35 159.71 164.15 168.68 173. 36 139.39 143.36 147.41 151.56 155.78 160.10 164.50 168.99 173.56 178. 37 144.01 148.02 152.12 156.30 160.57 164.93 169.88 173.91 178.52 183. 39 153.50 157.60 161.78 166.05 170.41 174.86 179.39 184.01 188.71 193.40 158.38 162.52 166.75 171.06 175.46 179.95 184.52 189.18 193.93 198. 41 163.34 167.52 171.80 176.15 180.60 185.13 189.75 194.45 199.24 204.47 18.52 177.80 182.17 186.50 191.13 195.75 200.45 202.04 63209. 44 178.75 183.06 187.46 191.95 196.52 201.18 205.93 210.76 215.68 220.45 184.05 188.41 192.86 197.39 202.01 206.71 211.50 222.07 227.08 232.47 194.94 199.88 203.91 208.52 213.23 218.02 222.89 227.86 232.91 288. 440 158.84 199.88 199.88 203.91 208.52 218.29 228.80 228.72 23.80 227.86 232.91 288. 440 206.15 210.68 215.30 220.01 224.80 229.87 234.63 239.68 244.82 255.				87.23	90.72		97.97	101.72	105.56	109.49	113.50	21
$\begin{array}{c} 24 & 90.72 \\ 25 & 94.30 \\ 97.80 \\ 101.38 \\ 105.04 \\ 108.80 \\ 112.64 \\ 116.56 \\ 120.57 \\ 124.67 \\ 128.68 \\ 132.77 \\ 101.51 \\ 105.13 \\ 108.97 \\ 112.72 \\ 116.56 \\ 120.49 \\ 124.50 \\ 128.60 \\ 129.49 \\ 124.50 \\ 128.60 \\ 132.78 \\ 132.78 \\ 132.79 \\ 132.78 \\ 132.79 $		4 4 4 4	100000			97.80	101.51	105.30	109.18	113.15	117.21	22
$\begin{array}{c} 25 94.30 97.80 101.38 105.04 108.80 112.64 116.56 120.57 124.67 128.62 97.97 101.51 105.13 108.84 112.64 116.52 120.49 124.54 128.68 182.71 101.72 105.30 108.97 112.72 116.56 120.49 124.50 128.60 132.78 187.22 101.55 109.18 112.89 116.69 120.57 124.54 128.60 132.74 136.97 141.29 109.49 113.15 116.91 120.75 124.67 128.68 132.74 136.97 141.29 109.49 113.15 116.91 120.75 124.67 128.68 132.78 136.97 141.24 145.60 132.78 136.97 141.24 145.60 132.78 136.97 141.24 145.60 132.78 136.97 141.24 145.60 132.78 145.60 150.04 154.29 145.25 129.46 138.34 137.29 141.41 145.68 150.04 154.29 129.12 138.13 137.23 141.41 145.68 150.04 154.29 145.60 129.89 138.82 137.83 141.93 146.12 150.39 155.17 154.57 159.29 156.06 129.89 138.82 137.83 141.93 146.12 150.39 155.97 154.57 159.29 166.20 129.89 138.82 137.83 141.93 146.12 150.39 155.97 159.41 163.89 166.20 141.49 141$			100000000000000000000000000000000000000									
$\begin{array}{c} 26 \\ 97.97 \\ 101.51 \\ 105.30 \\ 108.97 \\ 112.72 \\ 116.56 \\ 120.49 \\ 124.50 \\ 128.60 \\ 132.74 \\ 136.97 \\ 141. \\ 241.55 \\ 2120.49 \\ 124.50 \\ 128.60 \\ 132.78 \\ 137. \\ 2120.49 \\ 124.50 \\ 128.60 \\ 132.78 \\ 137. \\ 138.27 \\ 141.2 \\ 141.24 \\ 145.60 \\ 150.49 \\ 131.5 \\ 141.2 \\ 141.24 \\ 145.60 \\ 150.49 \\ 131.5 \\ 141.2 \\ 141.24 \\ 145.60 \\ 150.49 \\ 141.28 \\ 141.24 \\ 145.60 \\ 150.40 \\ 150.40 \\ 141.28 \\ 145.60 \\ 150.40 \\ 141.28 \\ 145.60 \\ 150.40 \\ 141.24 \\ 145.60 \\ 150.40 \\ 145.60 \\ 1$												
$\begin{array}{c} 27 \ 101. \ 72 \ 105. \ 30 \ 108. \ 97 \ 112. \ 72 \ 116. \ 56 \ 120. \ 99 \ 124. \ 50 \ 128. \ 60 \ 132. \ 78 \ 137. \ \\ 28 \ 105. \ 56 \ 109. \ 18 \ 112. \ 89 \ 116. \ 69 \ 120. \ 57 \ 124. \ 54 \ 128. \ 60 \ 132. \ 74 \ 136. \ 97 \ 141. \ \\ 29 \ 109. \ 49 \ 113. \ 15 \ 116. \ 91 \ 120. \ 75 \ 124. \ 67 \ 128. \ 68 \ 132. \ 78 \ 136. \ 97 \ 141. \ 24 \ 141. \ 28 \ 141. \ 28 \ 141. \ 28 \ 142. \ 80 \ 132. \ 78 \ 136. \ 97 \ 141. \ 24 \ 141. \ 28 \ 141. \ 28 \ 142. \ 80 \ 132. \ 78 \ 136. \ 97 \ 141. \ 24 \ 141. \ 28 \ 142. \ 80 \ 132. \ 78 \ 136. \ 97 \ 141. \ 24 \ 141. \ 28 \ 142. \ 80 \ 132. \ 78 \ 136. \ 97 \ 141. \ 24 \ 141. \ 28 \ 142. \ 80 \ 141. \ 28 \ 142. \ 81 \ 142. \ 81 \ 142. \ 81 \ 142. \ 81 \ 141. \ 41 \ 145. \ 68 \ 150. \ 04 \ 154. \ 60 \ 150. \ 17 \ 154. \ 57 \ 159. \ 191. \ 152. \ 12 \ 152. \ 181. \$	7	13.457.43		7 7 7 7 7 7					100000		the state of the s	
$\begin{array}{c} 28105.56109.18112.89116.69120.57124.54128.60132.74136.97141.\\ 29109.49113.15116.91120.75124.67128.68132.78136.97141.24145.\\ 30113.50117.21121.01124.89128.86132.91137.06141.28145.60150.\\ 31117.60121.35125.19129.12133.13137.29141.41145.68150.04154.\\ 32121.78125.58129.46133.43137.49141.63145.86150.17154.57159.\\ 33126.06129.89133.82137.83141.93146.12150.39154.75159.91163.\\ 34130.41134.30138.27142.32146.46150.69155.01159.41163.89168.\\ 36134.86138.78142.80146.89151.08155.35159.71164.15168.68173.\\ 36139.39143.36147.41151.56155.78160.10164.50168.99173.56178.\\ 37144.01148.02152.12156.30160.57164.93169.38173.91178.56178.\\ 37144.01148.02152.12156.30160.57164.93169.38173.91178.52183.\\ 38148.71152.76156.91161.14165.45169.85174.34178.91183.57188.\\ 40158.88162.52166.75171.06175.46179.95184.52189.18193.93198.\\ 41163.34167.52171.80166.55170.40118.79.95184.52189.18193.93198.\\ 41163.34167.52171.80176.15180.60185.13189.75194.45199.24204.\\ 42168.99172.62176.93181.33185.82199.99195.05199.80204.63299.\\ 43173.52177.80182.15186.60191.13195.75200.45205.24210.12215.68220.\\ 45184.05188.41192.86197.99202.01206.71211.50216.38221.34226.\\ 46189.45193.88103.93190.852213.23218.02222.89227.86232.91288.\\ 47194.93199.88203.91208.52213.23218.02222.89227.86232.91288.\\ 49206.15210.68221.30220.01224.80229.67234.63239.68244.82250.\\ 49206.15210.68221.30220.01224.80229.67234.63239.68244.82250.\\ 49206.15210.68215.30220.01224.80229.67234.63239.68244.82250.\\ 49206.15210.68215.30220.01224.80229.67234.63239.68244.82250.\\ 49206.15210.68215.30220.01224.80229.67234.6$			101.51	109.15	119 79	116 56	120.02	120.49	124.54	128.68	132.91	26
$\begin{array}{c} 29109. 49 113. 15 116. 91 120. 75 124. 67 128. 68 132. 78 136. 97 141. 24 145. 60 135. 50 117. 21 121. 10 124. 89 128. 86 132. 91 137. 06 141. 28 145. 60 150. 30 117. 60 121. 35 125. 19 129. 46 133. 43 137. 29 141. 41 41 45. 68 150. 17 154. 57 159. 33 126. 66 129. 89 133. 82 137. 83 141. 93 146. 12 150. 39 154. 75 159. 19 163. 34 130. 41 134. 30 138. 27 142. 32 146. 46 150. 69 155. 01 159. 41 163. 89 168. 34 130. 41 134. 30 147. 41 151. 56 155. 78 160. 10 164. 50 168. 99 173. 56 178. 38 144. 01 148. 02 152. 12 156. 30 160. 57 164. 91 169. 89 179. 89 178. 52 188. 38 148. 71 152. 76 161. 71 161. 71 166. 65 170. 41 174. 66 179. 39 184. 01 188. 71 193. 40 158. 38 162. 52 166. 75 171. 06 175. 46 179. 95 184. 52 189. 18 193. 93 198. 41 163. 34 167. 52 171. 80 176. 15 180. 60 185. 13 189. 75 194. 45 199. 24 204. 42 168. 39 177. 80 182. 15 186. 60 191. 13 195. 75 200. 45 205. 24 210. 221. 32 215. 44 178. 75 183. 60 187. 46 191. 95 186. 52 201. 18 205. 93 210. 76 216. 68 220. 46 189. 45 199. 88 203. 91 208. 52 213. 23 218. 02 222. 89 227. 86 232. 91 238. 44 49 206. 15 210. 68 215. 30 200. 10 224. 40 242. 48 200. 50 204. 99 209. 50 224. 20. 91 224. 40 24 $	28	105.56	109.18	112.89	116.69	120.57	124.54	128.60	132 74	136 97	141 98	27
$\begin{array}{c} 30 \ 113.50 \ 117.21 \ 121.01 \ 124.89 \ 128.86 \ 132.91 \ 137.06 \ 141.28 \ 145.60 \ 150. \\ 31 \ 117.60 \ 121.35 \ 125.19 \ 129.12 \ 133.13 \ 137.23 \ 141.41 \ 145.68 \ 150.04 \ 154.53 \ 121.78 \ 125.58 \ 129.46 \ 133.43 \ 137.49 \ 141.63 \ 145.86 \ 150.17 \ 154.57 \ 159.19 \ 163.34 \ 130.41 \ 134.30 \ 138.27 \ 142.32 \ 146.46 \ 150.69 \ 155.01 \ 159.41 \ 163.89 \ 168.35 \ 134.86 \ 138.78 \ 142.80 \ 146.89 \ 151.08 \ 155.35 \ 159.71 \ 164.15 \ 168.68 \ 173.36 \ 189.39 \ 143.36 \ 147.41 \ 151.56 \ 155.78 \ 160.10 \ 164.50 \ 168.99 \ 173.56 \ 178.37 \ 144.01 \ 148.02 \ 152.12 \ 156.30 \ 160.57 \ 164.93 \ 169.38 \ 173.91 \ 178.52 \ 183.36 \ 148.71 \ 152.76 \ 156.91 \ 161.14 \ 165.45 \ 169.85 \ 174.34 \ 178.91 \ 178.52 \ 183.36 \ 183.57 \ 188.39 \ 153.50 \ 157.60 \ 161.78 \ 166.05 \ 170.41 \ 174.86 \ 179.39 \ 184.01 \ 188.71 \ 193.40 \ 158.38 \ 162.52 \ 166.75 \ 171.06 \ 175.46 \ 179.95 \ 184.52 \ 189.18 \ 193.93 \ 198.41 \ 163.34 \ 167.52 \ 171.80 \ 176.15 \ 180.60 \ 185.13 \ 189.75 \ 194.45 \ 199.24 \ 204.42 \ 168.39 \ 177.80 \ 182.15 \ 186.60 \ 191.13 \ 195.75 \ 200.45 \ 205.24 \ 210.12 \ 156.68 \ 220.44 \ 178.75 \ 183.06 \ 187.46 \ 191.95 \ 196.52 \ 201.18 \ 205.93 \ 210.76 \ 215.68 \ 220.44 \ 178.75 \ 183.85 \ 198.34 \ 202.91 \ 207.57 \ 212.32 \ 217.15 \ 222.07 \ 277.08 \ 232.47 \ 194.93 \ 199.88 \ 203.91 \ 208.52 \ 218.97 \ 223.80 \ 228.72 \ 233.73 \ 238.82 \ 244.49 \ 206.50 \ 204.99 \ 209.56 \ 244.82 \ 225.07 \ 227.48$	29	109.49	113.15	116.91	120.75	124.67	128,68	132.78	136.97	141.24	145.60	99
$\begin{array}{c} 32 \ 121 \ .78 \ \ 125 \ .58 \ \ 129 \ .46 \ \ 133 \ .48 \ \ 137 \ .49 \ \ 141 \ .63 \ \ 145 \ .86 \ \ 150 \ .17 \ \ 154 \ .57 \ \ 159 \ .89 \ \ 133 \ .82 \ \ 137 \ .83 \ \ 141 \ .93 \ \ 146 \ .12 \ \ 150 \ .93 \ \ 155 \ .93 \ \ 155 \ .91 \ \ 155 \ .19 \ \ 168 \ .89 \ \ 169 \ .38 \ \ 133 \ .82 \ \ 142 \ .80 \ \ 148 \ .80 \ \ 155 \ .55 \ \ 159 \ .71 \ \ 164 \ .15 \ \ 168 \ .68 \ \ 173 \ .37 \ \ 144 \ .01 \ \ 148 \ .02 \ \ 152 \ .12 \ \ 156 \ .30 \ \ 160 \ .57 \ \ 164 \ .93 \ \ 169 \ .38 \ \ 173 \ .91 \ \ 178 \ .52 \ \ 183 \ .38 \ \ 148 \ .71 \ \ 155 \ .50 \ \ 155 \ .78 \ \ 160 \ .10 \ \ 164 \ .50 \ \ 168 \ .99 \ \ 173 \ .56 \ \ 178 \ .30 \ \ 153 \ .50 \ \ 157 \ .60 \ \ 161 \ .14 \ \ 165 \ .45 \ \ 169 \ .85 \ \ 174 \ .34 \ \ 178 \ .91 \ \ 183 \ .57 \ \ 188 \ .30 \ \ 153 \ .50 \ \ 157 \ .60 \ \ 161 \ .76 \ \ 157 \ .76 \ \ 166 \ .05 \ \ 170 \ .95 \ \ 184 \ .52 \ \ 189 \ .18 \ \ 183 \ .57 \ \ 188 \ .34 \ \ 163 \ .38 \ \ 162 \ .52 \ \ 166 \ .75 \ \ 171 \ .06 \ \ 175 \ .46 \ \ 179 \ .95 \ \ 184 \ .52 \ \ 189 \ .18 \ \ 189 \ .39 \ \ 188 \ .34 \ \ 189 \ .75 \ \ 194 \ .45 \ \ 189 \ .20 \ .44 \ \ 173 \ .52 \ \ 171 \ .80 \ \ 181 \ .33 \ \ 185 \ .82 \ \ 190 \ .39 \ \ 195 \ .05 \ \ 199 \ .80 \ \ 204 \ .63 \ \ 209 \ .44 \ \ 173 \ .52 \ \ 171 \ .80 \ \ 181 \ .33 \ \ 185 \ .82 \ \ 190 \ .39 \ \ 195 \ .05 \ \ 199 \ .80 \ \ 204 \ .63 \ \ 209 \ .44 \ \ 181 \ .33 \ \ 185 \ .82 \ \ 180 \ .39 \ \ 181 \ .33 \ \ 185 \ .82 \ \ 180 \ .39 \ \ 181 \ .33 \ \ 185 \ .38 \ \ 185 \ .38 \ \ 181 \ .33 \ \ 185 \ .38 \ $												
$\begin{array}{c} 32 \ 121 \ .78 \ 125 \ .58 \ 129 \ .46 \ 133 \ .48 \ 137 \ .49 \ 141 \ .63 \ 145 \ .86 \ 150 \ .17 \ 154 \ .57 \ 159 \\ 33 \ 126 \ .06 \ 129 \ .89 \ 133 \ .82 \ 137 \ .83 \ 141 \ .93 \ 146 \ .12 \ 150 \ .93 \ 155 \ .03 \ 155 \ .41 \ 153 \ .89 \ 163 \\ 35 \ 134 \ .86 \ 138 \ .78 \ 142 \ .80 \ 146 \ .89 \ 151 \ .08 \ 155 \ .55 \ 159 \ .71 \ 164 \ .15 \ 168 \ .68 \ 173 \\ 36 \ 139 \ .39 \ 143 \ .36 \ 147 \ .41 \ 151 \ .56 \ 155 \ .78 \ 160 \ .10 \ 164 \ .50 \ 168 \ .99 \ 173 \ .56 \ 178 \\ 37 \ 144 \ .01 \ 148 \ .02 \ 152 \ .12 \ 156 \ .30 \ 160 \ .57 \ 164 \ .93 \ 169 \ .38 \ 173 \ .91 \ 178 \ .52 \ 183 \\ 38 \ 148 \ .71 \ 152 \ .76 \ 156 \ .91 \ 161 \ .14 \ 165 \ .45 \ 169 \ .85 \ 174 \ .34 \ 178 \ .91 \ 183 \ .57 \ 188 \\ 39 \ 153 \ .50 \ 157 \ .60 \ 161 \ .78 \ 166 \ .05 \ 170 \ .41 \ 174 \ .86 \ 179 \ .39 \ 184 \ .01 \ 188 \ .71 \ 193 \\ 40 \ 158 \ .38 \ 162 \ .52 \ 166 \ .75 \ 171 \ .06 \ 175 \ .46 \ 179 \ .95 \ 184 \ .52 \ 189 \ .18 \ 193 \ .39 \ 198 \\ 41 \ 163 \ .34 \ 167 \ .52 \ 171 \ .80 \ 176 \ .15 \ 180 \ .60 \ 185 \ .13 \ 189 \ .75 \ 194 \ .45 \ 199 \ .24 \ 204 \\ 42 \ 168 \ .39 \ 172 \ .62 \ 176 \ .93 \ 181 \ .33 \ 185 \ .82 \ 190 \ .39 \ 195 \ .05 \ 199 \ .80 \ 204 \ .63 \ 209 \\ 42 \ 168 \ .39 \ 177 \ .80 \ 182 \ .15 \ 186 \ .60 \ 191 \ .13 \ 195 \ .75 \ 200 \ .45 \ 205 \ .24 \ 210 \ .12 \ .15 \ .68 \ 220 \\ 45 \ 184 \ .05 \ 188 \ .41 \ 192 \ .86 \ 197 \ .39 \ 202 \ .01 \ 206 \ .71 \ 211 \ .50 \ 216 \ .38 \ 221 \ .34 \ 226 \\ 46 \ 189 \ .45 \ 193 \ .85 \ 198 \ .34 \ 202 \ .91 \ 207 \ .57 \ 212 \ .32 \ 217 \ .15 \ 222 \ .07 \ 277 \ .08 \ 232 \ .37 \ .38 \ .82 \ 244 \ .49 \ 206 \ .15 \ 201 \ .15 \ .30 \ .220 \ .01 \ .224 \ .82 \ .23 \ .82 \ .244 \ .49 \ .206 \ .15 \ .15 \ .30 \ .220 \ .01 \ .224 \ .24 \ .24 \ .25 \ .25 \ .26 \ .24 \ .22 \ .28 \ .22 \ .27 \ .28 \ .23 \ .37 \ .38 \ .82 \ .24 \ .49 \ .206 \ .15 \ .15 \ .30 \ .220 \ .01 \ .24 \ .24 \ .82 \ .25 $	31	117.60	121.35	125.19	129.12	133.13	137.23	141.41	145.68	150.04	154, 49	31
$\begin{array}{c} 34 130 .41 134 .30 138 .27 142 .32 146 .46 150 .69 155 .01 159 .41 163 .89 168 .35 134 .86 138 .78 142 .80 146 .89 151 .08 155 .35 159 .71 164 .15 168 .68 173 .36 139 .36 147 .41 151 .56 155 .78 160 .10 164 .50 168 .99 173 .56 173 .37 144 .01 148 .02 152 .12 156 .30 160 .57 164 .93 169 .38 173 .91 178 .52 183 .38 148 .71 152 .76 156 .91 161 .14 165 .45 169 .85 174 .34 178 .91 183 .57 188 .39 153 .50 157 .60 161 .78 166 .05 170 .41 174 .86 179 .39 184 .01 188 .71 193 .40 158 .88 162 .52 166 .75 171 .06 175 .46 179 .95 184 .52 189 .18 193 .93 198 .41 163 .34 167 .52 176 .93 181 .33 185 .82 190 .39 195 .05 199 .80 204 .63 209 .43 173 .52 177 .80 182 .15 186 .60 191 .13 195 .75 200 .45 205 .24 210 .22 126 .32 .45 184 .05 188 .41 192 .86 197 .39 202 .01 206 .71 211 .50 216 .38 221 .34 226 .46 189 .45 193 .85 198 .34 202 .91 207 .57 212 .32 217 .15 222 .07 227 .08 232 .47 194 .93 199 .38 203 .91 208 .52 213 .23 218 .02 222 .89 227 .86 232 .91 238 .44 .92 .96 .56 152 10 .68 215 .30 .52 .00 .01 224 .80 .80 .50 242 .210 .88 .82 .244 .49 206 .50 204 .99 209 .56 214 .22 188 .92 .80 228 .72 .23 .73 .38 .82 244 .49 206 .50 150 106 .50 .50 .24 .210 .08 .220 .00 .224 .210 .220 .210 .220 .00 .224 .210 .220 .210 .220 .210 .220 .210 .220 .210 .220 .210 .220 .210 .220 .210 .220 $	32	121.78	125.58	129,46	133.43	137.49	141.63	145.86	150.17	154.57	159.06	32
$\begin{array}{c} 36 \ 134.86 \ 138.78 \ 142.80 \ 146.89 \ 151.08 \ 155.35 \ 159.71 \ 164.15 \ 168.68 \ 173.\\ 36 \ 139.39 \ 143.36 \ 147.41 \ 151.56 \ 155.78 \ 160.10 \ 164.50 \ 168.99 \ 173.56 \ 178.\\ 37 \ 144.01 \ 148.02 \ 152.12 \ 156.30 \ 160.57 \ 164.93 \ 169.38 \ 173.91 \ 178.52 \ 183.\\ 38 \ 148.71 \ 152.76 \ 156.91 \ 161.14 \ 165.45 \ 169.85 \ 174.34 \ 178.91 \ 183.57 \ 183.\\ 39 \ 153.50 \ 157.60 \ 161.78 \ 166.05 \ 170.41 \ 174.86 \ 179.39 \ 184.01 \ 183.57 \ 183.\\ 40 \ 158.38 \ 162.52 \ 166.75 \ 171.06 \ 175.46 \ 179.95 \ 184.52 \ 189.18 \ 193.93 \ 198.\\ 41 \ 163.34 \ 167.52 \ 171.80 \ 176.15 \ 180.60 \ 185.13 \ 189.75 \ 194.45 \ 199.24 \ 204.\\ 42 \ 168.39 \ 172.62 \ 176.39 \ 181.33 \ 185.82 \ 190.39 \ 195.05 \ 199.80 \ 204.63 \ 209.\\ 42 \ 168.39 \ 177.80 \ 182.15 \ 186.60 \ 191.13 \ 195.75 \ 200.45 \ 205.24 \ 210.12 \ 154.44 \ 178.75 \ 183.06 \ 187.46 \ 191.95 \ 196.52 \ 201.18 \ 205.93 \ 210.76 \ 215.68 \ 220.\\ 45 \ 184.05 \ 188.41 \ 192.86 \ 197.39 \ 202.01 \ 206.71 \ 211.50 \ 216.38 \ 221.34 \ 226.\\ 46 \ 189.45 \ 193.85 \ 198.34 \ 202.91 \ 207.57 \ 212.32 \ 217.15 \ 222.07 \ 227.08 \ 232.\\ 47 \ 194.93 \ 199.38 \ 203.91 \ 208.52 \ 218.97 \ 223.80 \ 228.72 \ 233.73 \ 238.82 \ 244.99 \ 206.55 \ 201.68 \ 215.30 \ 220.01 \ 224.80 \ 228.72 \ 234.63 \ 239.68 \ 244.82 \ 256.\\ 49 \ 206.55 \ 201.68 \ 216.30 \ 220.01 \ 224.80 \ 229.67 \ 234.63 \ 239.68 \ 244.82 \ 256.\\ 40 \ 206.55 \ 201.68 \ 216.30 \ 220.01 \ 224.80 \ 229.67 \ 234.63 \ 239.68 \ 244.82 \ 256.\\ 40 \ 206.55 \ 201.68 \ 216.30 \ 220.01 \ 224.80 \ 229.67 \ 234.63 \ 239.68 \ 244.82 \ 256.\\ 40 \ 206.55 \ 201.48 \ 202.67 \ 201.48 \ 202.67 \ 201.48 \ 202.67 \ 201.88 \ 202.67 \ 201.88 \ 202.67 \ 201.88 \ $	33	126.06	129.89	133.82	137.83	141.93	146.12	150.39	154.75	159.19	163.72	33
$\begin{array}{c} 36 \\ 139, 39 \\ 143, 36 \\ 147, 41 \\ 151, 56 \\ 155, 78 \\ 160, 10 \\ 164, 50 \\ 164, 38 \\ 148, 01 \\ 148, 02 \\ 152, 12 \\ 156, 30 \\ 161, 14 \\ 165, 45 \\ 166, 91 \\ 161, 14 \\ 165, 45 \\ 166, 95 \\ 174, 34 \\ 178, 91 \\ 178, 52 \\ 183, 39 \\ 153, 50 \\ 157, 60 \\ 161, 78 \\ 166, 60 \\ 170, 40 \\ 179, 40 \\ 158, 38 \\ 162, 52 \\ 166, 75 \\ 171, 06 \\ 175, 46 \\ 179, 95 \\ 184, 52 \\ 188, 18 \\ 189, 39 \\ 188, 188 \\ 189, 39 \\ 198, 41 \\ 163, 34 \\ 167, 52 \\ 171, 80 \\ 176, 15 \\ 180, 60 \\ 185, 13 \\ 189, 75 \\ 194, 45 \\ 199, 24 \\ 204, 43 \\ 173, 52 \\ 177, 80 \\ 182, 15 \\ 186, 60 \\ 191, 13 \\ 195, 55 \\ 200, 18 \\ 206, 71 \\ 200, 45 \\ 206, 38 \\ 201, 34 \\ 206, 520, 34 \\ 209, 38 \\ 203, 91 \\ 208, 52 \\ 218, 97 \\ 221, 32 \\ 38, 222, 89 \\ 227, 86 \\ 322, 37, 328, 82 \\ 244 \\ 49 \\ 206, 152 \\ 166, 51 \\ 30 \\ 166, 51 \\ 170, 60 \\ 175, 46 \\ 179, 95 \\ 184, 52 \\ 189, 75 \\ 199, 45 \\ 199, 24 \\ 204, 43 \\ 206, 180, 34 \\ 206, 180, 34 \\ 206, 180, 34 \\ 206, 180, 34 \\ 206, 212, 32 \\ 218, 32 \\ 221, 32 \\ 218, 32 \\ 221, 32 \\ 218, 32, 37 \\ 328, 32 \\ 324, 325, 38 \\ 324, 325, 38 \\ 324, 325, 38 \\ 325, 318, 3224, 322 \\ 321, 328, 324, 3224, 322 \\ 321, 328, 324, 323, 33, 33, 33, 33, 33, 33, 33 \\ 324, 324, 324, 325, 324, 325, 324, 325, 324, 325, 325, 325, 328, 324, 324, 325, 325, 325, 325, 325, 324, 325, 325, 325, 325, 325, 325, 325, \mathbf$	34	130,41	134.30	138.27	142.32	146.46	150.69	155.01	159.41	163.89	168.47	34
$\begin{array}{c} 37144.40.1148.02 \ 152.12 \ 156.30 \ 160.57 \ 164.93 \ 169.85 \ 174.34 \ 178.91 \ 178.52 \ 183. \\ 38148.71 \ 152.76 \ 156.91 \ 161.14 \ 165.45 \ 169.85 \ 174.34 \ 178.91 \ 183.57 \ 188. \\ 39153.50 \ 157.60 \ 161.78 \ 166.05 \ 170.41 \ 174.86 \ 179.95 \ 184.52 \ 189.18 \ 193.93 \ 198. \\ 40158.38 \ 162.52 \ 166.75 \ 171.06 \ 175.46 \ 179.95 \ 184.52 \ 189.18 \ 193.93 \ 198. \\ 41163.34 \ 167.52 \ 171.80 \ 176.15 \ 180.60 \ 185.13 \ 189.75 \ 194.45 \ 199.24 \ 204. \\ 42168.39 \ 172.80 \ 182.15 \ 186.60 \ 191.13 \ 195.75 \ 200.45 \ 205.24 \ 205.24 \ 210.12 \ 209. \\ 44178.75 \ 183.06 \ 187.46 \ 191.95 \ 196.52 \ 201.18 \ 205.93 \ 210.76 \ 215.68 \ 220. \\ 45184.05 \ 188.41 \ 192.86 \ 197.39 \ 202.01 \ 206.71 \ 211.50 \ 216.38 \ 221.34 \ 226. \\ 46189.45 \ 193.85 \ 198.34 \ 202.91 \ 207.57 \ 212.32 \ 217.15 \ 222.07 \ 227.08 \ 232. \\ 47194.93 \ 199.38 \ 203.91 \ 208.52 \ 218.97 \ 223.80 \ 228.72 \ 233.73 \ 238.82 \ 244. \\ 49206.50 \ 204.99 \ 209.56 \ 214.22 \ 218.97 \ 223.80 \ 228.72 \ 233.73 \ 238.82 \ 244. \\ 49206.50 \ 201.68 \ 215.30 \ 220.01 \ 224.80 \ 229.67 \ 234.63 \ 239.68 \ 244.82 \ 256. \end{array}$												
$\begin{array}{c} 38148.71 \\ 152.76 \\ 156.01 \\ 157.60 \\ 161.78 \\ 166.05 \\ 170.41 \\ 174.86 \\ 179.95 \\ 184.52 \\ 189.18 \\ 189.18 \\ 188.71 \\ 193.31 \\ 198. \\ 181.35.7 \\ 188. \\ 181.35.7 \\ 188. \\ 181.35.7 \\ 188. \\ 181.35.7 \\ 188. \\ 181.35.7 \\ 188. \\ 181.35.7 \\ 188. \\ 181.35$	36	139.39	143.36	147.41	151.56	155.78	160.10	164.50	168.99	173,56	178, 22	36
$\begin{array}{c} 39153.50157.60161.78166.05170.41174.86179.39184.01188.71193. \\ 40158.38162.52166.75171.06175.46179.95184.52189.18193.93198. \\ 41163.34167.52171.80176.15180.60185.13189.75194.45199.241204. \\ 42168.39172.62176.93181.33185.82199.39195.05199.801204.631209. \\ 43173.52177.80182.15186.60191.13195.751200.451205.241210.1215. \\ 44178.75183.06187.46191.95196.52101.181205.931210.761215.681220. \\ 45184.05188.41192.86197.391202.011206.711211.501216.381221.341226. \\ 46189.45193.85198.341202.911207.571212.3217.151222.07127.081232. \\ 47194.93199.381203.91208.5218.2912.801222.89127.80123.801238. \\ 481200.501204.99199.909.56124.2218.97123.801228.72123.631239.681244.821250. \end{array}$	38	148.71	159 76	156 91	161 14	165 45	164.93	174 24	178.91	178.52	183.23	37
$ \begin{array}{c} 40 158. 38 162. 52 166. 75 171. 06 175. 46 179. 95 184. 52 189. 18 193. 93 198.\\ 41 163. 34 167. 52 171. 80 176. 15 180. 60 185. 18 189. 75 194. 45 199. 24 204.\\ 42 168. 39 172. 62 176. 93 181. 33 185. 82 190. 99 195. 05 199. 80 204. 63 204.\\ 43 173. 52 177. 80 182. 15 186. 60 191. 13 195. 75 200. 45 205. 24 210. 12 215.\\ 44 178. 75 183. 06 187. 46 191. 95 196. 52 201. 18 205. 93 210. 76 216. 68 220.\\ 45 184. 05 188. 41 192. 86 197. 39 202. 01 206. 71 211. 50 216. 38 221. 34 226.\\ 46 189. 45 193. 85 198. 34 202. 91 207. 57 212. 32 217. 15 222. 07 227. 08 232.\\ 47 194. 93 199. 38 203. 91 208. 52 213. 23 218. 02 222. 89 227. 86 232. 91 238.\\ 48 200. 50 204. 99 209. 56 214. 22 218. 97 223. 80 228. 72 233. 73 238. 82 244.\\ 49 206. 15 210. 68 215. 30 220. 01 224. 80 229. 67 234. 63 239. 68 244. 82 256. \end{array}$	39	153.50	157.60	161.78	166 05	170.41	174.86	179 39	184 01	188 71	103 50	38
$\begin{array}{c} 41 \\ 163 \\ 34 \\ 167 \\ 52 \\ 171 \\ 80 \\ 182 \\ 168 \\ 201 \\ 202 \\ 201 \\ 202 \\ 201 \\ 202 \\ 201 \\ 202 \\ 202 \\ 201 \\ 202 \\ 201 \\ 203 \\ 202 \\ 201 \\ 203 \\ 202 \\ 201 \\ 203$	40	158.38	162.52	166.75	171.06	175.46	179.95	184.52	189.18	193.93	198.76	40
$\begin{array}{c} 42 \\ 168.39 \\ 172.62 \\ 176.93 \\ 181.33 \\ 185.82 \\ 190.39 \\ 195.05 \\ 199.80 \\ 204.63 \\ 209. \\ 45 \\ 183.66 \\ 187.46 \\ 191.95 \\ 196.52 \\ 201.18 \\ 205.93 \\ 210.76 \\ 216.88 \\ 221.34 \\ 226. \\ 45 \\ 184.05 \\ 188.41 \\ 192.86 \\ 197.39 \\ 202.01 \\ 206.77 \\ 212.32 \\ 217.15 \\ 222.07 \\ 227.08 \\ 232. \\ 46 \\ 189.45 \\ 193.85 \\ 198.34 \\ 202.91 \\ 207.57 \\ 212.32 \\ 217.15 \\ 222.07 \\ 227.08 \\ 232.91 \\ 238.80 \\ 227.86 \\ 232.91 \\ 238.80 \\ 248.80 \\ 206.15 \\ 216.38 \\ 236.39 \\ 238.80 \\ 248.80 \\ 248.82 \\ 244.89 \\ 206.15 \\ 210.68 \\ 232.67 \\ 234.80 \\ 236.87 \\ 238.80 \\ 248.80 \\ 248.80 \\ 266.15 \\ 210.68 \\ 236.80 \\ 244.80 \\ 226.67 \\ 234.68 \\ 244.80 \\ 226.67 \\ 234.68 \\ 236.67 \\ 234.68 \\ 236.67 \\ 234.68 \\ 236.68 \\ 244.80 \\ 256.67 \\ 234.68 \\ 236.68 \\ 244.80 \\ 256.67 \\ 234.68 \\ 236.68 \\ 244.80 \\ 256.67 \\ 234.68 \\ 236.68 \\ 244.88 \\ 256.68 \\ 244.88 \\ 256.68 \\ 246.80 \\ $												
$ \begin{array}{c} 43 \\ 173 . 52 \\ 177 . 80 \\ 182 . 15 \\ 186 . 60 \\ 191 . 13 \\ 195 . 75 \\ 200 . 45 \\ 205 . 24 \\ 210 . 12 \\ 215 . 68 \\ 220 \\ 45 \\ 184 . 05 \\ 188 . 41 \\ 192 . 86 \\ 197 . 39 \\ 202 . 01 \\ 206 . 71 \\ 211 . 50 \\ 216 . 73 \\ 212 . 32 \\ 217 . 15 \\ 222 . 07 \\ 227 . 08 \\ 232 . 13 \\ 226 . 46 \\ 189 . 45 \\ 193 . 85 \\ 198 . 34 \\ 202 . 91 \\ 207 . 57 \\ 212 . 32 \\ 217 . 15 \\ 222 . 07 \\ 227 . 08 \\ 232 . 12 \\ 232 . 21 \\ 241 . 22 \\ 218 . 27 \\ 223 . 80 \\ 228 . 72 \\ 233 . 73 \\ 238 . 82 \\ 244 . 49 \\ 206 . 15 \\ 210 . 68 \\ 215 . 30 \\ 220 . 01 \\ 224 . 80 \\ 227 . 86 \\ 232 . 91 \\ 238 . 48 \\ 206 . 50 \\ 204 . 99 \\ 209 . 56 \\ 214 . 22 \\ 218 . 97 \\ 223 . 80 \\ 228 . 72 \\ 233 . 73 \\ 238 . 82 \\ 244 . 49 \\ 206 . 15 \\ 210 . 68 \\ 215 . 30 \\ 220 . 01 \\ 224 . 80 \\ 229 . 67 \\ 234 . 63 \\ 239 . 68 \\ 244 . 82 \\ 250 . \end{array} $												
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	43	173.52	177.80	182.15	186.60	191.13	195.75	200.45	205.24	210,12	215.08	43
$ \begin{array}{c} \textbf{46} \\ \textbf{189.45} \\ \textbf{193.85} \\ \textbf{198.34} \\ \textbf{202.91} \\ \textbf{207.57} \\ \textbf{212.32} \\ \textbf{217.15} \\ \textbf{222.07} \\ \textbf{227.08} \\ \textbf{232.91} \\ \textbf{238.82} \\ \textbf{241.80} \\ \textbf{200.50} \\ \textbf{204.99} \\ \textbf{209.56} \\ \textbf{214.22} \\ \textbf{218.97} \\ \textbf{223.80} \\ \textbf{229.87} \\ \textbf{233.73} \\ \textbf{238.82} \\ \textbf{244.49} \\ \textbf{206.15} \\ \textbf{210.68} \\ \textbf{215.30} \\ \textbf{220.01} \\ \textbf{224.80} \\ \textbf{229.67} \\ \textbf{234.63} \\ \textbf{239.68} \\ \textbf{244.82} \\ \textbf{250.} \\ \textbf{250.01} \\ \textbf{244.82} \\ \textbf{250.01} \\ 25$												
$ \begin{array}{l} 47 \\ 194.93 \\ 199.38 \\ 203.91 \\ 208.52 \\ 218.97 \\ 223.80 \\ 228.72 \\ 233.73 \\ 238.82 \\ 244. \\ 49 \\ 206.15 \\ 210.68 \\ 215.30 \\ 220.01 \\ 224.80 \\ 229.67 \\ 234.63 \\ 239.68 \\ 244.82 \\ 250. \\ \end{array} $												
48 200.50 204.99 209.56 214.22 218.97 223.80 228.72 233.73 238.82 244. $49 206.15 210.68 215.30 220.01 224.80 229.67 234.63 239.68 244.82 250.$	46	189.45	193.85	198.34	202.91	207.57	212.32	217.15	222.07	227.08	232.17	46
49 206.15 210.68 215.30 220.01 224.80 229.67 234.63 239.68 244.82 250.	47	194.93	199.38	203.91	208.52	213.23	218.02	222.89	227.86	232.91	238.04	47
50 211.89 216.47 221.13 225.88 280.71 235.63 240.64 245.73 250.91 256.	10	206 15	210 69	209.56	214, 22	218.97	223.80	228.72	233.73	238.82	244.00	48
	50	211.89	216.47	221.13	225.88	230.71	235.63	240.64	245.73	250.91	256.17	49 50
21 22 23 24 25 26 27 28 29 30						2.1		10.73	1.1.1	17.0	30	-

Peet	31	32	33	34	35	36	37	38	39	40	Feet.
0	58.75	62.02	65.39	68.84	72.38	76.00	79.71	83.51	87.39	91.36	-
1	60.69	64.01	67.41	70.91	74.49	78.15	81.91	85.75	89.67	93.69	G
2	62.71	66.07	69.52	73.06	76.69	80.40			92.04		
3	64.82	68.23	71.72	75.30	78.97	82.72	86.56	90.49	94.50	98.60	1
4	67.02	70.47	74.01	77.63	81.34	85.14	89.02	92.99	100	101.19	1
5	69.30	72.80	76.38	80.04	83,80	87.64	91.56	95.57	99.67	103.86	1
6	71.67	75.21	78.83	82.54	86,34	90.22	94.19	98.25	102.39	106.62	1
7	74.13	77.71	81.38	85.13	88.97	92.89	96.91	101.01	105.19	109.46	1
8	76.67	80.30	84.01	87.80	91.69	95.65		103.85	2 - 3 - 3 - 3 - 1	100000000000000000000000000000000000000	1
9	79.30	82.97	86.72	90.56			102.60				1
10	82.02	85.73	89.52	93.41	97.38	101.43	105.57	109.80	114.12	118.52	10
11	84.82	88.57	92.41	96.34	100.35	104.45	108.64	112.91	117.27	121.71	1
12	87.71	91.51	95.39							124.99	
13	90.69	7.00	The second second	1 - 3	The second second	The state of the state of				128.35	1-
14	93.75		101.60								
15	96.89	100.82	104.83	108.93	113.12	117.39	121.75	126.19	130.72	135.34	1
16	100.13	104.10	108.15	112.30	116.52	120.84	125.24	129.78	134.30	138.96	1
			111.56								
			115.06								
			118.64								
20	113.93	118.07	122.30	126.62	131.02	135.51	140.08	144.74	149.49	154.32	2
21	117.60	121.78	126.06	130.41	134.86	139.39	144.01	148.71	153.50	158.38	2
			129.89								
			133.82								
			137.83								
25	133.13	137.49	141.93	146.46	151.08	155.78	160.57	165.45	170.41	175.46	2
26	137.23	141.63	146.12	150.69	155.35	160.10	164.93	169.85	174.86	179.95	2
27	141.41	145.86	150.39	155.01	159.71	164.50	169.38	174.34	179.39	184.52	2
			154.75								
			159.19								
30	154.49	159.06	163.72	168.47	173.30	178.22	183.23	188.32	193.50	198.76	3
31	159.02	163.64	168.34	173.13	178.01	182.97	188.02	193.15	198.38	208.68	3
			173.04								
			177.83								
			182.71								
35	178.01	182.80	187.67	192.64	197.18	202.82	208.04	213.35	218.75	224.23	3
			192.72								
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	1 1 1 2 2 2 2 2 2	17.7	213.78		1		THE 250	The state of the s	THE CONTRACTOR		1
			219.26								
			224,83								
8	220.13	225.26	230.49	235.80	241.19	246.67	252.24	257.89	263.63	269.46	4
4	225.78	230.96	286.28	241.58	247.02	252.54	258.15	263.85	269.63	275.50	4
- 4	Section Control of the Control of th	hand to the same	242.05	3.0		43.30 VOOD	and the second of	200	A STATE OF S	J. Darri &	
			247.97								
			253.97								
			260.05								
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00	261.52	266.96	272.49	278.10	283.79	289.57	296.45	501.41	307.45	313.58	5
	31	32	33	34	35.	36	37	38.	39	40	Γ

Feet	41	42	43	44	45	46	47	48	49	50	Poot
0	95.41	99.56	103.78	108,10	112,50	116,99	121.56	126.22	130.97	135.80	
1		101.97									
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4		109.73									
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6	110.93	115.33	119.82	124.39	129.06	133.80	138.64	143.56	148.56	153.65	
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64		P. Charles	100 100 1000	2000	0 4 20 000	135000	THE STATE OF THE S	A 70 TO 100	100000000000000000000000000000000000000	175 Table	1
		130.86 134.22									
		137.67									
		141.21									
15	140.04	144.83	149.71	154.67	159.72	164.86	170.08	175.39	180.78	186.26	1.
		148.54									
		152.34									
		156.22 160.19									
		164.25									
-	F 3 (3 F 3 F 3 F 3	168.39		12. Sec. 1. Act 1.	5 77 5		100000	100000000000000000000000000000000000000	-0.00-47-0.00		1
		172.62									
		176.93									
		181.33									
	Mark Comments	185.82	The Control of the	THE COURSE OF THE PARTY OF THE	S. W. W.	Fig. 407 (200)	1000	10 TO 10 TO 10	1750 CAR		
		190.39 195.05									
		199.80									
		204.63									
30	204.12	209.55	215.08	220.69	226.39	232.17	238.04	244.00	250.04	256.17	3
31	209.08	214.56	220.13	225.78	231.52	237.35	243.26	249.26	255.35	261.52	3
		219.65									
		224.83									
		230.10 235.45									
201		240.89	TAKE TO		13.75	C. A. C. B. V.		20,000	30.50.29		
		246.41									
		252.02									
		257.72									
10	257.63	263.50	269.46	275.50	281.63	287.85	294.15	300.54	307.02	313.58	4
		269.38									
		275.33									
		281.38 287.50									
		293.72									
. 1	AND LOSS	300.02				1000000	April 1995		0.0000	27.20	
		306.41									
18	306.67	312.89	319.19	325.58	332.05	338.62	345.26	352.00	358.82	365.73	4
		319.45									
JU	519.79	326.10	ooz. 49	538.96	040.02	552.17	558.91	565.78	572.63	579.63	0
1	41	42	43	44	45	46	47	48	49	50	

TABLE XXVI.—BASE 30.—SLOPES 4 to 1.

Feet.	1	2	3	4	5	6	7	8	9	10	Poor
0	0.61	1.31	2.11	3.01	4.01	5.11	6.31	7,61	9.00	10.49	1
1	1.26		2.86	3.82	4.86		7.26	8.61	10.05	11.59	
2	2.01	2.82	3.72	4.72	5.82	7.01	8.31	9.70	11.20	12.79	
3	2.86		4,67	5.72	6.86		9.46	10.90	12.44	14.09	
4	3.82	4.72	5.72	6.82	8.01	9.31	10.70	12.20	13.79	15.48	
5	4.86	5.82	6.86	8.01	9.26		12.05	13.59	15.28	16.98	
6	6.01	7.01	8.11	9.31	10.61	12.00	13.49	15.09	16.78	18.57	
7	7.26	8.31	9.46	10.70	12.05	13.49	15.04	16.68	18.42	20.26	
8	8.61	9.70	10.90	12.20	13.59	15.09	16.68	18,37	20.16	22.05	
9	10.05	11.20	12.44	13.79	15.23	16.78	18.42	20,16	22.00	23.94	1
10	11.59	12.79	14.09	15.48	16.98	18.57	20.26	22,05	23.94	25.93	1
11	13.23	14.48	15.83	17.27	18.82	20.46	22.20	24.04	25.98	28.01	i
12	14.98	16.27	17.67	19.16	20.75	22.44	24.23	26.12	28.11	30.20	
13	16.82	18.16	19.61	21.15	22.79	24.53	26.37	28.31	30.35	32.48	
14	18.75	20.15	21.64	23.23	24.93	26.72	28,61	30.59	32.68	34.86	1
15	20.79	22.23	23.78	25.42	27.16	29.00	30.94	32.98	35.11	37.35	
16	22.93	24.42	26.01	27.70	29.49	31.38	83.87	35.46	37.64	39.93	1
17	25.16		28.35	30.09	31.93	33.86	35.90	38.04	40.27	42.61	
18	27.49	29.09	30.78	32.57	34.46		38.53	40.72	43.00	45.38	
19	29.93	31.57	33.31	35.15	37.09	39.12	41.26	43.49	45.83	48.26	
20	32.46	34.15	35.94	37.83	39.82	41.90	44.09	46.37	48.75	51.23	
21	35.09	36.83	38.67	40.61	42.64	44.78	47.01	49.35	51.78	54.31	9
22	37.82	39.61	41.49	43.48	45.57	47.75	50.04	52.42	54.90	57.48	
23	40.64	42.48	44.42	46.46	48.59	50.83	53.16	55.59	58.12	60.75	
24	43.57	45.46	47.44	49.53	51.72	54.00	56.38	58.86	61.44	64.12	
25	46.59	48.53	50.57	52.70	54.94	57.27	59.70	62.23	64.86	67.59	
26	49.72	51.70	53.79	55.98	58.26	60.64	63.12	65.70	68.38	71.16	
27	52.94	54.98	57.11	59.35	61.68	64.11	66.64	69.27	72.00	74.83	
28	56.26	58.35	60.53	62.81	65.50	67.68	70.26	72.94	75.72	78.59	
29	59.68	61.81	64.05	66.38	68.81	71.35	73.98	76.70	79.53	82.46	
30	63.20	65.38	67.67	70.05	72.53	75.11	77.79	80.57	83.44	86.42	
31	66.81	69.05	71.38	74.81	76.35	78.98	81.70	84.53	87.46	90.48	10
32	70.53	72.81	75.20	77.68	80.26	82.94	85.72	88.59	91.57	94.64	
33	74.35	76.68	79.11	81.64	84.27	87.00	89.83	92.75			
34	78.26	80.64	83.12	85.70	88.38	91.16	94.04		100.09		
35	82.27	84.70	87.23	89.86	92.59	95.42			104.49		
36	86.38	88.86	91.44	94.12	96.90	3.75	102.75	COST VILLE	7 - 60 - 64	the contract of the	
37	90.59	93.12	95.75			104.28					
38	94.90					108.79					
39	1 2 2	101.94									
10		106.49									
30	Administration of the last	100000000000000000000000000000000000000	8, 8, 12, 14	the state of the state of		5-1-1	Marie Control	375000	12 12 12	1111111111111	
		111.15 115.90									
		120.75									
		125.70									
		130.75									
		20,000	100,000	100000000000000000000000000000000000000		The second of	27.00.90		31.7.2.333	12.5 7 25 7	
		135.90									
		141.15									
		146.49									
		151.94									
,0	154.51	157.48	100.75	104.12	167.59	171,16	174.83	178,59	102,46	180,42	0
	_		_								-
17	1	2	3.	4	5	6	7	8	9	10	ı

TABLE XXVI.—BASE 30.—SLOPES 4 to 1.

Feet	11	12	13	14	15	16	17	18	19	20	Peet.
0	12.09	13.78	15.57	17.46	19.44	21.53	23.72	26.00	28.38	30.86	-
1	13.23	14.98	16.82	18.75	20.79	22.93	25.16	27.49	29.98		1
2	14.48	16.27	18.16	20.15	22.23	24.42	26.70	29.09	31.57	34.15	2
3	15.83	17.67	19.61	21.64			28,35	30.78	33.31	35.94	8
4	17.27	19.16	21.15	23.23	25.42	27.70	30.09	32.57	35,15	37.83	4
5	18.82	20.75	22.79	24.93	27.16	29.49	31.93	34.46	37.09	39.82	5
6	20.46	22.44	24.53	26.72	29.00	31.38	33.86	36.44	39.12	41.90	6
7	22.20	24.23	26.37	28.61	30.94	33.37	35.90	38.53	41.26		7
8	24.04	26,12	28.31	30.59	32.98	35.46	38.04	40.72	43.49	46.37	8
9	25.98	28,11	30.35	32.68	35.11	37.64	40.27	43.00	45.83	48.75	5
10	28.01	30.20	32,48	34.86	37.35	39.93	42.61	45.38	48.26		10
11	30.15	32.38	34.72	37.15	39.68	42.31	45.04	47.86	50.79	53.81	11
12	32.38	34.67	87.05	39.53	42.11	44.79	47.57	50.44	58.42	56.49	
13	34.72	37.05	39.48	42.01	44.64	47.37	50.20	53.12	56.15	59.27	
14	87.15	39.53	42.01	44.59	47.27	50.05	52.93	55.90	58.98	62.15	
15	39.68	42.11	44.64	47.27	50.00		55.75	58.78	61.90		
1	42.31	44.79	47.37	50.05	52.83	100000	58.68	20.00	a visibility of	1000	
16	1 1 1 1 1 1 1 1		100000000000000000000000000000000000000	52.93		58.68	1.00	61.75	64.93		16
17	45.04	47.57 50.44	50.20 53.12	55.90	55.75 58.78	100000	11557.45	64.83	68.05		17
18	50.79	53.42	56.15	58.98	61.90		64.83 68.05	68.00 71.27	71.27	74.64	
$\frac{19}{20}$	53.81	56.49	59.27	62.	65.12		71.37	The second second	74.59	78.01	
	Service Service	1 1 July 2	130 000	-	Company of the second	12000	100	74.64	78.01	81.48	
21	56.94	59.67	62.49	65.4	68.44	71.57	74.79	78.11	81.53		
22	60.16	62.94	65.81	68.79		P. P. D. C. C.	78.31	81.68	85.15		
23	63.48		69.23	72.26			81.93	85.35	88.86		
24	66.90	69.78	72.75	75.83			85.64	89.11	92.68		
25	70.42	73.35	76.37	79.49	82,72	86.04	89,46	92.98	96.59	100.31	25
26	74.04	77.01	80.09	83.26	86.53	89.90	93.37	96.94	100.60	104.37	26
27	77.75	80.78	83.90	87.12	90.44					108.53	
28	81.57	84.64	87.81	91.09						112.79	
29	85.48	88.60	91.83	95.15						117.15	
30	89.49	92.67	95.94	99.31	102.78	106, 35	110,01	113.78	117.64	121.60	30
31	93.60	96.83	100.15	103.57	107.09	110.70	114.42	118, 23	122, 15	126.16	31
32										130.81	
										135.57	
										140.42	
										145.37	
T .7	1.55	1.22.20		Property and the second					the second section	150.42	
										155.57	
										160.81	
										166.16	
										171.60	
	C. A. S. S. S. A.		Mark Street Carl	and the second	The second second	The state of the s	200000000000000000000000000000000000000			Proc. 20 Proc. 11	
										177.15	
										182.79	
										188.53	
										194.37	
C.7	100000000000000000000000000000000000000		V-1 - 754		A Comment				What it are a	200.31	
										206.34	
										212.48	
										218.72	
										225.05	
00	190.48	194.64	198.90	203.26	207.72	212.27	216.93	221.68	226.53	231,48	50
	1	1.0		TO D			1.2		200		-
	11	12	13	14	15	16	17	18	19	20	

TABLE XXVI.-BASE 30.-SLOPES 4 to 1.

Peet	21	22	23	24	25	26	27	28	29	30	Post
Ô	33.44	36.12	38.90	41.78	44.75	47.83	51.00	54.27	57.64	61.11	1
1	35.09	37.82	40.64	43.57	46.59	49.72	52.94	56.26			
2	36.83	39,61	42.48	45.46	48.53		54.98	58.35	61.81	65.38	
3	38.67	41.49	44,42	47.44		53.79	57.11	60.53		67.67	
4	40.61	43,48	46.46		52.70			62.81	66.38	70.05	
5	42.64	45,57	48.59	100000	2000000	1221	61.68	2.0	72122	72.53	1
6	44.78	47.75		54.00	Contract Contract	60.64		67.68		75.11	
7	47.01	50.04		56.38	59.70		66.64	70.26		77.79	
8	49.35	52.42	55.59	58.86	62.23			72.94	76.70	80.57	
9	51.78	54.90		61.44		4 mm 20 11 11 11 11 11 11 11 11 11 11 11 11 11	72.00	75.72			
10	54.31	57.48		64.12	67.59	100	10 mm / A	78.59	the section of	1000	
11	56.94	60.16		66.90	70.42		77.75	81.57	85.48		
12	59.67	62.94	66.31	69.78	73.35		80.78	84.64			
13	62.49	65.81	69.23	72.75	76.37		83.90		91.83		
14	65.42	68.79	72.26	75.83	79.49		87.12	91.09		1.0	
15	68.44	71.86	75.38	79.00	82.72	AT 45-36-	77.25	94.46	2-3-500	102.78	E.
16	71 57	75.04	78.60	82.27	86.04		93.86			106.35	
17	74.79	78.31	81.93	85.64	89.46					110.01	
18	78.11	81.68	85.35	89.11						113.78	
19	81.53	85.15	88.86	92.68						117.64	
20	85.05	88.72	92.48	96.35	100.31	104.37	108.53	112.79	117.15	121.60	20
21	88.67	92.38	96.20	100.11	104.12	108.23	112.44	116.75	121.16	125.67	2
22	92.38	96.15	100.01	103.98	108.04	112.20	116.46	120.81	125.27	129.83	2
23		100.01	103.93	107.94	112.05	116.26	120.57	124.98	129.48	134.09	2
24	100.11	103.98	107.94	112.00	116.16	120,42	124,78	129,23	133.79	138.44	2
25	104.12	108.04	112.05	116.16	120.37	124.68	129.09	133.59	138, 20	142.90	2
26	108, 23	112.20	116.26	120.42	124.68	129.04	133.49	138.05	142.70	147.46	2
		116.46									
28	116.75	120.81	124.98	129.23	133.59	138.05	142.60	147.26	152.01	156.86	2
29	121.16	125.27	129.48	133.79	138.20	142.70	147.31	152.01	156.81	161.72	2
30	125.67	129.83	134.09	138.44	142.90	147.46	152.11	156.86	161.72	166.67	3
31	130.27	134.48	138.79	143.20	147.70	152.31	157.01	161.81	166.72	171.72	3
		139 23									
		144.09									
		149.04									
35	149.68	154.09	158.59	163.20	167.90	172.70	177.60	182.60	187.70	192.90	3
26	154 78	159.23	163.79	168.44	173.20	178.05	183.00	188.05	193.20	198.44	3
		164.48									
		169.83									
		175.27									
		180.81									
		186.46		1200	30 0755	2000000			200 10	TO SO Y	1.
		192.20									
		198.04									
		203.97									
		210.01									
7.3		100	Internal Control	100	200	No. 1 Conference	12 Sept 10 10 10 10 10 10 10 10 10 10 10 10 10		1000		Ι.
		216.15									
		222.38									
		228.72									
		235.15 241.68									
7.5		1.5	-						S. S. S. S.		-
- 1	21	22	23	24	25	26	27	28	29	30	1

Feet.	31	32	33	34	35	36	37	38	39	40	Poet.
0	64.68	68.35	72.11	75.98	79.94	84.00	88.16	92.42	96.78	101.23	0
1	66.81	70.53	74.35	78.26	82.27	86.38	90.59	94.90	99.31	103.81	1
2	69.05	72.81	76.68	80.64	84.70	88.86	93.12	97.48	101.94	106.49	2
3	71.38	75.20	79.11	83.12	87.23	91.44		100.16			8
4	74.81	77.68	81.64	85.70	89.86	94.12	A Toronto Control	102.94			
5	76.35	80.26	84.27	88.38	92.59	96.90	101.31	105.81	110.42	115.12	1 .
6	78.98	82.94	87.00	91.16			104.23				
7	81.70	85.72	89.83	94.04			107.26				
8	84.53	88.59	92.75				110.38				
9	87.46	91.57					113.60				
10	90.48	94.64	10000		4.1-1-12	Frank H	116.93	196 197 277	100000	10 4 1 1 1 1	1
11	93.60						120.35				
12	96.83	101.09	105,44	109.90	114.46	119.11	123,86	128.72	133.67	138.72	15
13	100.15	104.46	108.86	113.37	117.98	122.68	127.48	132.38	137.38	142.48	18
		107.93									
		111.49									
16	110.70	115.16	119.72	124.37	129.12	133.97	138.93	143.97	149.12	154.37	16
		118.93									
		122.79									
		126.75									
		130.81	F-9694 V	A STATE OF THE PARTY.	the state of the s	Laborator Street	The second second	the second second	and a decided had	Maria Caracteria Contra	
		134.97									
		139.23									
23	135.79	143.59	148.49	153.49	158.59	163,79	169.09	174.48	179.97	185.57	2
24	143.20	148.05	153.00	158.05	163,20	168.44	173.79	179.23	184.78	190.42	24
		152.60									
26	152.31	157.26	162.31	167.46	172.70	178.05	183.49	189.04	194.68	200.42	26
27	157.01	162.01	167.11	172.31	177.60	183.00	188,49	194.09	199.78	205.57	27
28	161.81	166.86	172.01	177.26	182.60	188.05	193.59	199.23	204.97	210.81	28
29	166.72	171.81	177.01	182.31	187.70	193.20	198.79	204.48	210.27	216.16	2
		176.86									
31	176.81	182.01	187.31	192.70	198.20	203.79	209.48	215.27	221.16	227.15	3.
32	182.01	187.26	192.60	198.05	203.59	209.23	214.97	220.81	226.75	232.79	35
33	187.31	192.60	198.00	203.49	209.09	214.78	220.57	226.46	232,44	238.53	3
34	192.70	198.05	203.49	209,04	214.68	220.42	226, 26	232.20	238.23	244.37	3
		203.59									
36	203.79	209.23	214.78	220.42	226.16	232.00	237.94	243.97	250.11	256.34	3
37	209.48	214.97	220,57	226.26	232.05	237.94	243,92	250.01	256.20	262,48	3
		220.81									
39	221.16	226.75	232.44	238.23	244.12	250.11	256, 20	262.38	268.67	275.05	5
		232.79									
41	233.23	238.92	244.71	250.60	256,59	262.68	268,86	275.15	281.53	288.01	4
42	239.42	245.16	251.00	256.94	262.97	269.11	275.34	281.68	288,11	294.64	4
43	245.70	251.49	257.38	263.37	269,46	275.64	281.92	288,31	294.79	301.37	4
44	252.09	257.92	263.86	269.90	276.04	282.27	288.60	295.04	301.57	308.20	4
		264.46									
46	265.15	271.09	277.12	283.26	289.49	295.83	302.26	308.79	315.42	322.15	4
47	271.83	277.81	283.90	290.09	296.37	302.75	309.23	315.81	322.49	329.27	4
48	278.60	284.64	290.78	297.01	303.34	309.78	316.31	322.94	329.67	336.49	4
19	285.48	291.57	297.75	304.04	310.42	316.90	323.48	330.16	336.94	343.81	4
00	292.46	298.59	304.83	311.16	317.59	324.12	330.75	337.48	344.31	851.23	5
	31	32	33	34	35	36	37	38	39	40	

Fert	41	42	43	44	45	46	47	48	49	50	Feet.
0	105.79	110.44	115.20	120.05	125.00	130.05	135.20	140.44	145.79	151.23	(
			117.93								
			120.75								
			123.68								
			126.70								
20	Sec. 15.15	Mary have	129.83			100000000000000000000000000000000000000	Market and the		The state of the s	report of the A	
			133.05								
			136.37								
			139.79								
			143.31 146.93								
		Description of the	AK. J. C.		1000000	10000	P. C. C. C. C.		10000		
			150.64								
			154.46								
			163.38								
			166.49								
65	B-4200-2	VICTO -00	170.70	Sec. 85 100	5.50 3.00	1 × 1 × 1	Salama V	War more	Corner and		4
			175.01								
			179.42								
			183.93								
			188.53								
21	181.75	187.44	193.23	199.12	205.11	211, 20	217.38	223.67	230.05	236.53	21
22	186.46	192.20	198.04	203.97	210.01	216.15	222.38	228.72	235.15	241.68	22
23	191.26	197.05	202.94	208,93	215.01	221.20	227.48	233.86	240.34	246.92	28
24	196.16	202.00	207.94	213.97	220.11	226.34	232.68	239.11	245.64	252.27	24
25	201.16	207.05	213.04	219.12	225,31	231.59	237.97	244.46	251.04	257.71	28
			218,23								
			223.53								
28	216.75	222.79	228,92	235.16	244.49	247.92	254.46	261.09	267.81	274.64	28
29	221.15	228.23	234.42	240.70	247.09	253.57	260.15	266.83	273.60	280.48	25
			240.01								
			245.70								
			251.49								
24	244. 71 250 60	256 94	257.38 263.37	260,00	976 59	277.12	283.90	290.78	297.75	304.83	36
25	256.59	262 97	269.46	276 04	989 71	280 40	996 97	207.01	910 49	917 50	2:
			275.64 281.92								
			288.31								
39	281.53	288, 11	294.79	301.57	308.44	315.42	322.49	329.67	336.94	344 31	39
10	288.01	294.64	301.37	308.20	315.12	322.15	329.27	336.49	343.81	351.23	40
	the same of the same	Programme and the second	308.05	The state of the state of	1 100 100 100 100			and the same			/
			314.83								
			321.70								
			328.68								
			335.75								
203	Service Cont	The second second	342.92	Committee of the commit		10000	Later and the la				1
			350.20								
48	343.42	350.44	357.57	364.79	372.11	379.53	387.05	394,66	402.38	410.20	48
49	350.79	357.86	365.04	372.31	379.68	387.15	394.71	402.38	410.15	418.01	4
50	358.26	365.38	372.60	379.92	387.34	394.86	402.48	410.20	418.01	425.92	5
	41	10	10	100	72		52			-	-
Œ'i	41	42	43	44	45	46	47	48	49	50	1

Foot.	1	2	3	4	5	6	7	8	9	10	Feet.
0	0.59	1.20	1.83 2.46	2.49	3.18	3.89 4.55	4.62	5.38	6.17	6.98	0
1 2	1.19 1.81	1.81 2.44	3.10	3.13 3.79	3.83 4.50	5.23	5.30 5.99	6.07 6.78	6.86 7.59	$\begin{matrix} 7.69 \\ 8.42 \end{matrix}$	1 2
3 4	2.46 3.13	3.10 3.79	3.78 4.48	4.48 5.19	$5.20 \\ 5.92$	5.94 6.68	6.72 7.46	$7.51 \\ 8.27$	8.33 9.10	$9.18 \\ 9.96$	3 4
5	3.83	4.50	5.20	5.92	6.67	7.44	8.23	9.06	9.90	10.77	5
6	4.55 5.30	5.28 5.99	5.94 6.72	6.68 7.46	7.44 8.23	$8.22 \\ 9.03$	9.03 9.85	$9.86 \\ 10.70$	10.72	11.60	6 7
7 8	6.07	6.78	7.51	8.27	9.06	9.86	10.70	11.56	11.57 12.44	12.46 13.35	8
9 10	6.86 7.69	7.59 8.42	8.33 9.18	9.10 9.96	$9.90 \\ 10.77$	10.72 11.60	11.57 12.46	12.44 13.35	13.33 14.25	14.25 15.19	9 10
11	8.53	9.28	10.05	10.85	11.67	12.51	13.38	14.28	15.20		l
12 18	9.40 10.30	10.16 11.07	10.94 11.86	11.75 12.69	12.59 13.53	13.44 14.40	14.33 15.30	15.23 16.22	16.17 17.16	17.12 18.13	
14	11.22	12.00	12.81	13.64	14.50	15.38	16.29	17.22	18.18	19.16	14
15	12.16	12.96	13.78	14.62	15.49	16.39	17.31	18.25	19.22	20.22	ı
16 17	13.13 14.12	13.94 14.94	14.77 15.79	15.63 16.66	16.51 17.56	17.42 18.48	18.35 19.42	19.31 20.39	20.29 21.38	21.30 22.40	
18 19	15.14 16.19	15.98 17.03	16.83 17.90	17.72 18.80	18.62 19.72	19.56 20.66	20.51 21.63	21.49 22.62	22.50 23.64	23.53 24.69	
20	17.25	18.11	18.99	19.90	20.83	21.79	22.77	23.78	24.81	25.86	
21	18.35 19.46	19.22	20.11	21.03	21.98	22.94	23.94 25.13	24.96	26.00	27.07 28.30	
22 23	20.60	20.85 21.50	21.25 22.42	22.19 23.36	23.14 24.33	24.12 25.33	26.35	26.16 27.39	27.22 28.46	29.55	
24 25	21.77 22.96	22.68 23.88	23.61 24.83	24.57 25.80	25.55 26.79	$26.56 \\ 27.81$	27.59 28.85	28.64 29.92	29.72 31.01	30.83 32.13	
26	24.18	25.11	26.07	27.05	28.06	29.09	30.14	31.22	32.33	33.46	1
27 28	25.42 26.69	26.36 27.64	27.33 28.62	28.33 29.63	29.35 30.66	30.39 31.72	31.46 32.80	32.55 33.90	33.67 35.03	34.81 36.19	
29	27.98	28.94	29.94	30.96	32.00	33.07	34.16	35.28	36.42	37.59	29
30 31	29.29 30.63	30.27 31.62	31.28 32.64	32.31 33.69	33.36 34.75	34.44 35.85	35.55 36.96	36.68 38.10	37.83 39.27	39.01 40.46	1
32	31.99	33.00	34.03	35.09	36.17	87.27	38.40	39.56	40.73	41.94	32
33 34	33.38 34.80	34.40 35.83	35.44 36.88	36.51 37.96	37.60 39.07	38.72 40.20	39.86 41.35	41.03 42.53	42.22 43.73	43.44 44.96	
35	86.23	37.28	38.35	39.44	40.56	41.70	42.86	44.06	45.27	46.51	
36 37	37.70 39.19	38.75 40.25	39.83 41.35	40.94 42.46	42.07 43.60	43.22 44.77	44.40 45.96	45.60 47.18	46.83 48.42	48.09 49.69	
38	40.70	41.78	42.88	44.01	45.17	46.35	47.55	48.78	50.03	51.31	38
39 40	42.23 43.80	48.33 44.90	44.44 46.03	45.59 47.19	46.75 48.36	47.94 49.57	49.16 50.80	50.40 52.05	51.67 53.83	52.96 54.63	
41	45.38	46.50	47.64	48.81	50.00	51.22	52.46	53.72	55.01	56.33	41
42 43	46.99 48.63	48.12 49.77	49.28 50.94	50.46 52.13	51.66 53.35	52.89 54.59	54.14 55.85	55.42 57.14	56.72 58.46	58.05 59.80	
44	50.29	51.44	52.62	53.83	55.06	56.31	57.59	58.89	60.22	61.57	44
45 46	51.98 53.69	53.14 54.86	54.33 56.07	55.55 57.30	56.79 58.55	58.06 59.83	59.35 61.13	60.66 62.46	62.00 63.81	63.36 65.19	
47	55.42	56.61	57.83	59.07	60.33	61.62	62.94	64.28	65.64	67.03	47
48 49	57.18 58.96	58.38 60.18	59, 61 61, 42	60.86 62.69	62.14 63.98	63.44 65.29	64.77 66.63	66.12 67.99	67.50 69.38	68.90 70.80	
50	60.77	62.00	63.25	64.53	65.83	67.16	68.51	69.89	71.29	72.72	1 .
	1	2	3	4	5	6	7	8	9	10	
						1					

TABLE XXVII.-BASE 31.-SLOPES 1 to 1.

Post,	11	12	13	14	15	16	17	18	19	20	Foot.
0	7.81	8.67	9.55	10.46	11.39	12.35	13.33	14.33	15.36	16.42	(
1.	8.53	9.40	10.30	11.22	12.16	13.13	14.12	15.14	16.19	17.25	1
2	9.28	10.16	11.07	12.00	12.96	13.94	14.94	15.98	17.03	18.11	1
3	10.05	10.94	11.86	12.81	13.78	14.77	15.79	16.83	17.90	18.99	1
4	10.85	11.75	12.69	13.64	14.62	15.63	16.66	17.72	18.80	19.90	1
5	11.67	12.59	13.53	14.50	15.49	16.51	17.56	18.62	19.72	20.83	13
6	12.51	13.44	14.40	15.38	16.39	17.42	18.48	19.56	20.66	21.79	1
7	13.38	14.33	15.30	16.29	17.31	18.35	19.42	20.51	21.63	22.77	18
8	14.28	15.23	16.22	17.22	18.25	19.31	20.39	21.49	22.62	23.78	
9	15.20	16.17,	17.16	18.18	19.22	20.29	21.38	22.50	23.64	24.81	
10	16.14	17.12	18.13	19.16	20.22	21.30	22.40	23,53	24.69	25.86	1
11	17.11	18.10	19.12	20.17	21, 23	22.33	23.44	24.59	25.75	26.94	1
12	18.10	19.11	20.14	21, 20	22.28	23.38	24.51	25.67	26.85	28.05	10.
13	19.12	20.14		22.25	23.35	24.46	25.60	26.77	27.96	29.18	
14	20.17	21.20	22.25	23.33		25.57	26.72	27.90	29.10	30.33	
15	21 23	22.28	23.35	24, 44,	25.56	26.70	27.86	29.06	30.27	31.51	
- 1	2000	and the second		200			29.03	30.23	31.46	32.72	1:
16	22.33	23.38	24.46	25.57	26.70	27.85	30.22	31.44	32.68	33.94	
17	23.44	24.51	25.60	26.72	27.86	29.03		32.67	33,92	35.20	
18	24.59	25.67	26.77	27.90	30.27		31.44 32.68	33.92	35.19	36.48	4
19	25.75	26.85	27.96	29.10	31.51	31.46 32.72	33.94	35.20	36.48	37.78	
20	26.94	28.05	A September 1	produced to the	The second second	10000	1000000	10000 3774	1.00		1
21	28.16	29.28	30.42	31.59	32.78	33.99	35.23	36.50	37.79	39.10	
22	29.40	30.53	31.69	32,86	34.07	35,30	36.55	37.83	39.13	40.46	
23	30.67	31.81	32.98	34.17	35.38	36.62	37.89	39.18	40.49	41.83	
24	31.96	33.11	34.29	35,49	36.72	37.98	39.25	40.56	41.88	43.23	
25	33.27	34.44	35.63	36,85	38.09	39.35	40.64	41.96	43.30	44.66	
26	34.61	35.79	36.99	38.22	39.48	40.75	42.06	43.38	44.73	46.11	
27	35.98	37.17	38.38	39.62	40.89	42.18	43.49	44.83	46.20	47.59	
28	37.36	38.57	39.80	41.05	42.33	43.63	44,96	46.31	47.69	49.09	2
29	38.78.	39.99	41.23	42.50	43.79	45.10	46.44	47.81	49,20	50.61	
30	40.22	41.44	42.70	43.98	45.28	46.60	47.96	49.33	50.73	52.16	3
31	41.68	42.92	44.19	45.48	46.79	48.13	49.49	50.88	52.30	53.73	3
32	43,17	44.42	45.70	47.00	48.33	49.68	51.06	52.46	53.88	55.33	
33	44.68	45.94	47.23	48.55	49.89	51.25	52.64	54.06	55.49	56.96	
34	46.22	47.49	48.80	50.12	51.48	52.85	54.25	55.68	57.13	58.60	
35	47.78	49.07	50.38	51.72	53.09	54.48	55.89	57.33	58.79	60.28	3.
36	49.36	50.67	51.99	53.35	54.72	56.12	57.55	59.00	60.48	61.98	3
37	50.98	52.29	53.63	54.99		57.80	59.23	60.70	62.19	63.70	
38	52.61	53.94	55.29	56.67	58.07	59.49	60.94	62.42	63.92	65.44	
39	54.27	55.61	56.98	58.36	59.78	61.22	62.68	64.17	65.68	67.22	
40	55.96	57.31	58.69	60.09	61.51	62.96	64.44	65.94	67.46	69.01	
- 1	1000	100000	100	9 5 5 5		TATABLE !	2000	W 200 11	69.27	70.83	١
41	57.67	59.03	60.42	61.83	63.27	64.73	66.22 68.03	67.73 69.56	71.10	72.68	
42	59.40	60.78	62.18	63.60	65.06	66.53		71.40	72.96	74.55	
43	61.16		63.96	65.40	66.86	68.35 70.20	69.86 71.72	73.27	74.85	76.44	
44	62.94	64.35	65.77	67.22	68.70	72.07	73.60	75.17	76.75	78.36	
45	64.75	66.17	67.60	69.07	70.56			Acres 1	100000		T.
46	66.59	68.01	69.46	70,94	72.44	73.96	75.51	77.09	78.69	80.31	
47	68.44	69.88	71.35	72.83	74.35	75.88	77.44	79.03	80.64	82.28	
48	70.33	71.78	73.25	74.75	76.28	77.83	79.40	81.00	82.62	84.27	
49	72.23	73.70	75.19	76.70	78.23	79.80	81.38	82.99	84.63	86.29	
50	74.17	75.64	77.14	78.67	80.22	81.79	83.39	85.01	86.66	88.33	0
+	11			7.7		17.77.17	17	18			T

Peet	21	22	23	24	25	26	27	28	29	30	Poet.
0	17.50	18.60	19.73	20.89	22.07	23.27	24.50	25.75	27.03	28.33	0
1	18.35	19.46	20.60	21.77	22.96	24.18	25,42	26.69	27.98	29.29	1
2	19.22	20.35	21.50	22.68	23,88	25.11	26.36	27.64	28.94	30.27	2
3	20, 11	21.25	22.42	23.61	24.83	26.07	27.33	28.62	29.94	31.28	3
4	21.03	22.19	23.36	24.57	25.80	27.05	28.33	29.63	30.96	32.31	4
5	21.98	23.14	24.33	25.55	26.79	28.06	29.35	30.66	32.00	33.36	5
6	22.94	24.12	25.33	26.56	27.81	29.09	30.39	31.72	33.07	34.44	6
7	23.94	25.13	26.85	27.59	28.85	30.14	31.46	32.80	34.16	35.55	7
8	24.96	26.16	27.39	28.64	29.92	31.22	32.55	33.90	35.28	36.68	
9	26.00	27.22	28.46	29.72	31.01	32.33	33.67	35.03	36.42	37.83	
10	27.07	28.30	29.55	30.83	32.13	33.46	34.81	36.19	37.59	39.01	100
11	28.16	29.40	30.67	31.96	33,27	34.61	35.98	37.36	38.78	40.22	
12	29.28	30.53	31.81	33.11	34.44	35.79	37.17	38.57	39.99	41.44	
13	30,42	31.69	32.98	34.29	35.63	36.99	38.38	39.80	41.23	42.70	
14	31.59	32.86	34.17	35.49	36.85	38.22	39.62	41.05	42.50	43.98	
15	32.78	34.07	35.38	36.72	38.09	39.48	40.89	42.33	43.79	45.28	100
ÇQ.	A-20.00	4.00	The second second	1000000	200				102 mail		12
16	33.99	35.30	36.62	37.98	39.35	40.75	42.18	43.63	45.10	46.60	
17	35, 23	36.55	37.89	39.25	40.64	42.06	43.49	44.96	46.44	47.96	
18	36.50	37.83	39.18	40.56	41.96	43.38	44.83	46.31	47.81	49.33	
19	37.79	39.13	40.49	41.88	43.30	44.73	46.20	47.69	49.20	50.73	
20	39.10	40.46	41.83	43.23	44.66	46.11	47.59	49.09	50.61	52.16	100
21	40.44	41.81	43.20	44.61	46.05	47.51	49.00	50.51	52.05		
22	41.81	43.19	44.59	46.01	47.46	48.94	50.44	51.96	53.51	55.09	
23	43.20	44.59	46.00	47.44	48.90	50.39	51.90	53.44	55.00	56.59	
24	44.61	46.01	47.44	48.89	50.36	51.86	53.39	54.94	56.51	58.11	24
25	46.05	47,46	48.90	50.36	51.85	53.36	54.90	56.46	58.05	59.66	25
26	47.51	48.94	50.39	51.86	53.36	54.89	56.44	58.01	59.61	61.23	26
27	49.00	50.44	51.90	53.39	54.90	56.44	58.00	59.59	61.20	62.83	27
28	50.51	51.96	53.44	54.94	56.46	58.01	59.59	61.19	62.81	64.46	28
29	52.05	53.51	55.00	56.51	58.05	59.61	61.20	62.81	64.44	66.10	29
30	53.61	55.09	56.59	58.11	59.66	61.23	62,83	64.46	66.10	67.78	30
31	55.20	56.69	58.20	59.73	61.30	62.88	64.49	66.13	67.79	69.48	31
32	56.81	58.31	59.83	61.38	62.96	64.56	66.18	67.88	69.50	71.20	32
33	58:44	59.96	61.49	63.06	64.64	66.25	67.89	69.55	71.23	72.94	
34	60.10	61.63	63.18	64.75	66.35	67.98	69.62	71.30	72.99	74.72	34
35	61.79	63.33	64.89	66.48	68.09	69.72	71.38	78.07	74.78	76.51	35
36	63.50	65.05	66.62	68.22	69.85	71,49	73.17	74.86	76.59	78.33	36
37	65.23	66.80	68.38	69.99	71.63	73.29	74.98	76.69	78.42	80.18	
38	66.99	68.57	70.17	71.79	73.44	75.11	76.81	78.53	80.28		
39	68.78	70.36	71.98	73.61	75.27	76.96	78.67	80.40	82.16	88.94	
40	70.59	72.19	73.81	75.46	77.13	78.83	80.55	82.30	84.07	85.86	
41	72.42	74.03	75.67	77.33	79.01	80,72	82.46	84.22	86.00	87.81	41
42	74.28	75.90	77.55	79.22	80.92	82.64	84, 89	86.16	87.96		
43	76.16	77.80	79.46	81.14	82.85	84.59	86.35	88.13	89.94		
44		79.72	81.39	83.09	84.81	86.56	88.33	90.12	91.94	93.79	100
45	78.07 80.00	81.66	83.35	85.06	86.79	88.55	90.33	92.14	93.98		
		CONTRACTOR N	2000	30.2300.03	2000	90.57	92,36	94.19	96.03	17.4	100
46	81.96	83.63	85.33	87.05	88.80						
47	83.94	85.62	87.33	89.07	90.83	92.61	94.42	96.25	98.11		
48	85.94	87.64	89.36	91.11	92.88	94.68	96.50			102.11	
49 50	87.98	89.69 91.75	91.42	93.18	94.96	96.77	98.60 100.73			106.42	
90	90.03	31.70	93,50	30.27	31.UI	00.00	100.15	102.00	104,00	100, 12	91

TABLE XXVII.-BASE 31.-SLOPES 1 to 1.

Feet	31	32	33	34	35	36	37	38	39	40	Poet.
0	29.66	31.01	32.39	33.79	35.22	36.67	38.14	39.64	41.17	42.72	
1	30.63	31.99	33.38	34.80	36.23	37.70	39.19	40.70	42,23	43.80	
2	31.62	33.00		35.83	37.28	38.75	40.25	41.78	43.33	44,90	l:
3	32.64	34,03	35.44	36.88	38,35	39,83	41.35	42.88	44.44	46.03	L
4	33.69	35.09		37.96	39,44	40.94	42.46	44.01	45.59	47.19	1
5	34.75		4	39.07	40.56	42.07	43.60	45.17	46.75	48.36	
6	35.85	37.27	38.72	40.20	41.70	43.22	44.77	46.35	47.94	49.57	
7	36.96	38.40	39.86	41.35	42.86	44.40	45.96	47.55	49.16	50.80	ŀ
8	38.10			42.53	44.06	45.60	47.18	48.78		52.05	
9	39.27	40.73		43.73	45.27	46.83	48.42	50.03		53.33	B
10	40,46	41.94		44.96	46.51	48.09	49.69	51.31		54.63	
- 1				46.22	47.78	49.36	50.98	52.61		55.96	1
11	41.68	43.17	44.68						54.27	0.000	
12	42.92	44.42	45.94	47.49	49.07	50.67	52.39	53.94	55.61	57.31	
13	44.19	45.70		48.80	50.38		53.63	55.29	56.98	58.69	1 -
14	45.48	47.00		50.12	51.72	53.35	54.99	56.67	58.36	60.09	
15	46.79	48.33	17-64 36-4	51.48	53.09	54.72	56.38	58.07	59.78	61.51	1
16	48.13	49.68	51.25	52.85	54.48	56.12	57.80	59.49	61.22	62.96	1
17	49.49	51.06	52.64	54.25	55.89	57.55	59.23	60.94	62.68	64.44	1
18	50.88	52.46	54.06	55.68	57.33	59.00	60.70	62.42	64.17	65.94	1
19	52.30	53.88	55.49	57.13	58.79	60.48	62.19	63.92	65.68	67.46	1
20	53.73	55.33	56.96	58.60	60.28	61.98	63.70	65.44	67.22	69.01	2
21	55.20	56.81	58.44	60.10	61.79	63.50	65.23	66.99	68.78	70.59	2
22	56.69	58.31			63.33	65.05	66.80	68.57	70.36	72.19	
23	58.20	59.83		63.18	64.89	66.62	68.38	70,17	71.98	73.81	
24	59.73	61.38		64.75	66.48	68,22	69.99		73.61	75.46	
25	61.30	62.96		66.35	68.09	69.85	71.63	73.44	75.27	77.13	
26	62.88	64.56	1.16.14	67.98	69.72	71.49	73.29	75.11	76.96	78.83	1
27	64.49	66.18	1 X X Y T X	69.62	71.38	73.17	74.98	76.81	78.67	80.55	17
28	66.13	67.83	69.55	71.30	73.07	74.86	76.69	78.53	80.40	82.30	
29	67.79	69.50	71.23	72.99	74.78	76.59	78.42	80.28	82.16	84.07	
30	69.48	71.20	72.94	74.72	76.51	78.33	80.18	82.05	83.94	85.86	
31	71.19	72.92	74.68	76.46	78.27	80.10	81.96	83.85	85.75	87.69	I.
32	72,92	74.67	100000000000000000000000000000000000000	78.23	80.06	81.90	83.77	85.67	87.59	89.53	
33	74.68		76.44						89.44		
		76.44	78.22	80.03	81.86	83.72	85.60	87.51		91.40	
34	76.46 78.27	78.23 80.06	80.03 81.86	81.85 83.70	83.70 85.56	85.57 87.44	87.46 89.35	89.38 91.28	91.33 93.23	93.30 95.22	
S.1	Maria and	1400 TEL	The sold park	CT 17 Y 14	6-50-00		100000000000000000000000000000000000000		100000		L
36	80.10	81.90	83.72	85.57	87.44	89.33	91.25	93.20	95.17	97.16	
37	81.96	83.77	85.60	87.46	89.35	91.25	93.19	95.14		99.13	
38	83.85	85.67	87.51	89.38	91.28	93.20	95.14	97.11		101.12	
39 10	85.75	87.59	89.44	91.33	93.23	95.17	97.12		101.11		
241	87.69	89.53	91.40	93,30	95.22	97.16			103.14		
11	89.64	91.50	93.38	95.29	97.22		101.16				
12	91.62	93.49	95.39	97.31			103.22				
13	93.63	95.51	97.42		101.31						
4	95.66	97.56	120 2 4 2 2		103.39						
15	97.72		101.56	and the second			no combined to the		Company of the last		
16	99.80	101.72	103.66	105.63	107.62	109.64	111.69	113.75	115.85	117.96	4
17	101.90	103.83	105.79	107.77	109.78	111.81	113.86	115.94	118.05	120.18	4
48	104.03	105.98	107.94	109.94	111.96	114.00	116.07	118.16	120.28	122,42	4
19	106.19	108.14	110.12	112.13	114.16	116.22	118.30	120.40	122.53	124.69	4
			112.33								
7	150	100		- 77	150	TR Z			1155	10.20	-
	31	32	33	34	35	36	37	38	39	40.	1

Feet.	41	42	43	44	45	46	47	48	49	50	Feet.
0	44.29	45.89	47.51	49.16	50.83	52.53	54.25	56.00	57.77	59.57	0
1	45.38	46.99	48.68	50.29	51.98	53.69	55.42	57.18	58.96	60.77	1
2	46.50	48.12	49.77	51.44	53.14	54.86	56.61	58.38	60.18	62.00	2
3	47.64	49.28	50.94	52.62	54.33	56.07	57.83	59.61	61.42	63.25	3
4	48.81	50.46	52.13	53.83	55.55	57.30	59.07	60.86	62.69	64.53	4
5	50.00	51.66	53.35	55.06	56.79	58.55	60.33	62.14	63.98	65.83	5
6	51.22	52.89	54.59	56.31	58.06	59.83	61.62	63.44	65.29	67.16	6
7	52.46	54.14	55.85	57.59	59.35	61.13	62.94	64.77	66.63	68.51	7
8	53.72	55.42	57.14	58.89	60.66	62.46	64.28	66.12	67.99	69.89	8
9	55.01	56.72	58.46	60.22	62.00	63.81	65.64	67.50	69.38	71.29	9
10	56.33	58.05	59.80	61.57	63.36	65, 19	67.03	68,90	70.80	72.72	10
11	57.67	59.40	61.16	62.94	64.75	66.59	68.44	70.33	72.23	74.17	11
12	59.03	60.78	62.55	64.35	66.17	68.01	69.88	71.78	73.70	75.64	
13		62.18	63.96	65.77	67.60	69.46	71.35	73.25	75.19	77.14	
14	61.83	63.60	65.40	67.22	69.07	70.94	72.83	74.75	76.70	78.67	14
15	63.27	65.06	66.86	68.70	70.56	72.44	74.35	76.28	78.23	80.22	15
16	CO TO	66.53	68.35	70.20	72.07	78.96	75.88	77.83	79.80	81.79	16
17	66.22	68.03	69.86	71.72	73.60	75.51	77.44	79.40	81.38		
18		69.56	71.40	73.27	75.17	77.09		81.00	82.99		
19		71.10	72.96	74.85	76.75	78.69		82.62	84.63	I was a control	
20		72.68	74.55	76.44	78.36	Lateral Control	82.28	84.27	86, 29	88.33	
21	72.42	74.28	76.16	78.07	80.00	81.96	Contraction in	85.94	87.98	110,000	100
$\frac{21}{22}$		75.90	77.80	79.72	81.66			87.64			
23		77.55	79.46	81.39	83.35			89.36			
24		79.22	81.14	83.09	85.06			91.11	93.18		
25		80.92	82.85	84.81	86.79			92.88			
	12.39.53	100000			10000000	1000	A 60 W-3		W 10 10 10	Exception to the	500
26	10000000	82.64	84.59	86.56	88.55	90.57	92.61	94.68			1
27		84.39	86.35	88.33	90.33			96.50	100.46	100.73	
28		86.16	88.13	90.12	92.14	94.19			102.35		
$\frac{29}{30}$		87.96 89.78	89.94 91.77	91.94	93.98 95.83	96.03 97.90			104.25		
	THE PLANT	1 4 9 33		HALL LAV	2000	100000	The Control of		10.000		100
31	89.64	91.62	93.63	95.66	97.72		101.90				
32	91.50	93.49	95.51	97.56		101.72					
33	93.38	95.89	97.42			103.66					
34	95.29	97.31				105.63					
35	10000000	100000	N. Adrian A. V.	A 4 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	N. A. S. S. S.	107,62	1130 // 600	1000	10° Y 10° 10°	117-128 Arriv	100
36		101.22									
37	101.16	103, 22	105.30	107.40	109.53	111.69	113.86	116.07	118.30	120.55	37
38	103.17	105.23	107.33	109.44	111.59	113,75	115.94	118.16	120.40	122.67	38
39	105.20	107.28	109,38	111.51	113.67	115.85	118.05	120.28	122.58	124.81	35
	107.25										
	109.33										
42	111.44	113.56	115.70	117.86	120.06	122.27	124.51	126.78	129.07	131.38	42
	113.57										
	115.72										
	117.90		A comment of the comment		1,4-4, 9, 17, 18	J - 700 - 101			40 11 11 11 11		
46	120.10	122.27	124.46	126.68	128.92	131.19	133.48	135.79	138.13	140.49	46
47	122.33	124.51	126.72	128.94	131.20	133.48	135.78	138.10	140.46	142.83	47
48	124.59	126.78	128.99	131.23	133.50	135.79	138.10	140.44	142.81	145.20	48
49	126.86	129.07	131.30	133.55	135.83	138.13	140.46	142.81	145.19	147.59	49
	129.17										
		_			_	_		-	-	-	-
1.0	41					100000	47	48	the section of the section of		

137

Peet.	1	2	3	4	5	6	7	8	9	10	Pest.
0	0.60	1.25	1.94	2.69	3.49	4.33	5.23	6.17	7.17	8.21	-
1	1,22	1.90	2.62	3.39	4.21	5.08	6.00	6.97	7.99	9.06	
2	1.90	2.59	3.34	4.14	4.98	5.88	6.82	7.81	8.86	9.95	
3	2.62	3.34	4.11	4.93	5.80	6.72	7.69	8.71	9.78	10.90	
4	3.39	4.14	4.93	5.78	6.67	7.62	8.61	9.65	10.75	11.89	
5	4.21	4.98	5.80	6.67	7.59	8.56	9.58	10.65	11.77	12.93	
6	5.08	5.88	6.72	7.62	8.56	9.56	10.60	11.69	12.83	14.02	
7	6.00	6.82	7.69	8.61	9.58	10.60	11.67	12.78	13.95	15.17	ŀ
8	6.97	7.81	8.71	9.65	10.65	11.69	12.78	13.93	15.12	16.36	
9	7.99	8.86	9.78	10.75	11.77	12.83	13.95	15.12	16.33	17.60	
10	9.06	9.95	10.90	11.89	12.93	14.02	15.17	16.36	17.60	18.89	
11	10.17	11.09	12.06	13.08	14.15	15.27	16.43	17.65	18.91	20.23	1
12	11.34	12.28	13.28	14.32	15.41	16.56	17.75	18.99	20.28	21.62	
13	12.56	13.52	14.54	15.61	16.73	17.90	19.11	20.38	21.69	23.06	
14	13.82	14.81	15.86	16.95	18.09	19.28	20.52	21.81	23.15	24.54	
15	15.14	16.15	17.22	18.34	19.51	20.72	21.99	23,30	24.67	26.08	
16	16.50	17.54	18.64	19.78	20.97	22.21	23.50	24.84	26.23	27.67	
17	17.91	18.98	20.10	21.27	22.48	23.75	25.06	26.43	27.84	29.30	
18	19.38	20.47	21.61	22.80	24.04	25.33	26.67	28.06	29.50	30.99	
19	20.89	22.01	23.17	24.39	25.65	26.97	28.33	29.75	31.21	32.72	
20	22.45	23.59	24.78	26.02	27.31	28.65	30.04	31.48	32.97	34.51	
21	24.06	25.23	26.44	27.71	29.02	30.39	31.80	33.27	34.78	36.34	
22	25.72	26.91	28.15	29.44	30.78	32.17	33.61	35.10	36.64	38.22	
23	27.43	28.65	29.91	31.23	32.59	34.01	35.47	36.98	38.54	40.15	
24	29.19	30,43	31.72	33.06	34.45	35.89	37.38	38.91	40.50	42.14	
25	31.00	32.27	33.58	34.94	36.36	37.82	39.33	40.90	42.51	44.17	
26	32.86	34.15	35,49	36.88	38.31	39.80	41.34	42.93	44.56	46.25	
27	34.77	36.08	37.44	38.86	40.32	41.83	43.40	45.01	46.67	48.38	
28	36.72	38.06	39.45	40.89	42.38	43.91	45.50	47.14	48.82	50.56	
29	38.73	40.09	41.51	42.97	44.48	46.04	47.65	49.31	51.02	52.78	
30	40.78	42.17	43.61	45.10	46.64	48,22	49.86	51.54	53.28	55.06	
31	42.89	44.30	45.77	47.28	48.84	50.45	52.11	53.82	55.58	57.39	
32	45.04	46.48	47.97	49.51	51.09	52.73	54.41	56.15	57.93	59.77	
33	47.25	48.71	50.22	51.78	53.40	55.06	56.77	58.52	60.33	62.19	
34	49.50	50.99	52,52	54.11	55.75	57.43	59.17	60.95	62.78	64.67	
35	51.80	53.31	54.88	56.49	58.15	59.86	61.62	63.43	65.28	67.19	
5.24	54.15	20-10	1000	58.91		62.33	64.12	65.95	67.83	69.77	
36	56.56	55.69 58.12	57.28		60.60	10000000		68.52		72.39	
37	59.01	60.59	59.73	61.39	63.10	64.86	66.67	71.15	70.43		
38	61.51	63.12	62.23	63.91 66.49	65,65 68,25	67.43 70.06	71.91	73.82	75.78	77.78	
40	64.06	65.69	67.38	69.11	70.90	72.73	74.61	76.54	78.52	80.56	
	1.5.1.5.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1	SCHOOL S	1000			1000000	The second second		1.5		1
41	66.65 69.30	68.31	70.02	71.78	73.59	75.45	77.36	79.31 82.14	81.32	83.38 86.25	
42	72.00	make and	72.72	74.51 77.28	76.34	78.22	80.15 83.00	85.01	87.06		
43 44	74.75	73.71 76.48	75.47	80.10	79.14 81.98	81.04 83.91	85.90	87.93		92.14	
45	77.54	79.30	81.11	82.97	84.88	86.83	88.84	90.90			
12.1	10000	La Company	10000		1000	1 6 cm, 17 (20)	April 1		10 mm	100	
16	80.39 83.28	82.17	84.01	85.89	87.82	89.80	91.83	93.91 96.98	96.04	98.22 101.34	
47	86.23	85.09	86.95	88.86 91.88	90.81	92.82	94.88		102.28		
48	89.22	88.06 91.08	89.94 92.99	94.94	93.86	The second second	A STATE OF THE STA	1 4 4 4 4 4			ъ.
49 50	92.27	94.15	96.08			102.17			105.47 108.71		
-	-	-			-04.00		-	-			F
	1	2	3	4	5	6	7	8	9	10	п

Foet.	11	12	13	14	15	16	17	18	19	20	Feet.
0	9.30	10.44	11.64	12.88	14.17	15.51	16.90	18.33	19.82	21.36	0
1	10.17	11.34	12.56	13.82	15.14	16.50	17.91	19.38	20.89	22.45	1
2	11.09	12.28	13,52	14.81	16.15	17.54	18.98	20.47	22.01	23.59	2
3	12.06	13.28	14.54	15.86	17.22	18.64	20.10	21.61	23.17	24.78	1
4	13.08	14.32	15.61	16.95	18.34	19.78	21.27	22.80	24.39	26.02	1
5	14.15	15.41	16.73	18.09	19.51	20.97	22.48	24.04	25.65	27.31	1
6	15.27	16.56	17.90	19.28	20.72	22.21	23.75	25.33	26.97	28.65	
7	16.43	17.75	19.11	20.52	21.99	23.50	25.06	26.67	28,33	30.04	3
8	17.65	18.99	20.38	21.81	23.30	24.84	26.43	28.06	29,75	31.48	1
9	18.91	20.28	21.69	23.15	24.67	26.23	27.84	29.50	31.21	32.97	1
10	20.23	21.62	23.06	24.54	26.08	27.67	29.30	30.99	32.72	34.51	10
11	21.59	23.01	24.47	25.98	27.54	29.15	30.81	32.52	34.28	36.09	11
12	23.01	24.44	25.93	27.47	29.06	30.69	32.38	34.11	35.90	37.73	15
13	24.47	25.93	27.44	29.01	30.62	32.28	33,99	35.75	37.56	39.41	18
14	25.98	27.47	29.01	30.59	32.23	33.91	35.65	37.43	39.27	41.15	
15	27.54	29.06	30.62	32.23	33.89	35.60	37.36	39.17	41.02	42,93	13
16	29.15	30.69	32.28	33.91	35.60	37.33	39.12	40.95	42.83	44.77	16
17	30.81	32.38	33.99	35.65	37.36	39.12	40.93	42.78	44.69	46.65	17
18	32.52	84.11	35.75	37.43	39.17	40.95	42.78	44.67	46.60	48.58	18
19	34.28	35.90	37.56	39.27	41.02	42.83	44.69	46.60	48.56	50.56	
20	36.09	37.73	39.41	41,15	42.93	44.77	46.65	48.58	50.56	52.59	20
21	37.95	39.61	41.32	43.08	44.89	46.75	48.65	50.61	52.62	54.67	21
22	39.86	41.54	43.28	45.06	46.90	48.78	50.71	52.69	54.72	56.80	25
23	41.81	43.52	45.28	47.09	48.95	50.86	52.81	54.82	56.88	58.98	2
24	43.82	45.56	47.34	49.17	51.06	52.99	54.97	57.00	59.08	61.21	24
25	45.88	47.64	49.44	51.30	53.21	55.17	57.17	59.23	61.33	63.49	2
26	47.98	49.77	51.60	53.48	55.41	57.40	59.43	61.51	63.66	65.81	26
27	50.14	51.94	53.80	55.71	57.67	59.67	61.73	63.83	65.99	68.19	27
28	52.34	54.17	56.06	57.99	59.97	62.00	64.08	66.21	68.39	70.62	28
29	54.59	56.45	58.36	60.31	62.32	64.38	66.48	68.64	70.84	73.09	29
30	56.90	58.78	60.71	62.69	64.72	66.80	68.93	71.11	73.34	75.62	3(
31	59.25	61.15	63.11	65.12	67.17	69.28	71.43	73.64	75.89	78.19	31
32	61.65	63.58	65.56	67.59	69.67	71.80	73.98	76.21	78.49	80.81	32
33	64.10	66.06	68.06	70.12	72.22	74.38	76.58	78.83	81.16	83.49	38
34	66.60	68.58	70.61	72.69	74.82	77.00	79.28	81.51	83.83	86.21	34
35	69.15	71.15	73.21	75.31	77.47	79.67	81.93	84.23	86.58	88.98	35
36	71.75	73.78	75.86	77.99	80.17	82.40	84.67	87.00	89.38	91.80	36
37	74.40	76.45	78.56	80.71	82.91	85.17	87.47	89.82	92.22	94.67	37
38	77.09	79.17	81.30	83.48	85.71	87.99	90.31	92.69	95.12	97.59	88
39	79.84	81.94	84.10	86.30	88.56	90.86	93.21	95,61	98.06	100.56	39
40	82.64	84.77	86.94	89.17	91.45	93.78	96.15	98.58	101.06	103.58	40
41	85.48	87.64	89.84	92.09	94.40	96.75	99.15	101.60	104.10	106.65	41
12	88.38	90.56	92.78					104.67			
13	91.32	93.52	95.78					107.78			
14	94.31	96.54	98.82	101.15	103.52	105.95	108.43	110.95	113.52	116.15	44
15	97.36	99.61	101.91	104.27	106.67	109.12	111.62	114.17	116.77	119,41	43
16	100.45	102.78	105.06	107.48	109.86	112.33	114.86	117.43	120.06	122.73	46
17	103.59	105.90	108.25	110.65	113.10	115.60	118.15	120.75	123.40	126.09	47
18	106.78	109.11	111.49	113.91	116.39	118.91	121.49	124.11	126.78	129.51	48
49	110.02	112.38	114.78	117.23	119.73	122.28	124.88	127.52	130.22	132.97	45
50	113.31	115.69	118.12	120.59	123.12	125.69	128.31	130.99	133.71	136.48	5(
	11	12	13	14	15	16	17	18	19	20	Г

TABLE XXVIIL_BASE 31.—SLOPES 2 to 1.

Feet.	21	22	23	24	25	26	27	28	29	30	Post.
0	22.94	24.58	26.27	28.00	29.78	31,62	33.50	35.43	37.41	39.44	0
1	24.06	25.72	27.43	29.19	31.00	32.86	34.77	36.72	38.73	40.78	
2	25,23	26.91	28.65	30.43	32.27	34.15		38.06	40.09	42.17	
3	26.44	28.15	29.91	31.72	33.58	35.49	37.44	39.45	41.51	43.61	1
4	27.71	29.44	31.23	33.06	34.94	36.88	38.86	40.89	42.97	45.10	1
5	29.02	30.78	32.59	34.45	36.36	38.31	40.32	42.38	44.48	46,64	1
6	30.39	32.17	34.01	35.89	37.82	39.80	41.83	43.91	46.04	48.22	1
7	31.80	33.61	35.47	37.38	39,33	41.34	43.40	45.50	47.65	49.86	
8	33.27	35.10	36.98	38.91	40.90	42.93	45.01	47.14	49.31	51.54	1 8
9	34.78	36.64	38.54	40.50	42.51	44.56	46.67	48.82	51.02	53.28	1
10,	36.34	38.22	40, 15	42.14	44.17	46.25	48.38	50.56	52.78	55.06	10
11	37.95	39.86	41.81	43.82	45.88	47.98	50.14	52.34	54.59	56.90	11
12	39.61	41.54	43,52	45.56	47.64	49.77	51.94	54.17	56.45	58.78	
13	41.32	43.28	45.28	47.34	49.44	51.60	53.80	56.06	58.36	60.71	
14	43.08	45.06	47.09	49.17	51.30	53.48	55.71	57.99	60.31	62.69	
15	44.89	46.90	48.95	51.06	53.21	55.41	57.67	59.97	62.32	64.72	
16	46.75	48.78	50.86	52.99	55.17	57.40	59.67	62.00	64.38	66.80	
17	48.65	50.71	52.81	54.97	57.17	59.43	61.73	64.08	66.48	68.93	
18	50.61	52.69	54.82	57.00	59.23	61.51	63.83	66.21	68.64	71.11	
19	52.62	54.72	56.88	59.08	61.33	63.66	65.99	68.39	70.84	73.34	1-
20	54.67	56,80	58.98	61.21	63.49	65.81	68.19	70.62	73.09	75.62	
271	1000	70000	150000	10-26-50	Marin Chi	A 404 0	-33.195	V		UK A DOTH	100
21	56.78	58.93	61.14	63.39	65.69	68.04	70.44	72.90	75.40	77.94	
22	58.93	61.11	63.34	65.62 67.90	67.94	70.32	72.75	75.22	77.75	80.32	
23	61.14	63.34	65.59		70.25 72.60	72.65	75.10	77.60	80.15	82.75	
24	63.39	65.62	1000	70.22	the second second	75.02	77.50	80.02	82.60	85.22	
25	65.69	67.94	70.25	72.60	75.00	77.45	79.95	82.50	85.10	87.75	1
26	68.04	70,32	72.65	75.02	77.45	79.93	82.45	85.02	87.65	90.32	
27	70.44	72.75	75,10	77.50	79.95	82.45	85.00	87,60	90.25	92.94	
28	72.90	75.22	77.60	80.02	82.50	85.02	87.60	90.22	92,90	95.62	
29	75.40	77.75	80.15	82.60	85.10	87.65	90.25	92.90	95.59	98.34	
30	77.94	80.32	82.75	85.22	87,75	90.32	92,94	95.62	98.34	101.11	30
31	80.54	82.94	85.40	87.90	90.44	93.04	95.69	98.39	101.14	103.93	31
32	83.19	85.62	88.09	90.62	93,19	95,81	98.49	101.21	103.98	106.80	35
33	85.89	88.34	90.84	93.39	95.99	98.66	101.33	104.08	106.88	109.72	38
34	88.64	91.11	93.64	96.21			104.23				
35	91.43	93.93	96.48	99.08	101.73	104.43	107.17	109.97	112.81	115.71	3
36	94.28	96.80	99.38	102.00	104.67	107.40	110.17	112,99	115.86	118.78	36
37	97.17		102.32								
			105.31								
			108.36								
10	106.15	108.78	111.45	114.17	116.94	119.77	122.64	125.56	128.52	131.54	40
11	109 95	111 90	114.59	117 34	120 14	199 98	125 88	198 89	131 81	134 86	41
			117.78								
			121.02								
			124.31								
			127.65								
100	1.0000000	1000 100	110 / 9 191 / 9	W196 T.	Newborks A	minuse in Selver	Annual Section	100 B W.		100 - 4	1
			121.04		E-5-000-000	The second of the second			3000	0.2.2.2.2.2.2.2	1-
			134.48								
			137.97								
			$141.51 \\ 145.09$								
-				270.00	101.00	.51, 10	101121	250. 20	250,00	200.01	-
М	21	22	23	24	25	26	27	28	29	30	

Feet.	31	32	33	34	35	36	37	38	39	40	Foot.
0	41.52	43.65	45.83	48.06	50.34	52.67	55.04	57.47	59.94	62.47	-
1	42.89	45.04	47.25	49.50	51.80	54.15	56.56	59.01	61.51	64.06	1
2	44.30	46.48	48.71	50.99	53.31	55.69	58.12	60.59	63.12	65.69	5
3	45.77	47.97	50.22	52.52	54.88	57.28	59.78	62,23	64.78	67.38	
4	47.28	49.51	51.78	54.11	56.49	58.91	61.39	63.91	66.49	69.11	4
5	48.84	51.09	53.40	55.75	58.15	60.60	63.10	65.65	68.25	70.90	1
6	50.45	52.73	55.06	57.43	59.86	62.33	64.86	67.43	70.06	72.73	
7	52.11	54.41	56.77	59.17	61.62	64.12	66.67	69.27	71.91	74.61	1
8	53.82	56.15	58.52	60.95	63.43	65.95	68.52	71.15	73.82	76.54	
9	55.58	57.93	60.33	62.78	65.28	67.83	70.43	73.08	75.78	78.52	1
10	57.39	59.77	62.19	64.67	67.19	69.77	72.39	75.06	77.78	80.56	1
11	59.25	61.65	64.10	66.60	69.15	71.75	74.40	77.09	79.84	82.64	
12	61.15	63.58	66.06	68.58	71.15	73.78	76.45	79.17	81.94	84.77	
13	63.11	65.56	68.06	70.61	73.21	75.86	78.56	81.30	84.10	86.94	
14	65.12	67.59	70.12	72.69	75.31	77.99	80.71	83,48	86.30	89.17	
15	67.17	69.67	72.22	74.82	77.47	80.17	82.91	85.71	88.56	91.45	
16	69.28	71.80	74.38	77.00	79.67	82.40	85.17	87.99	90.86	93.78	
17	71.43	73.98	76.58	79.23	81.93		87.47	90.31	93.21	96.15	10.3
18	73.64	76.21	78.83	81.51	84.23		89.82	92.69	95.61	98.58	103
19	75.89	78.49	81.16	83.83	86.58		92.22	95.12		101.06	
20	78.19	80.81	83.49	86.21	88.98		94.67		100.56		
21	80.54	83.19	85.89	88.64	91.43	12 25 . 7 . 7					
22	82.94		88.34	91.11	93.93			100.12			
$\frac{22}{23}$		88.09	90.84				109 99	102.69	100.71	108.78	27
	85.40			96.21	96.48			105.31			
$\frac{24}{25}$	87.90 90.44	90.62 93.19	93.39 95.99		101 73	$102.00 \\ 104.67$	107.67	110.71	111.06	114.17	29
1.0	1000 1000		The same of the same of								
26	93.04	95.81				107.40					
27	95.69					110.17					
28						112.99					
						115.86 118.78					
7.14	100	Provide and Constitution	and the second		A STATE OF THE RESERVE OF THE PARTY OF THE P	The second second		1	A 400 - 100 -	Company of the Compan	
						121.75					
32	109.67	112.59	110.06	118.08	121.65	124.77	127.93	131.15	134.41	137.73	3
33	112.62	110.56	118.00	121.60	124.69	127.83	131.02	134.27	137.56	140.90	36
25	118 65	191 65	121.60	124.07	127.78	130.95 134.12	134.17	140 65	140.75	144.11	34
36	121.75	124.77	127.83	130.95	134, 12	137.33	140.60	143.91	147.28	150.69	30
37	124.09	121.95	101.02	107.40	140 05	140.60	140.09	147.23	150.62	154.06	3
00	120.00	101.10	107.27	140 75	140.00	143.91	150 00	154.09	154.01	157.47	36
40	194 61	197 79	140 90	144 11	140.00	$147.28 \\ 150.69$	154 06	157 47	107.44	160,93	3:
- 2/	and the second	the state of the last of	the second second	the second section of				15 14 14 15 15 16 1	No. Aug. Co., Aug.		
41	137.95	141.09	144.28	147.02	150.81	154.15	157.54	160.98	164.47	168,01	4.
12	141.34	144.01	147.72	154.50	157.64	157.67	161.08	164.54	168.06	171.62	43
43	144.78	147.97	151.21	159.00	107.84	161.23	104.67	168.15	171.69	175.28	4
44	148.27	151.48	104.70	108.06	101.43	164.84	108.30	171.81	175.38	178.99	4
				the fact of the same		168,50					
						172.21					
						175.97					
						179.78					
49	166.44	169.78	173.17	176.61	180.10	183,64	187.22	190.86	194.54	198.28	4
50	170.23	173.59	177.01	180.47	183,98	187.54	191.15	194.81	198.52	202.28	5(
	1 31	32	33	34	35	36	37	38	-	73.7	-
									39	40	

TABLE XXVIIL-BASE 31.-SLOPES 2 to 1.

Feet	41	42	43	44	45	46	47	48	49	50	Feet.
0	65.04	67.67	70.34	73.06	75.83	78.65	81.52	84.44	87.41	90.43	0
1	66.65	69,30	72.00	74.75	77.54	80.39	83.28	86.23	89.22	92.27	
2	68.31	70.99			79.30		85.09				
3	70.02	72.72	100000000000000000000000000000000000000	78.27	81.11	84.01	86.95		92.99	222435	
4	71.78	74.51	77.28	80.10	A COLUMN TOWN	and the same		91.88	94.94	422 55	
5	73.59	76.34	79.14	81.98	100000	87.82	90.81	1 30 63	10000	100.09	
6	75,45	78.22	81.04	83.91	86.83		12,776,57	95.89	7.7.	102.17	6
7	77.36	80.15	83,00	85.90	88.84					104.30	
8	79.31	82.14			90.90					106.48	
9	81.32	84.17	87.06		93.00	96.04		102.28		8	9
10	83.38	86.25	89.17	92.14	95.15	0.00			0.000	110.99	
11	85.48	88.38		94.31						113.31	
12	87.64	90.56		96.54	the second second					115.69	4
13	89,84	92.78								118.12	
14	92.09	95.06								120.59	
15	94.40	25 1000	100.43		Service Service	10 mm	A 100		200		17
16	96.75		102.83								
17			105.28								
			107.78								
			110.33								
-61	200	400000	112.93		5.00000		CO. 100	000000	500000	December 1989	U.S.
			115.58								
			118.28								
			121.02								
			123.82								
25	120.14	123.38	126.67	130.01	133.40	136.83	140.32	143.86	147.44	151.08	25
			129.56								
			132.51								
			135.50								
			138.54								
			141.64		1000	1000	13 5 5 TO 15		127 5 550	125/2012	
			144.78								
			147.97			4 16 4 16 16	10.00		10 22 2 10 2 2	1	
			151.21								
			154.50								
35	150.81	154.30	157.84	161.43	165.06	168.75	172.48	176.27	180.10	183.98	35
			161.23								
			164.67								
			168.15								
			171.69								
001			175.28		ALC: NO. CO.	1 1 1 1 1 1 1 1 1 1 1 1 1	The second second		12222	11977	
			178.91								
			182.60								
			186.33								
			190.12								
~ vi	and the last		193.95		C	A CONTRACTOR	1.00		er Chest start	Control of the Control	1
			197.83								
			201.77								
			205.75								
			209.78								
90	206.09	209.95	213.86	217.81	221.82	225.88	229.98	284.14	238.34	242.59	50
	41	40	49	44	45	10	47	10	40	50	-
- 1	41	42	43	44	45	46	47	48	49	50	

TABLE XXIX.—BASE 31.—SLOPES 2 to 1 on one side, and 3 to on the opposite side.

Feet.	1	2	3	4	5	6	7	8	9	10	Feet.
0	0.60	1.27	2.00	2.79	3.64	4.56	5.53	6.57	7.67	8.83	0
1	1.24	1.94	2.70	3.52	4.40	5.35	6.35	7.42	8.55	9.74	1
2	1.94	2.67	3.46	4.31	5.22	6.20	7.23	8,33	9.49	10.72	2
3	2.70	3.46	4.28	5.16	6.10	7.11	8.18	9.31	10.50	11.75	. 8
4	8.52	4.31	5.16	6.07	7.05	8.09	9.19	10.35	11.57	12.85	4
5	4.40	5.22	6.10	7.05	8.06	9,12	10.25	11.44	12.70		
6	5.35	6.20	7.11	8.09	9.12	10.22	11.38	12.60	13.89	15.23	6
7	6.35	7.23	8.18	9.19	10.25	11.38	12.57	13.83	15.14	16.52	1
8	7.42	8.33	9.31	10.35	11.44	12.60	13.83	15.11	16.46	17.86	1
9	8.55	9.49	10.50	11.57	12.70	13.89	15.14	16.46	17.83	19.27	1
10		10.72	11.75	12.85	14.01	15.23	16.52	17.86	19.27	20.74	10
11	10.99	12.00	13.07	14.20	15.39	16.64	17.96	19.33	20.77	22.27	1
12	12.31	18.35	14.44	15.60	16.83	18,11	19.46	20.86	144 16 16		
13	13.69		15.88	17.07	18.33	19.64	21.02	22.46			
14	15.12	16.22	17.38	18.60	19.89	21.23	22.64	24.11	25.64	27.23	
15	16.62	17.75	18.94		21.51	22.89	24.33	25.83	27.39	29.01	
16	18.19	1 4 1 4 1 10	20.57	21.85	23.20	24.60	26.07	27.60	29.20	30.85	16
17	19.81	21.00		23.57	24.94		27.88	29.44	31.07	32.75	
18	21.49	22.72	24.00	25.35	26.75	28.22	29.75	31.35	33.00		
19	23.24	24.49	25.81	27.19	28.62	30.12	31.69	33.31	34.99	36.74	
20	25.05		27.68		80.56		33.68			38.83	
21	26.92	28.23	29.61	31.05	32.55	34,11	35.73	37.42	39.17	40.98	100
$\frac{21}{22}$	28,85	30.20	31.60	33.07	34.60	36.20	37.85	39.57	41.35	43.19	
	30.85	32.22	33.66			38.35	40.03			45.46	
$\frac{23}{24}$	32.90	34.31	35.78	37.31	38.90	40.56	42.27	44.05	45.89	47.79	
25	35.02	36.46	37.96	39.52	41.14	42.83	44.57	46.38	48.25	50.19	
	1.40	1000000	1000	STATE OF THE PARTY OF		100 Jan 1997	200	48.78		52.64	
26	37.20	38.67	40.20	41.79	43.44		46.94			55.16	
27	39.44	40.94	42.50	44.12	45.81	47.56	49.36	53.75	55.72	57.74	
28	41.74	43.27	44.86	46.52	48.23 50.73	50.01 52.53	51.85 54.40		58.33	60.38	
29	44.10	45.67	47.29	48.98	53.27	55.11	57.01		61.00	63.09	
30	46.53	48.12	49.78	1122	2000 1200	In the print of	1000000	10000	10.00	1000	C
31	49.02	50.64	52.33		55.88	57.75	59.69	61.68	63.73	65.85	
32	51.57	53.22	54.94	56.72	58.56	60.46	62,42	64.44	66.53	68.68	
33	54.18		57.61	59.42	61.29	63.22	65, 22	67.27	69.39	71.57	
34	56.85	58.57	60.35	62.19	64.09	66.05	68.07	70.16		74.52	
35	59.59	61.33	63.14	65.01	66.94	68.94	70.99	73.11	75, 29	77.53	100
36	62.38	64.16	66.00		69.86	71.89	73.98	76.12	78.33	80.60	
37	65.24	67.05	68.92	70.85	72.85	74.90		79.20		83.74	1
38	68.16	70.00	71.90		75.89	77.98	80.12	82,33			
39	71.14	73.01	74.94	76.94	78.99	81.11	83.29	85.53			
40	74.19	76.09	78.05	80.07	82.16	84.31	86.52	88.79	91.12	93.52	41
41	77.29	79.22	81.22	83.27	85.39	87.57	89,81	92.11	94.48	96.90	4
12	80.46	82.42	84.44	86.53	88.68	90.89	93.16	95.49	97.89	100.35	45
43	83.69	85.68	87.73		92.03	94.27	96.57	98.94	101.36		
44	86.98	89.00	91.09	93.23	95.44		100,05				
45	90.33	92.38	94.50	96.68	98.92	101.22	103.59	106.01	108.50	111.05	4
46	98.74	95.83	97.98	100.19	102.46	104.79	107.19	109.64	112.16	114.74	4
47	97.22		101.51	103.75	106.06	108.42	110.85	113.33	115.88	118.49	4
		102.90	105.11	107.38	109.72	112, 11	114.57	117.09	119.67	122.31	45
49	104.85	106.53	108.77	111.07	113.44	115.86	118.35	120.90	123.51	126.19	45
50	108.01	110.22	112,49	114.83	117.22	119.68	122.20	124.78	127.42	130.12	5
	-,-,-,-							126.00			-
	11 - 11	100	- 2	-	La C		2.1			1	

Feet	41	42	43	44	45	46	47	48	49	50	Page
0	65.04	67.67	70.34	73.06	75.83	78.65	81.52	84.44	87.41	90.43	1
1	66.65	69.30	72.00	74.75			83.28	86.23	89.22	92.27	
2	68.31	70.99	73.71	76.48	79.30	82.17	85.09	88.06	91.08	94.15	
3	70.02	72,72	75,47	78.27	81.11	84.01	86.95	89.94	92.99	96.08	
4	71.78	74.51	77.28	80.10		85.89	88.86	91.88	94.94	98.06	
5	73.59	76.34	79.14	81,98	84.88	87.82	90.81	93.86	96.95	100.09	1
6	75.45	78.22	81.04	83.91	86.83	89.80	92.82	95.89	99.01	102.17	1
7	77.36	80.15	83.00	85.90	88.84	91.83	94.88		101.11		
8	79,31	82.14	85.01	87.93		93.91		100.10			
9	81.32	84.17	87.06	90,01	93.00	The second second	A 100 TO 100 TO 1	102.28		the second second	
10	83.38	86.25	89.17	92.14	95.15	98.22	101.34	104.51	107.72	110.99	1
11	85.48	88.88	91.32	94.31						113.31	
12	87.64	90.56	93.52	96.54						115.69	
13	89.84	92.78	95.78							118.12	
14	92.09	95.06								120.59	
15	94.40	97.39	100.43	103.52	106.67	109.86	113.10	116.39	119.73	123.12	1
16	96.75									125.69	
17	99.15	102.19	105.28	108.43	111.62	114.86	118.15	121.49	124.88	128.31	1
										130.99	
										133.71	
20	106.65	109.77	112.93	116.15	119.41	122.73	126.09	129.51	132.97	136.48	2
21	109.25	112.39	115.58	118.82	122.11	125.45	128.84	132.28	135.77	139.30	2
22	111.90	115.06	118.28	121.54	124.86	128.22	131.64	135.10	138.61	142.17	2
										145.09	
										148.06	
25	120.14	123.38	126.67	130.01	133.40	136.83	140.32	143.86	147.44	151.08	2
26	122.98	126.25	129.56	132.93	136.34	139.80	143.31	146.88	150.49	154.15	2
27	125.88	129.17	132.51	135.90	139.33	142.82	146.36	149.94	153.58	157.27	2
28	128.82	132.14	135.50	138.91	142.38	145.89	149.45	153.06	156.72	160.43	2
										163,65	
30	134.86	138.22	141.64	145.10	148.61	152.17	155.78	159.44	163.15	166.91	3
31	137.95	141.34	144.78	148.27	151.80	155.39	159.02	162.71	166.44	170.23	3
32	141.09	144.51	147.97	151.48	155.04	158.65	162.31	166.02	169.78	173.59	3
33	144.28	147.72	151.21	154.75	158.33	161.97	165.65	169.39	173.17	177.01	3
										180.47	
35	150.81	154.30	157.84	161,43	165.06	168.75	172.48	176.27	180.10	183.98	3
36	154.15	157.67	161.23	164.84	168.50	172.21	175.97	179.78	183.64	187.54	3
37	157.54	161.08	164.67	168.30	171.99	175.72	179.51	183.34	187.22	191.15	3
38	160.98	164.54	168.15	171.81	175.52	179.28	183.09	186.95	190.86	194.81	3
39	164.47	168.06	171.69	175.38	179.11	182.90	186.73	190.61	194.54	198.52	3
10	168.01	171.62	175.28	178.99	182.75	186.56	190.41	194.32	198.28	202.28	4
11	171.59	175.23	178.91	182.65	186.43	190.27	194.15	198.08	202.06	206.09	4
42	175.23	178.89	182.60	186.36	190.17	194.02	197.93	201.89	205.90	209.95	4
13	178.91	182,60	186.33	190.12	193.95	197.83	201.77	205.75	209.78	213.86	4
										217.81	
15	186,43	190.17	193.95	197.78	201.67	205.60	209.58	213.61	217.69	221.82	4
16	190.27	194.02	197.83	201.69	205.60	209.56	213.56	217.62	221.72	225.88	4
										229.98	
										234.14	
										238.34	
50	206,09	209.95	213.86	217.81	221.82	225.88	229.98	234.14	238.34	242.59	5
	41	42	43	44	1.00	46	47	1	4	10.3	1

TABLE XXIX.—BASE 31.—SLOPES 2 to 1 on one side, and 3 to on the opposite side.

Feet.	1	2	3	4	5	6	7	8	9	10	Feet.
0	0.60	1.27	2.00	2.79	3.64	4.56	5.53	6.57	7.67	8.83	0
1	1.24	1.94	2.70	3.52	4.40	5.35	6.35	7.42	8.55	9.74	1
2	1.94	2.67	3.46	4.31	5.22	6.20	7.23	8.33	9,49	10.72	2
3	2.70	3.46	4.28	5.16	6.10	7.11	8.18	9.31	10.50	11.75	2
4	3.52	4.31	5.16	6.07	7.05	8.09	9.19	10.35	11.57	12.85	4
5	4.40	5.22	6.10	7.05	8.06	9.12	10.25	11.44	12.70	14.01	E
6	5.35	6.20	7.11	8.09	9.12	10.22	11.38	12.60	13.89	15.23	6
7	6.35	7.23	8.18	9.19	10.25	11.38	12.57	13.83	15.14	16.52	17
8	7.42	8.33	9.31	10.35	11.44	12.60	13.83	15.11	16.46	17.86	8
9	8.55	9.49	10.50	11.57	12.70	13.89	15.14	16.46	17.83	19.27	5
10	9.74	10.72	11.75	12.85		15.23	16.52	17.86	19,27	20.74	10
11	10.99	12.00	13.07	14.20	15.39	16.64	17.96	19.33	20.77	22.27	11
12	12.31	13.35	14.44	15.60		18.11	19.46	20.86	22.33	23.86	
13	13.69	14.75	15.88	17.07	18.33	19.64	21.02	22.46	23.96	25.52	
14	15.12	16.22	17.38	18.60	19.89	21.23	22.64	24.11	25.64	27.23	
15	16.62	17.75	18.94	20.20	21.51	22.89	24.33	25,83	27.39	29.01	
16	18.19	19.35	20.57	21.85	23.20	24.60	26.07	27.60	29.20	30.85	16
17	19.81	21.00	22.25	23.57	24.94	26.38	27.88	29.44	31.07	32.75	
18	21.49	22.72	24.00	25.35	26.75	28.22	29.75	31.35	33.00	34.72	
19	23.24	24.49	25.81	27.19	28.62	30.12	31.69	33.31	34.99	36.74	
20	25.05	26.33	27.68	29.09	30.56	32.09	33.68	35.33	37.05		
21	26.92	28, 23	29.61	31.05	32.55	34.11	35.73	37.42	39.17	40.98	
$\frac{21}{22}$	28.85	30.20	31.60	33.07	34.60	36.20	37.85	39.57	41.35	43.19	
	30.85	32.22	33.66	35.16	36.72	38.35	40.03	41.78	43.59	45.46	
23	32.90	34.31	35.78	37.31	38.90	40.56	42.27	44.05	45.89	47.79	
$\frac{24}{25}$	35.02	36.46		39.52	41.14	42.83	44.57	46.38	48.25	50.19	
- 6	37.20	38.67	40.20	41.79	43.44	45.16	46.94	48.78	50.68	52.64	100
26 27	39.44	40.94	42.50	44.12	45.81	47.56	49.36	51.23	53.17	55.16	
28	41.74	43.27	44.86	46.52	48.23	50.01	51.85	58.75	55.72	57.74	
29	44.10	45.67	47.29	48.98	50.73	52.53	54.40	56.33	58,33	60.38	
30	46.53	48.12	49.78	51.49	53.27	55.11	57.01	58.98	61.00	68.09	
31	49.02	50.64	52.33	54.07	55.88	57.75	59.69	61.68	63.73	65.85	31
32	51.57	53.22	54.94	56.72	58.56	60.46	62.42	64.44	66,53	68.68	
	54.18	55.86	57.61	59.42	61.29	63.22	65.22	67.27	69.39	71.57	
33	56.85	58.57	60.35	62.19	64.09	66.05	68.07	70.16	72.31	74.52	
34 35	59.59	61.33	63.14	65.01	66.94	68.94	70.99	73.11	75.29	77.53	
36	62.38	64.16	66.00	67.90	69.86	71.89	73.98	76.12	78.33	80.60	
37	65.24	67.05	68.92	70.85	72.85	74.90	77.02	79.20	81,44	83.74	
					24.00	77.98	80.12	82.33	84.60		
38	68.16	70.00	71.90 74.94	73.86 76.94	78.99	81.11	83.29	85.53	87.83		
40	74.19	76.09	78.05	80.07	6 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	84.31	86.52	88.79	91.12		
0.31	C 00 C C N	100000000000000000000000000000000000000	81.22		200 000	87.57	89.81	92.11	94.48	7 7 1 1 1 1 1	
41	77.29 80.46	79.22 82.42	84.44	83.27 86.53		90.89	93.16			100.35	
$\frac{42}{43}$	83.69	85.68	87.78	89.85		94.27	96.57		101.36		
	86.98		91.09				100.05				
44		89.00		93,23			103.59				
45	90.33	92.38		96.68			The second second		10.00		
46	93.74	95.83	97.98	100.19	102.46	104.79	107.19	119.64	115 99	114.74	41
47	97.22	99.33	101.51	105.75	106.06	108.42	110.85	117.00	110.00	100.49	4
48	100.75	102.90	105.11	107.38	109.72	112.11	114.57	100.00	199 51	122.31	40
49	104.35	106.53	108.77	111.07	113.44	115.86	118.35	120.90	125.51	126.19	41
50	108,01	110.22	112.49	114.83	117.22	119.68	122,20	124.78	127.42	130.12	00
	1	2	3	4	5	6	7	8	9	10	

TABLE XXIX.—BASE 31.—SLOPES 2 to 1 on one side, and 3 to 1 on the opposite side.

Feet.	11	12	13	14	15	16	17	18	19	20	9
0	10.05	11.33	12.68	14.09	15.56	17.09	18.68	20.33	22.05	23,83	1
1		12.31	13.69	15.12	16.62	18.19	19.81	21.49	23.24	25.05	
2		13.35		16.22	17.75		21,00		24.49	26.33	
3	13.07	14,44		17.38		20.57	22.25	24.00	25.81	27.68	
4		15.60			20.20			25.35		29.09	1
5	15.39	16.83		19.89	21.51	23,20	24.94	26,75	28,62	30.56	
6	16.64	18.11	19.64	21.23	22.89	24.60	26.38	28.22	30.12	32.09	ı
7		19.46		22.64				29.75	31.69	33.68	ľ
8	19.33	20.86		24,11	25.83		29.44	31.35	33.31	35.33	
9	20.77	22.33		25.64	27.39		31.07	33.00	34.99	37.05	l
0	22.27	23.86		27.23	29,01	30.85	32.75	34,72		38.83	j
11	23.83	25.46	The state of the state of	28.89	30.70	32.57	84.50	36.49	38.55	40.67	h
2	25.46	27,11	28.83	30.60	32.44		36.31	38.33	40.42	42.57	
3	27.14	28.83	30.57	32.38	34.25	36.19	38.18	40.23	42.35	44.53	
14	28.89	30.60	32.38	34.22	36.12	38.09	40.11	42.20	44.35	46.56	
5	30.70	32.44		36.12	38.06	100	42.10	44.22	46.40	48.64	
6	32.57	34.35	36.19	38.09	40.05	42.07	44.16	46.31	48.52	50.79	١.
7	34.50	36.31	38.18	40.11	42.10	44.16	46.28	48.46	50.70	53.00	
8	36.49	38.33	40.23	42.20	44.22	46.31	48.46	50.67	52.94	55.27	₽.
19	38.55	40.42	42.35	44.35	46.40	48.52	50.70	52.94		57.60	
05	40.67	42.57	44.53	46.56	48.64	50.79	53.00	55.27	57.60	60.00	
1	42.85	44.78	46.77	48.83	50.94	53.12	55.36	57.67	11207 304	62.46	
22	45.09	47.05	49.07	51.16	53.31	55.52	57.79	60.12	62.52	64.98	
3			E - 22	53.56	55.73	57.98	60.28	62.64	65.07		
24	47.39	49.38	51.44	56.01	58.22	60.49	62.83	65.22	67.68	67.56 70.20	
25	52.18	51.78	53.86	58.53	60.77	63.07	65.44	67.86	70.35	72.90	
	10.37 . 1.4	54.23	56.35	1.1.0 (3.0)		1.600.000	1000 1000	100	ACTUAL DESIGNATION	200	ı.
26	54.67	56.75	58.90	61.11	63.38	65.72	68.11	70.57	73.09	75.67	
27	57.22	59.33	61.51	63.75	66.06	68,42	70.85	73.33	75.88	78,49	
85	59.83	61.98	64.19	66.46	68.79	71.19	73.64	76.16	78.74	81.38	
19	62.50	64.68	66.92	69.22	71.59	74.01	76.50	79.05	81.66	84.33	
10	65.23	67.44	69.72	72.05	74.44	76.90	79.42	82.00	84.64	87.35	r.
31	68.03	70.27	72.57	74.94	77.36	79.85	82.40	85.01	87.69	90.42	
32	70.89	73,16	75.49	77.89	80.35	82.86	85.44	88.09	90.79	93.56	
33	73.81	76.11	78.48	80.90	83.39		88.55	91.22	93,96	96.75	
14	76.79	79.12	81.52	83.98	86.49	89.07	91.72	94.42		100.01	
5	79.83	82,20	84.62	87.11	89.66	92.27	94.94	97.68	100.48	103.33	F
6	82.94	85.33	87.79	90.31	92.89	95.53	98.23	101.00	103.83	106.72	E
37	86.10	88.53	91.02	93.57	96.18	98.85	101.59	104.38	107.24	110.16	1
18	89.33	91.79	94.31	96.89	99.53	102.23	105.00	107.83	110.72	113.67	1
19	92.62	95.11	97.66	100.27	102.94	105.68	108.48	111.33	114.25	117.23	á
0	95.98	98.49	101.07	103.72	106.42	109.19	112.01	114.90	117.85	120.86	14
1	99.39	101.94	104.55	107.22	109.96	112.75	115.61	118.53	121.51	124.56	4
2			108.09								
			111.69								
			115.35								
			119.07								
201	2.50		122.85	THE STATE OF		Maria Coll				Mark Tolland	ю
			126.70								
			130.60								
			134.57								
		135.72									

TABLE XXIX.—BASE 31.—SLOPES 2 to 1 on one side, and 3 to 1 on the opposite side.

Feet	21	22	23	24	25	26	27	28	29	30	Fact
0	25.67	27.57	29.53	31.56	33.64	35.79	38.00	40.27	42.60	45.00	-
1	26.92	28.85	30.85	32.90	35.02	37.20	39,44	41.74	44.10	46.53	
2	28,23	30.20	32.22	34.31	36.46		40,94	43.27	45,67	48.12	13
3	29.61	31.60	33.66	35.78	37.96		42.50	44.86	47.29	49.78	
4	31.05	33.07	35.16	37.31	39.52	41.79	44.12	46.52	48.98	51.49	
5	32.55	34,60	36.72	38.90	41.14	43.44	45.81	48.23	50.72	58.27	
6	34.11	36.20	38.35	40.56	42.83	45.16		50.01	52.53	55.11	
7	35.73	37.85	40.03	42.27	44.57	46.94	49.36	51.85	54.40	57.01	1
8	37.42 39.17	39.57 41.35	41.78	44.05	46.38	48.78 50.68	51,23 53,17	53.75 55.72	56.33 58.33	58.98 61.00	
9	40.98	43.19	45.46	47.79	50.19	52.64	55.16	57.74	60.38	63.09	
			47.39	49.75	52.18	1 1 1 1 1 1 1 1	57.22	130.00	62.50	65.23	1
11	42.85	45.09	49.38	51.78	54.23	54.67 56.75	59.33	59.83 61.98	64.68	67.44	
13	46.77	49.07	51.44	53.86	56.35	58.90	61.51	64.19	66.92	69.72	
14	48.83	51.16	53.56	56.01	58.53	61.11	63.75	66.46	69.22	72.05	
15	50.94	53.31	55.73	58.22	60.77	63.38	66.06	68.79	71.59	74.44	
16	53.12	55.52	57.98	60,49	63.07	65.72	68.42	71.19	74.01	76.90	1
17	55.36	57.79	60.28	62.83	65.44	68.11	70.85	73.64	76.50	79.42	
18	57.67	60,12	62.64	65.22	67.86	70.57	73.33	76.16	79.05	82.00	1
19	60.03	62.52	65.07	67.68	70.35	73.09	75.88	78.74	81.66	84.64	1
20	62.46	64.98	67.56	70.20	72.90	75.67	78.49	81.38	84.33	87.35	2
21	64,94	67.49	70.10	72.78	75.51	78.31	81.17	84.09	87.07	90.11	2
22	67.49	70.07	72.72	75.42	78.19	81.01	83.90	86.85	89.86	92.94	2
23	70.10	72.72	75.39	78.12	80.92	83.78	86.70	89.68	92.72	95.83	
24	72.78	75.42	78.12	80.89	83.72	86.60	89.56	92.57	95.64	98.78	
25	75.51	78.19	80.92	83.72	86.57	89.49	92.48	95.52		101.79	n.
26	78.31	81.01	83.78	86.60	89.49		95.46		101.67		
27	81.17	83.90	86.70	89.56	92.48			101.60			
28	84.09	86.85	89.68	92.57	95.52			104.74			
29	87.07	89.86	92.72	95.64		101.67 104.86					
30	90.11	92.94	95.83	7.000 30000	11 2 3 3 3 5 5 5	March Committee of the	1100-0-0-10	11 71 70	100000000000000000000000000000000000000	17 11 200	h.
31	93.22	96.07				108.12					
32	96.38	102.53				111.44					
		105.85									
35	106.25	109.23	112.28	115.38	118.55	121.78	125.07	128.42	131.83	135.31	3
	M. Children and April 1985	112.68	A start Product	a first on the con-		100 200 100 100	1000	to the same at the	introduction of	What and the same	L
		116.19									
		119.75									
		123.38									
10	123.94	127.07	130, 27	133,53	136.85	140.23	143.68	147.19	150.75	154.38	4
11	127.66	130.83	134.06	137.35	140.70	144.11	147.59	151.12	154.72	158.38	4
12	131.44	134.64	137.90	141.22	144.60	148.05	151.56	155.12	158.75	162.44	4
13	135.29	138.52	141.81	145.16	148.57	152.05	155.59	159.19	162.85	166.57	4
14	139.20	142.46	145.78	149.16	152.60	156.11	159.68	163.31	167.00	170.75	4
		146.46									
16	147.20	150.52	153.90	157.35	160.85	164.42	168.05	171.74	175.49	179.31	4
17	151.29	154.64	158.06	161.53	165.07	168.67	172.33	176.05	179.83	183.68	4
10	155.44	158.83	162.27	165.78	169.35	172.98	176.67	180.42	189 70	100 60	4
		163.07 167.38									
	100.34	107.00	170.00	114.40	170.00	101.70	130.00	130.00	200.22	201.10	Ĺ
				-							1

TABLE XXIX.—BASE 31.—SLOPES 2 to 1 on one side, and 3 to 1 on the opposite side.

Pool	31	32	33	34	35	36	37	38	39	40	Post.
0	47.46	49.98	52.56	55.20	57.90	60.67	63.49	66.38	69.83	72.35	
1	49,02	51.57	54.18	56.85	59.59	62.38	65.24			74.19	
2	50.64	53.22	55.86	58,57	61.33	64.16		70.00			
3	52.33		57.61	60.35	63.14	66.00	68.92		74.94	78.05 80.07	3
5	54.07	56.72 58.56	59.42 61.29	62.19	65.01	67.90 69.86	70.85	75.89	1224 122	82.16	
	55,88		34150								6
6	57.75	60.46	63.22	66.05 68.07	68.94	71.89	74.90			86.52	
8	59.69 61.68	62.42	67.27	70.16	73.11	76.12	79.20			The second second	1 100
9	63.73	66.53	69.39	72.31	75.29	78.33			87.83		9
10	65.85	68.68	71.57		77.53	80.60		86.94	90.20	93.52	10
11	68.03	70.89		76, 79	79.83	82.94	86.10	89.33	92.62	95.98	11
12	70.27	73.16	76.11	79.12	82.20		The second second			98.49	
13	72.57	75.49	78.48	81.52	84.62			94.31	97.66	101.07	13
14	74.94	77.89	80.90	83.98	87.11	90.31				103.72	
15	77.36	80.35	83.39	86.49	89.66	92,89	96.18	99.53	102.94	106.42	15
16	79.85	82.86	85.94	89.07	92.27	95.53	98.85	102.23	105.68	109.19	16
17	82.40		88.55							112.01	
18	85.01	88.09			97.68						
19	87.69	90.79			100.48						
20	90.42	and the second			103.33		Marine and the second	and the second second second	manual from the	The second second	
21	93.22	96.38	99.61	102.90	106.25	109.67	113.14	116.68	120.28	123.94	21
22			102.53								
			105.51								
			108.56 111.66								
									100000000000000000000000000000000000000		4
20	108.12	111,44	114.83 118.06	191 52	121.78	120.00	120.98	196 05	130.42	149.68	27
			121.35								
29	117.81	121 22	124.70	128. 23	131.83	135.49	139.22	143.00	146.85	150.75	25
30	121.16	124.60	128.11	131.68	135.31	139.00	142.75	146.57	150.44	154.38	30
	W - W - S-1	the second second	131.59		bereit and the second		more const	and the second second	10000 10		b
			135.12								
			138.72								
			142.38								
3.5	138.85	142.44	146.10	149.83	153.61	157.46	161.36	165.33	169.36	173.46	35
36	142.57	146.20	149.89	153.64	157.46	161.33	165.27	169.27	173.33	177.46	36
37	146, 35,	150.01	153.73	157.52	161.36	165.27	169.24	173.27	177.36	181.52	37
18	150, 20	153,89	157.64	161.46	165.33	169.27	173.27	177.33	181.46	185.64	38
			161.61								
37.4	100	No. 34 March	165.64	2000 200	the state of the state of		124 6 1200	Common State of	No activities to	A 8 8 45 A	Da a
			169.73								
12	166, 20	170.01	173.89	177.83	181.83	185.89	190.01	194.20	198.44	202.75	42
14	170, 35	174.20	178.10	182.07	186. 10	190.20	194.35	203 00	202.85	211 69	4.0
			182.38 186.72								
											F
17	183, 19	187.12	191.12	195, 19	199.31	203.49	207.74	212.05	210.42	220.85	47
			195.59 200.11								
19	196.57	200.00	204.70	208.85	218.07	217.35	221.69	226.09	280.55	235.07	49
50	201.16	205.22	209.35	213.53	217.78	222.09	226.46	230.89	235.38	239.64	56
7	31	32	33	34	35	36	37.	38	39	40	

ď

TABLE XXIX.—BASE 31.—SLOPES 2 to 1 on one side, and 3 to 1 on the opposite side.

		42	43	44	45	46	47	48	49	50	Feet.
0	75.42	78.56	81.75	85.01	88 33	91.72	95.16	98.67	102.23	105.86	0
1	77.29	80.46	83.69	86.98	90.33	93.74	97.22	100.75	104.35	108.01	1
2	79.22	82.42	85.68	89.00	92.38	95.83	99.33	102,90	106.53	110, 22	2
3	81,22	84,44		91.09			101.51				2
4	83.27	86.53	89.85	93.23	1 (2) all (2) (2)		103,75				4
5	85.39	88.68	92.03	95.44	98.92	102,46	106.06	109.72	113.44	117.22	E
6	87.57	90.89	94.27	97.72	101.22	104.79	108.42	112.11	115.86	119.68	6
7	89.81	93.16					110,85				7
8	92.11	95.49					113,33				8
9	94.48		101.36		3 7 7 7 7 7 7 7	1				Comment to the	6
10	96.90	100.35	103.85	107.42	111.05	114.74	118.49	122.31	126.19	130.12	10
11	99.39	102.86	106.40	110.00	113.66	117.38	121.17	125.01	128.92	132.89	11
12	101,94	105,44	109.01	112.64	116.33	120.09	123.90	127.78	131.72	135.72	12
			111.69								
			114.42								14
15	109.96	113.56	117.22	120.94	124.72	128.57	132,48	136.44	140.48	144.57	15
16	112.75	116.38	120.07	123.83	127.64	131.52	135.46	139.46	143.52	147.64	16
			122.99								
			125.98								
19	121.51	125.23	129.02	132.86	136.77	140.74	144.77	148.86	153,02	157.23	19
20	124.56	128.31	132.12	136.00	139,94	148.94	148.00	152.12	156.31	160.56	20
21	127.66	131.44	135.29	139.20	143.17	147.20	151.29	155.44	159.66	163.94	21
			138.52								
			141.81								
24	137.35	141,22	145.16	149.16	153.22	157.35	161.53	165.78	170.09	174.46	24
			148.57								
26	144.11	148.05	152.05	156.11	160.23	164.42	168.67	172.98	177.85	181.78	26
			155.59								
			159.19								
			162,85								
			166.57								
507		Try to all to be	170.35		V 4 2 7 1 M	Laboration of	between the same	45.000		aren't str	194
			174.20								
			178.10								
			182.07								
			186.10								
201			190.20	5301-0			0.00000		3666058		1
			194.35								
			198.57								
			202.85								
4 14		and the second	207.19		the water makes	C	A 100 CO. 100 CO.			S	
- 1			22.710.01		1000	12 m 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				57.4	
			211.59								
			216.05 220.57								
			225.16								
			229.16 229.81								
- 4		Acres Acres			100 Sept. 100 Se	1.000000	12 / 2 - 2		A 100 CO. S. T.	The trade of the same	100
			234.52								
			239.29								
			244.12								
			249.02								
00	444,06	240, 25	253.98	200.78	200.04	200.07	210.06	210.00	200.72	200,00	00

Feet.	1	2	3	4	5	6	7	8	9	10	Feet.
0	0.68	1.41	2.17	2.96	3.80	4.67	5.57	6.52	7.50	8.52	1
1	1.39	2.13	2.91	3.72	4.57	5.46	6.39	7.35	8.35	9.39	1
2	2.13	2.89	3.68	4.52	5.39	6.30	7.24	8.22	9.24	10.30	1
3	2.91	3.68	4.50	5.35	6.24	7.17	8.13	9.13	10.17	11.24	1
4	3.72	4.52	5.35	6.22	7.13	8.07	9.05	10.07	11.13	12.22	1
5	4.57	5.39	6.24	7.13	8.05	9.02	10.02	11.05	12.13	13.24	1
6	5.46	6.30	7.17	8.07	9.02	10.00	birth and	N A 20 A	1000000		1
7			8.13		10.02	100000000000000000000000000000000000000	11.02	12.07	13,17	14.30	
8	6.39	7.24 8.22		9.05	100.5512-24	11.02	12.05	13.13	14.24	15.39	1
9			9.13	10.07	11.05	12.07	13.13	14.22	15.35	16.50	4
	8.35	0.21	10.17	11.13	12.13	13.17	14.24	15.35	16.50	17.68	
10	9.39	10.30	11,24	12.22	13.24	14.30	15.39	16.50	17.68	18.89	1
11	10.46	11.39	12.35	13.35	14.39	15.46	16.57	17.72	18.91	20.13	1
12	11.57	12.52	13.50	14.52	15.57	16.67	17.80	18.96	20.17	21.41	15
13	12.72	13.68	14.68	15.72	16.80	17.91	19.05	20.24	21.46	22.72	1;
14	13.91	14.89	15.91	16.96	18.05	19.18	20.35	21.55	22.80	24.07	14
15	15.13	16.13	17.17	18.24	19.35	20.50	21.68	22.91	24.17	25.46	13
16	16.39	17.41	18.46	19.55	20.68	21.85	23.05	24.30	25.57	26.89	100
17	17.68	18.72	19.80	20.91	22.05	23.24	24.46	25.72	27.02	28.35	
18	19.02	20.07	21.17	22.30	23.46	24.67	25.91	27.18	28.50	29.85	
19	20.39	21.46	22.57	23.72	24.91						
20	21.80	22.89	24.02	25.18	26.39	26.13 27.63	27.39 28.91	$28.68 \\ 30.22$	30.02	31.39	
271	1000	12.7	200.00	25.00	1000	A	100,000	257.0457	31.57	32.96	
21	23,24	24.35	25.50	26.68	27.91	29.17	30,46	31.80	33.17	84.57	
22	24.72	25.85	27.02	28.22	29.46	30.74	32.05	33.41	34.80	36.22	
23	26.24	27.39	28.57	29,80	31.05	32.35	33.68	35.05	36.46	37.91	23
24	27.80	28.96	30.17	31.41	32.68	34.00	35.35	36.74	38.17	39.63	24
25	29.39	30.57	31.80	33.05	34.35	35.68	37.05	38.46	39.91	41.39	24
26	31.02	32.22	33.46	34.74	36.05	37.41	38.80	40.22	41.68	43.18	20
27	32.68	33,91	85.17	36.46	37.80	89.17	40.57	42.02	43.50	45.02	
28	34.39	35.63	36.91	38.22	39.57	40.96	42.39	43.85	45.35	46.89	
29	36.13	37.39	38.68	40.02	41.39	42.80	44.24	45.72	47.24	48.80	
30	37.91	39.18	40.50	41.85	43.24	44.67	46.13	47.63	49.17	50.74	
- 1		10.6000	100	1000000	200	10 mm		100000000000000000000000000000000000000	10000		
31	39.72	41.02	42.35	43,72	45.18	46.57	48.05	49.57	51.13	52.72	
32	41.57	42.89	44.24	45.63	47.05	48.52	50.02	51.55	53.13	54.74	
33	43.46	44.80	46.17	47.57	49.02	50.50	52.02	53.57	55.17	56.80	
34	45.39	46.74	48.13	49.55	51.02	52.52	54.05	55.68	57.24	58.89	
35	47.35	48.72	50.13	51.57	53.05	54.57	56.13	57.72	59.35	61.02	3
36	49.35	50.74	52.17	53.63	55.13	56.67	58.24	59.85	61.50	63.18	3
37	51.39	52.80	54.24	55.72	57.24	58.80	60.39	62.02	63.68	65.39	37
38	53.46	54.89	56.85	57.85	59.39	60.96	62.57	64.22	65.91	67.63	38
39	55.57	57.02	58.50	60.02	61.57	63.17	64.80	66.46	68.17	69.91	
40	57.72	59.18	60.68	62.22	63.80	65.41	67.05	68.74	70.46	72.22	
41	59.91	61.39	62.91	64.46	66.05	67.68	69.35	71.05	72.80	74.57	
42	62.13	63.63	65.17	66.74	68.35		71.68				
43	64.39	65.91	67.46	69.05	1000	70.00	74.05	73.41	75.17	76.96	
44	1.3.5			1000	70.68	72.35	0000 000	75.80	77.57	79.39	
45	66.68	68.22	69.80	71.41	73.05	74.74	76.46	78.22	80.02	81.85	
. 1	69.02	70.57	72.17	73.80	75.46	77.17	78.91	80.68	82.50	84.35	100
46	71.39	72.96	74.57	76.22	77.91	79.63	81.39	83.18	85.02	86.89	f - :
47	78.80	75.39	77.02	78.68	80.39	82.13	83.91	85.72	87.57	89.46	
48	76,24	77.85	79.50	81.18	82.91	84.67	86.46	88.30	90.17	92.07	4
49	78.72	80.35	82.02	83.72	85.46	87.24	89.05	90.91	92.80	94.72	
50	81.24	82.89	84.57	86.30	88.05	89.85	91.68	93.55	95.46	97.41	5
_		-								-	-
	1	2	3	4	5	6	7	8	9	10	
- 1		4	0	-	U	U		0	9	10	1

TABLE XXX.—BASE 36.—SLOPES 1½ to 1.

Feet,	11	12	13	14	15	16	17	18	19	20	Feet.
0	9.57	10.67	11.80	12.96	14.17	15.41	16.68	18.00	19.35	20.74	-
1	10.46	11.57	12.72	13,91	15.13	16.39	17.68	19.02	20.39	21.80	
2	11.39	12.52	13.68	14.89	16.13	17.41	18.72	20.07	21.46	22.89	
3	12.35	13.50	14.68	15.91	17.17	18.46	19.80	21.17	22.57	24.02	1
4	13.35	14.52	15.72	16.96	18.24	19.55	20.91	22.30	23.72	25.18	
5	14.39	15.57	16.80	18.05	19.35	20.68	22.05	23.46	24.91	26.39	
6	15.46	16.67	17.91	19.18	20.50	21.85	23,24	24.67	26.13	27.63	
7	16.57	17.80	19.05	20.35	21.68		24.46	25.91	27.39	28.91	1
8	17.72	18.96	20.24	21.55	22.91	24.30	25.72	27.18	28.68	30.22	
9	18.91	20.17	21.46	22.80	24.17	25.57	27.02	28.50	30.02	31.57	
10	20.13	21,41	22.72	24.07	25.46	26.89	28.35	29.85	31.39	32.96	
11	21.39	22.68	24.02	25.39	26.80	28.24	29.72	31.24	32.80	34.39	1
12	22.68	24.00	25.35	26.74	28.17	29.63	31.13	32.67	34.24	35.85	
13	24.02	25.35	26.72	28.13	29.57	31.05	32.57	34.13	35.72	37.35	
14	25.39	26.74	28.13	29.55	31.02	32.52	34.05	35.63	37.24	38.89	
15	26.80	28.17	29.57	31.02	32.50	34.02	35.57	37.17	38.80	40.46	
16	28.24	29.63	31.05	32.52	34.02	85.55	37.18	38.74	40.39	42.07	1
17	29.72	31.13	32.57	34.05	35.57	37.13	38.72	40.35	42.02	43.72	
18	31.24	32.67	34.13	35.63	37.17	38.74	40.35	42.00	43.68	45.41	
19	32.80	34.24	35.72	37.24	38.80	40.39	42.02	43.68	45.39	47.13	
20	34.39	35.85	37.35	38.89	40.46	42.07	43.72	45.41	47.13	48.89	
21	36.02	37.50	39.02	40.57	42.17	43.80	45.46	47.17	48.91	50.68	
22	37.68	39.18	40.72	42.30	43.91	45.55	47.24	48.96	50.72	52.52	
23	39.39	40.91	42.46	44.05	45.68	47.35	49.05	50.80	52.57	54.39	
24	41.13	42.67	44.24	45.85	47.50	49.18	50.91	52.67	54.46	56.30	
25	42.91	44.46	46.05	47.68	49.35	51.05	52.80	54.57	56.89	58.24	
26	44.72	46.30	47.91	49.55	51.24	52.96	54.72	56.52	58.35	60.22	100
27	46.57	48.17	49.80	51.46	53.17	54.91	56.68	58.50	60.35	62.24	
28	48.46	50.07	51.72	53.41	55.13	56.89	58.68	60.52	62.39	64.30	
29	50.39	52.02	53.68	55.39	57.13	58.91	60.72	62.57	64.46	66.39	
30	52.35	54.00	55.68	57.41	59.17	60.96	62.80	64.67	66.57	68.52	
31	54.35	56.02	57.72	59.46	61.24	63.05	64.91	66.80	68.72	70.68	3
32	56.39	58.07	59.80	61.55	68.85	65.18	67.05	68.96	70.91	72.89	
33	58.46	60.17	61.91	63.68	65.50	67.35	69.24	71.17	73.13	75.12	
34	60.57	62.30	64.05	65.85	67.68		71.46	73.41	75.39	77.41	
35	62.72	64.46	66.24	68.05	69.91	71.80	73.72	75.68	77.68	79.72	
36	64.91	66.67	68.46	70.30	72.17	74.07	76.02	78.00	80.02	82.07	
37	67.13	68.91	70.72	72.57	74.46	76.89	78.85	80.35	82.39	84.46	
38	69.39	71.18	73.02	74.89	76.80	78.74	80.72	82.74	84.80	86.89	
39	71.68	73.50	75.35	77.24	79.17	81.13	83.13	85.17	87.24	89.35	
40	74.02	75.85	77.72	79.63	81.57	83.55	85.57	87.63	89.72	91.85	
41	76.39	78.24	80.13	82.05	84.02	86.02	88.05	90.13	92.24	94.39	
12	78.80	80.67	82.57	84.52	86.50	88.52	90.57	92.67	94.80	96.96	
13	81.24	83.13	85.05	87.02	89.02	91.05	93.13	95.24	97.39	99.57	
44	83.72	85.63	87.57	89.55	91.57	93.63	95.72		100.02		
15	86.24	88.17	90.13	92.13	94.17	96.24			102.68		
16	88.80	90.74	92.72	94.74	96.80	Value 50.000	101.02				
17	91.39	93.35	95.35	97.39			103.72				
48	94.02	96.00					106.46				
49	96.68						109.24				
50		101.41									
-			-	127.85			_	-			-
- 1	11	12	13	14	15	16	17	18	19	20	1

TABLE XXX.—BASE 36.—SLOPES $1\frac{1}{2}$ to 1.

Fret.	21	22	23	24	25	26	27	28	29	30	Feet.
0	22.17	23.63	25.13	26.67	28.24	29.85	31.50	33.18	34.91	36.67	0
1	23, 24	24.72	26.24	27.80	29,39	31.02	32.68	34.39	36.13	87.91	1
2			27.39	28.96	30.57	32.22	33.91	35.63	37.39	39.18	2
3	25.50	27.02		30.17	31.80	33.46		36.91	38,68	40.50	3
4			29.80	31.41	33.05	34.74		38.22		41.85	4
5	27.91	29.46	31.05	32.68	34.35	36.05	37.80	39.57	41.39	43.24	5
			100000000000000000000000000000000000000		179-70-4	1 (minute)		40.96	1 20 7 20	44.67	6
6	29,17	30.74	32.35	34.00		4.27 5.3		1000000		1000 200 200	L 13
7	30.46	32.05		35.35				42.39	44.24	46.13	3
8	31.80				38.46			43.85	45.72	47.63	1
9	33.17	34.80	36.46	38.17	39.91	41.68		45.35	47.24		1 5
10	34.57	36.22	37.91	39.63	41.39	C 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		46.89	2000	100000000000000000000000000000000000000	
11	36.02	37.68	39.39	41,13	42.91	44.72	46.57	48.46	50.39	52.35	11
12	37.50	39.18	40.91	42.67	44.46	46.30	48.17	50.07	52.02	54.00	12
13	39.02	40.72	42,46	44.24			49.80	51.72	53,68	55.68	18
14	40.57	42.30	44.05	45.85	47.68			53.41	55.39	57.41	
15	42.17	43.91	45.68	47.50	49.35	51.24		55.13	57.18	59.17	15
101		1100	47.35		51.05	52.96	man hadd	56.89	58.91	60.96	1
16	43.80	45.55	10.00	49.18		2		58.68	and the second second	62.80	
17	45.46	47.24	49.05	50.91	52.80			60.52	62.57	64.67	
18	47.17	48.96	50.80	52.67	54.57	56.52					
19	48,91	50.72	52.57	54.46				62.39		66.57	
20	50.68	52,52	54.39	56.30	58.24	60.22	62.24	64.30	66.39	68.52	1
21	52.50	54.35	56.24	58.17	60.13	62.13	64.17	66.24	68.35	70.52	
22	54.35	56.22	58.13	60.07	62.05	64.07	66.13	68.22	70.35	72.52	25
23	56.24	58.13	60.05	62.02	64.02	66.05	68.13	70.24	72.39	74.57	
24	58.17	60.07	62.02	64.00	66,02	68.07	70.17	72.80	74.46	76.67	24
25	60.13	62.05	64.02	66.02	68.05			74.39	76.57	78.80	25
E31		No. 75	66.05	68.07	70.13	Manager 1	74.35	76.52	78.72	80.96	26
26	62.13	64.07					76.50	78.68		83.17	
27	64.17	66.13	68.13	70.17	72.24	74.35		80,89		85.41	
28	66.24	68, 22	70.24	72.30	74.39	76.52				87.68	
29	68.85	70.35	72.39	74.46		78.72	80.91	83.13	10,974.000		
30	70.52	72.52	74.57	76.67	78.80	80.96		85.41	87.68	90.00	
31	72.68	74.72	76,80	78.91	81.05	83,24	85.46	87.72	90.02	92.35	
32	74.91	76.96	79.05	81.18	83.35	85.55	87.80	90.07	92.39	94.74	32
33	77.17	79.24	81,35	83.50	85.68	87.91	90.17	92.46	94.80	97.17	33
34	79.46	81.55	83.68	85.85	88.05	90.30	92.57	94.89	97.24	99.63	34
35	81.80	83.91	86.05	88.24	90.46	92.72	95.02	97.35	99.72	102.13	35
36	84,17	86.30	88.46	90.67	92,91	95.18	97.50	99.85	102.24	104.67	36
37	86.57	88.72	90.91	93.13	95.39		100.02				
38		91.18	93.39	95.63			102.57				
39	89.02		95.91				105.17				
40	91.50	93,68					107.80				
	94.02	96, 22							1.7		
41	96.57	98.80	101.05	103.35	105.68	108.05	110.46	112.91	115.39	117.91	41
42	99,17	101.41	103,68	106.00	108,35	110.74	113.17	115.63	118.13	120.67	42
43	101.80	104.05	106.35	108.68	111.05	113.46	115.91	118.39	120.91	123.46	43
44	104.46	106.74	109.05	111.41	113,80	116.22	118.68	121.18	123.72	126.30	44
45	107.17	109,46	111.80	114.17	116.57	119.02	121.50	124.02	126.57	129,17	40
46	109 91	112 29	114.57	116.96	119.39	121.85	124.35	126.89	129.46	132.07	46
17	119 69	115 09	117 89	119 80	122 94	124 79	127.24	129.80	132.39	135.02	47
18	115 50	117 95	120 94	122 67	125 13	127 63	130.17	182 74	135.35	138.00	48
40	119 05	190 70	193 19	125 57	128 05	130 57	133.13	135 79	138.35	141.09	49
50	191 94	199 69	126 05	198 59	181 09	188 85	136.13	138.74	141.89	144.07	50
UU	121.24	120.00	120.00	140.02	101.02	100.00	100,10	100.72	211.00		_
	100	W 5	5.57	14.3	120	68			0.0		
	21	22	23	24	25	26	27	28	29	30	1

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Feet.	31	32	33	34	35	36	37	38	39	40	Feet.
0	38.46	40.30	42.17	44.07	46.02	48.00	50.02	52.07	54.17	56.30	(
1	39.72	41.57	43.46	45.39	47.35	49.35	51.39	53.46	55.57	57.72	1
2	41.02	42.89	44.80	46.74	48.72	50.74	52.80	54.89	57.02	59.18	1
3	42.35	44.24	46.17	48.13	50.13	52.17	54.24	56.35	58.50	60.68	1
4	43.72	45.63	47.57	49.55	51.57	53.63	55.72	57.85	60,02	62.22	15
5	45.13	47.05	49.02	51.02	53.05	55.13	57.24	59.39	61.57	63.80	1
	1. S. J. T. C.	1.79.6.4.4		52.52	10 miles 10 miles	56.67	58.80	60.96		27 8.3	1
6	46.57	48.52	50.50		54.57	58.24	60.39		63.17	65.41	
7	48.05		52.02	54.05	56.13			62.57	64.80	67.05	
8	49.57	51.55	53.57	55.63	57.72	59.85	62.02	64.22	66.46	68.74	
9	51.13	53.13	55.17	57.24	59.35	61.50	63,68	65.91	68.17	70.46	
10	52.72	54.74	56.80	58.89	61.02	63.18	65.39	67.63	69.91	72.22	1
11	54.35	56.39	58.46	60.57	62.72	64.91	67.13	69.39	71.68	74.02	1
12	56.02	58.07	60.17	62.30	64.46	66.67	68.91	71.18	73.50	75.85	1;
13	57.72	59.80	61.91	64.05	66.24	68.46	70.72	73.02	75,35	77.72	1;
14	59.46	61.55	63.68	65.85	68,05	70.30	72.57	74.89	77.24	79.63	1
15	61.24	63.35	65.50	67.68	69.91	72.17	74.46	76.80	79.17	81.57	1
16	63.05	65.18	67.35	69.55	71.80	74.07	76.39	78.74	81.13	83.55	10
17	64.91	67.05	69.24	71.46	73.72	76.02	78.35	80.72	83.18	85.57	
18	66.80	68.96	71.17	73.41	75.68		80.35	82.74	85.17	87.63	
19	68.72	70.91	73.13	75.39	77.68	80.02	82.39	84.80		89.72	
20	70.68	72.89	75.13	77.41	79.72	82.07	84.46			91.85	
	11/1/11/2017	7.5		2007		1 1 1 1 1 1 1 1 1		100000	1000000	and the state of	1
21	72.68	74.91	77.17	79.46	81.80	84.17	86.57	89.02	91.50	94.02	
22	74.72	76.96	79.24	81.55	83.91	86.30	88.72	91.18			
23	76.80	79.05	81.35	83.68	86.05	88.46	90.91	93.39		98,46	-
24	78.91	81.18	83.50	85.85	88.24	90.67	93,13	2000		100.74	100
25	81.05	83.35	85.68	88.05	90.46	92.91	95.39	97.91	100.46	103.05	2
26	83.24	85.55	87.91	90.30	92.72	95.18	97.68	100.22	102.80	105.41	2
27	85.46	87.80	90.17	92.57	95.02	97.50	100.02	102.57	105.17	107.80	2
28	87.72	90.07	92,46	94.89	97.35	99.85	102.39	104.96	107.57	110.22	2
29	90.02	92.39	94.80	97.24	99.72	102.24	104.80	107.39	110.02	112.68	2
30	92.35	94.74	97.17	99.63	102.13	104.67	107.24	109.85	112.50	115.18	3
31	94.72	97.18	99.57	102.05	104.57	107.13	109.72	119.95	115 02	117.79	2
32	97.13					109.63					
33						112.17					
	102.05										
	104.57										
~~~	The state of the state of	Control Control		The second second	the second of the	a Tree horse		1	100000000000000000000000000000000000000		
	107.13										
	109.72										
	112.35										
	115.02										
	117.72	(20 V V CC)		The state of the s	1.00			1 77 1 1 1 1 1		(4.00	
	120.46										
	123.24										
	126.05										
	128.91										
45	131.80	134.46	137.17	139.91	142.68	145.50	148.35	151.24	154.17	157.13	4
46	134.72	137.41	140.13	142,89	145.68	148.52	151.89	154.30	157.24	160.99	4
47	137.68	140.39	143, 18	145.91	148.79	151.57	154.46	157.39	160.35	163 35	4
	140.68										
	143.72										
	146.80										
_		-25100						-55,05	-50.01	-12.00	Ľ
	91	20	99	24	25	36	97	90	20	40	
	31	32	33	34	35	90	37	38	39	40	1

Feet.	41	42	43	44	45	46	47	48	49	50	Feet.
0	58,46	60.67	62.91	65.18	67.50	69.85	72.24	74.67	77.13	79.63	(
1	59.91	62.13	64.39	66.68	69.02	71.39	73.80	76.24	78.72	81.24	1
2	61.39	63.63	65.91	68.22	70.57	72.96	75.39	77.85	80.35	82.89	
3	62.91	65.17	67.46	69.80	72.17	74.57	77.02	79.50	82.02	84.57	1
4	64.46	66.74	69.05	71.41	73.80	76.22	78.68	81.18	83.72	86.30	1
5	66.05	68.35	70.68	73.05	75.46	77.91	80.39	82.91	85.46	88.05	1
6	67.68	70.00	72.85	74.74	77.17	79.63	82.13	84.67	87.24	89.85	1
7	69.35	71.68	74.05	76.46	78.91	81.39	83.91	86.46			1111
8	71.05	73.41	75.80	78.22	80.68		85.72	88.30		93.55	1
9	72.80	75.17	77.57	80.02	82.50		87.57	90.17	92.80		
10	74.57	76.96	79.39	81.85	84.35	the second of	89.46	Transaction of the first			
	1000		227.7	83.72	86.24	88,80	91.39	(5)3 (30)	100	0.000	100
11	76.39	78.80	81.24						98.68		400
12	78.24	80.67	83.13 85.05	85.63	88.17 90.13	90.74	93.35 95.35		100.72		
13	80.13	82.57 84.52	87.02	87.57 89.55	92.13				102.80		
14	82.05 84.02	86.50	89.02	91.57	94.17	96.80			104.91		
15	Party Street		The Control		10000	Tarrill and the	100000		00000000		130
16	86.02	88.52	91.05	93.63			101.57				
17	88.05	90.57	93.13	95.72			103.72				
18	90.13	92.67	95.24				105.91				
19	92.24	94.80					108.13				
20	94.39	96.96	127-6379	Section of the second	100000000000000000000000000000000000000	Market St.	110.39		Helphin St.	Acres processed	
21	96.57	99.17	101.80	104.46	107.17	109.91	112.68	115.50	118.35	121.24	21
22	98.80		104.05								
			106.35								
24	103.35	106.00	108.68	111,41	114.17	116.96	119.80	122.67	125.57	128.52	24
25	105.68	108.35	111.05	113.80	116.57	119.39	122,24	125.13	128.05	131.02	2
26	108.05	110.74	113.46	116.22	119,02	121.85	124.72	127.63	130.57	133,55	26
			115.91								
			118.39								
			120.91								
			123,46								
2.31	A. C 24		126.05	Control of the second	20000	1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.	33337 377		Contract Contract	LUDBURGE.	1
			128.68								
			131.35								
			134.05								
			136.80								
	A		17 N. 6 July 1		Comment of the last	Day of the same	C. COLLEGA		W 80 10 10 10 10 10 10 10 10 10 10 10 10 10	100 m	
			139.57								
			142.39								
			145.24								
			148.13								
201	100	3-2-3	151,05			0000000			The state of the s	15 4 7 1 199	
			154.02								
42	151.02	154.00	157.02	160.07	163.17	166.30	169.46	172.67	175.91	179.18	4
			160.05								
			163.13								
15	160.13	163, 17	166, 24	169.35	172.50	175.68	178.91	182.17	185.46	188.80	4
16	163.24	166.30	169.39	172.52	175.68	178.89	182.13	185.41	188.72	192.07	4
			172.57								
			175.80								
			179.05								
			182.35								
$\exists$	41	42	43	44	45	46	47	48	49	50	-

Feet.	1	2	3	4	5	6	7	8	9	10	Feet.
0	0.69	1.48	2.22	3.06	3.95	4.89	5.88	6.91	8.00	9.14	-
1 2	1.41 2.17	2.17 2.96			4.77					10.07	
3	2.17	3.80			5.63 6.54						
4	3.85	4.69			7.51	8.54		10.77	11.95	13.19	4
5	4.77	5.68	1	1	8.52	I	1	ı	l .	1	1
6 7	5.73 6.74	6.62 7.65			9.58 10.69	10.67 11.80					
8	7.80	8.74			11.85	12.99		15.41	16.69		
9	8.91	9.88			13.06			16.69			
10 11	10.07 11.28	11.06 12.30	F .	13.19 14.47	14.32 15.63	15.51 16.84	16.74 18.10	18.02 19.41	19.36 20.77		1
12	12.54	13.58		15.80	16.99	18.22	19.51	20.84	22.22	22.17 23.65	
13	13.85	14.91	16.02	17.19	18.40	19.65	20.96	22.32	23.73	25.19	13
14 15	15.21 16.62	16.30 17.73	17.43 18.89	18.62 20.10	19.85 21.36	21.14 22.67	22.47 24.02	23.85 25.43	25.28 26.89	26.77 28.40	
16	18.07	19.21	20.40	21.68	22.91	24.25	25.63	27.06	28.54	30.07	
17	19.58	20.74	21.95	23.21	24.52	25.88	27.28	28.74	30.25	31.80	
18	21.15	22.32	23.56	24.84	26.17	27.56	28.99	30.47	32.00	33.58	
19 20	22.74 24.40	23.95 25.63	25.21 26.91	26.52 28.25	27.88 29.63	29.28 31.06	30.74 32.54	$32.25 \\ 34.07$	33.80 35.65	35.41   37.28	
21	26.10	27.36	28.67	30.02	31.43	32.89	34.40	35.95	37.56	39.21	ı
22	27.85	29.14	30.47	31.85	33.28	34.77	36.30	37.88	39.51	41.19	22
23 24	29.65 31.51	30.96 32.84	32.32 34.22	33.73 35.65	35.19 37.14	36.69 38.67	38.25 40.25	39.85 41.88	41.51 48.56	43.21 45.28	
25	33.41	34.77	36.17	37.63	39.14	40.69	42.80	43.95	45.65	47.41	
26	35.36	36.74	38.17	39.65	41.19	42.77	44.40	46.07	47.80	49.58	
27	37.36	38.77	40.22	41.73	43.28	44.89	46.54	48.25	50.00	51.80	
28 29	39.41 41.51	40.84 $42.96$	42.32 $44.47$	43.85 46.02	45.43 47.63	$47.06 \\ 49.28$	48.74 50.99	50.47 $52.74$	52.25 $54.54$	54.07 56.40	
80	43,65	45.14	46.67	48.25	49.88	51.56	53.28	55.06	56.89	58.77	
31	45.85	47.86	48.91	50.52	52.17	53.88	55.63	57.43	59.28	61.19	
32 33	48.10 50.40	49.68 51.95	51.21 53.56	52.84 $55.21$	54.52 56.91	56.25 58.67	58.02 60.47	59.85 62.32	$61.73 \\ 64.22$	63.65 66.17	
34	52.74	54.82	55.95	57.63	59.36	61.14	62.96	64.84	66.77	68.74	
85	55.15	56.74	58.40	60.10	61.85	63.65	65.51	67.41	69.36	71.36	
86	57.58	59.21	60.89	62.62	64.40	66.22	68.10	70.02	72.00	74.02	
37 38	60.07 62.62	$61.73 \\ 64.30$	63.43 66.02	65.19 67.80	66.99 69.63	68.84 71.51	70.74 73.43	72.69 $75.41$	74.69 77.43	76.74 79.51	
39	65.21	66.91	68.67	70.47	72.32	74.22	76.17	78.17	80.22	82.32	39
40	67.85	69.58	71.36	73.19	75.06	76.99	78.96	80.99	83.06	85.19	
41 42	70.54 78.28	72.80 75.06	74.10 76.89	75.95 78.77	77.85 80.69	79.80 82.67	81.80 84.69	83.85 86.77	85.95 88.89	88.10 91.06	
48	76.07	77.88	79.73	81.63	83.58	85.58	87.63	89.73	91.88	94.07	
44	78.91	80.74	82.62	84.54	86.52	88.54	90.62	92.74	94.91	97.14	44
45	81.80	88.65	85.56	87.51	89.51	91.56	93.65	95.80		100.25	
46 47	84.74 87.73	86.62 89.63	88.54 91.58	90.52 93.58	92.54 95.63	94.62 97.78	96.74 99.88			$103.41 \\ 106.62$	
48	90.77	92.69	94.67	96.69	98.77	100.89	103.06	105.28	107.56	109.88	48
49 50	93.85 96.99	95.80	97.80	99.85 103.06		104.10					
<u> </u>		20.20		100.00	100.19	107.00	100.00		114.17		
	1	2	.3	4	5	6	7	8	9	10	

TABLE XXXI.—BASE 36.—SLOPES 2 to 1.

Peet	11	12	13	14	15	16	17	18	19	20	Post
0	10.32	11.56	12.84	14.17	15.56	16.99	18.47	20.00	21.58	23.21	1
1	11.28	12.54	13.85	15.21	16.62	18.07	19.58	21.15	22.74	24.40	1
2	12.30	13.58	14.91	16.30	17.73	19.21	20.74	22.32	23.95	25.63	5
3	13.36	14.67	16.02	17.43	18,89	20.40	21.95	23.56	25.21	26,91	1
4	14.47	15.80	17.19	18.62	20.10	21.63	23,21	24.84	26.52	28.25	1
5	15.63	16,99	18.40	19.85	21.36	22.91	24.52	26.17	27.88	29.63	1
6	16.84	18.22	19.65	21.14	22.67	24.25	25.88	27.56	29.28	31.06	1
7	18.10	19.51	20.96	22.47	24.02	25.63	27.28	28.99	30.74	32.54	1
8	19,41	20.84	22.32	23,85	25.43	27.06		30.47	32.25	34.07	13
9	20.77	22.22	23.73	25.28			30.25	32.00	33.80	35.65	1
10	22.17	23.65	25.19	26.77	28.40	30.07	31.80	33.58	35.41	37.28	1
11	23.63	25.14	26.69	28.30	29.95	31.65	33.41	35.21	37.06	38.96	1
12	25.14	26.67	28.25	29.88	31.56	33.28	35.06	36.89	38.77	40.69	1:
13	26.69	28.25	29.85	31.51	33.21	34.96		38,62	40.52	42.47	1:
14	28.30	29.88	31.51	33.19	34.91	36.69	38.52	40.40		44.30	1
15	29.95	31.56	33.21	34.91	36.67	38.47	40.32	42.22	44.17	46.17	1
16	31.65	33.28	34.96	36.69	38.47	40.30	42.17	44.10	46.07	48.10	1
17	33.41	35.06		38.52	40.32		44.07	46.02	48.02	50.07	
18	35.21	36.89		40.40	42.22	44.10	46.02	48.00		52.10	
19	37.06	38.77	40.52	42.32	44.17	46.07	48.02	50.02	52.07	54.17	1
20	38.96	40.69	42.47	44.30	46.17	48.10	50.07	52.10	54.17	56.30	2
21	40.91	42.67	44.47	46.32	48.22	50.17	52.17	54.22	56.32	58.47	2
22	42.91	44.69		48.40	50.32		54.32	56.40	58.52	60.69	
23	44.96	46.77	48.62	50.52	52.47		56.52	58.62	60.77	62.96	
24	47.06	48.89	50.77	52.69	54.67	56.69	58.77	60.89	63.06		
25	49.21	51.06		54.91	56.91	58.96	1723 1600	63.21	65,41	67.65	
26	51.41	53.28	55.21	57.19	59.21	61.28	63.41	65.58	67.80	70.07	
27	53.65	55.56	57.51	59.51	61.56		65.80	68.00	70.25	72.54	
28	55.95	57.88	59.85	61.88	68.95		68.25	70.47	72.74	75.06	
29	58.30	60.25	62.25	64.30	66.40		70.74	72.99	75.28	77.68	
30	60.69	62.67	64.69	66.77	68.89		73.28	75.56	77.88	80.25	
31	63.14	65.14	67.19	69.28	71.43	73.63	75.88	78.17	80.52	82.91	
32	65.68	67.65	69.73	71.85	74.02	76.25	78.52	80.84	83.21	85.63	
33	68.17	70.22	72.32	74.47	76.67	78.91	81.21	83.56		88.40	
34	70.77	72.84	74.96	77.14	79.36		83.95	86.32	88.74	91.21	
35	73.41	75.51	77.65	79.85	82.10		86.74	89.15	91.58	94.07	
36	1000	1000000	0.00	A STATE OF	100000		0.5 0.00	10000000		1000000	100
36	76.10	78.22	80.40	82.62	84.89	87.21	89.58	92.00	94.47	96.99	
38	78.84 81.63	80.99 83.80	83.19 86.02	85.43	87.73 90.62	90.07	92.47	94.91	97.41	99.95	
39	84.47	86.67	88.91	88.30 91.21	93.56	95.95	95.41			102.96 $106.02$	
10	87.36	89.58	91.85	94.17	96.54		101.43				
11	. 776	Total Control of	TWO STATES	1 Table 10	7	The second second	1000000		The state of the s	0	
12	90.30	92.54	94.84				104.52				
13	93.28	95.56					107.65				
14	96.32						110,84				
							114.06 $117.36$				
2.23	3000 100		July Y			3.32.3	1.00.000	100 100 100 100 100	C1 - 200 - 1 - 1 - 1 - 1		1.3
							120.69				
							124.07				
							127.51				
							130.99 $134.52$				
_	110,00		120.90	120.02	120.14	101, 60	104.02	107.28	140.10	142.90	_
	11	12	13	14	15	16	17	18	19	20	

0 1 2 3 4 5 6 7 8 9	24.89 26.10 27.36 28.67 30.02 31.43 82.89 34.40 35.95	30.47 31.85 33.28	28.40 29.65 30.96 32.32 33.73	30.22 31.51 32.84 34.22	32.10 33.41		36.00	38.02	40 10	42.22	-
1 2 3 4 5 6 7 8	26.10 27.36 28.67 30.02 31.43 32.89 34.40 35.95	27.85 29.14 30.47 31.85 33.28	29.65 30.96 32.32 33.73	31.51 32.84	33,41				40.10	42.22	
2 3 4 5 6 7 8	27.36 28.67 30.02 31.43 32.89 34.40 35.95	29.14 30.47 31.85 33.28	32.32 33.73	32.84	~	35.36	37.36	39.41	41.51	43.65	
4 5 6 7 8	30.02 31.43 32.89 34.40 35.95	31.85 33.28	33.73	34.22	34.77	36.74	38.77	40.84	42.96	45.14	
5 6 7 8	31.43 32.89 34.40 35.95	33.28			36.17	38.17	40.22	42.32	44.47	46.67	
6 7 8	32.89 34.40 35.95	1000	25 10	35.65	37.63	39.65	41.73	43.85	46.02	48.25	
7 8	$\frac{34.40}{35.95}$	84.77	35.19	87.14	39,14	41.19	43.28	45.43	47.63	49.88	
8	35.95		36,69	38.67	40.69	42.77	44.89	47.06	49.28	51.56	1
		36.30	38, 25	40.25	42.30	44.40	46.54	48.74	50.99	53.28	
9		37.88	39.85	41.88	43.95	46.07	48.25	50.47	52.74	55.06	
*1	37.56	39.51	41.51	43.56	45,65	47.80	50.00	52.25	54.54	56.89	3
10	39.21	41.19	43.21	45.28	47.41	49.58	51.80	54.07	56.40	58.77	1
11	40.91	42.91	44.96	47.06	49.21	51.41	53.65	55.95	58.30	60.69	1
12	42.67	44.69	46.77	48.89	51.06		55.56	57.88	60.25	62.67	15.0
13	44, 47	46.52	48.62	50.77	52.96		57.51	59.85	62.25	64.69	
14	46.32	48.40	50.52	52.69	54.91	57.19	59.51	61.88	64.30	66.77	
15	48.22	50.32	52,47	54.67	56,91	59.21	61.56	63.95	66.40	68.89	14
16	50.17	52.30	54.47	56.69	58.96	61.28	63.65	66.07	68.54	71.06	1
17	52.17	54.32	56.52	58.77	61.06		65.80	68.25	70.74	73.28	
18	54.22	56,40	58.62	60.89	63.21	65.58	68.00	70.47	72.99	75.56	
19	56.32	58.52	60.77	63.06	65.41	67.80	70.25	72.74	75.28	77.88	
20	58.47	60,69	62.96	65.28	67.65	70.07	72.54	75.06	77.63	80.25	
21	60.67	62.91	65.21	67.56	69.95	72.40	74.89	77.43	80.02	82.67	100
22	62.91	65.19	67.51	69.88	72.30	74.77	77.28	79.85	82.47	85.14	
23	65.21	67.51	69.85	72,25	74.69	77.19	79.73	82.32	84.96	87.65	
24	67.56	69.88	72.25	74.67	77.14	79.65	82.22	84.84	87.51	90.22	
25	69.95	72.30	74.69	77.14	79.63		84.77	87.41	90.10	92.84	
26	72.40	74.77	77.19	79.65	82.17	84.74	87.36	2.3		1/3/3/1 V/3/	100
27	74.89	77.28	79.73	82.22	84.77	87.36	90.00	90.02 $92.69$	92.74 95.43	95.51 98.22	
28	77.43	79.85	82.32	84.84	87.41	90.02	92.69	95.41		100.99	
29	80.02	82.47	84.96	87.51	90.10	92.74	95.43	William Control		103.80	100
30	82.67	85.14	87.65	90.22	92.84	95.51				106.67	
31	85.36	87.85	90.40	92.99	95.63		101.06	1.000			
32	88.10	90.62	93.19	95.88		101.19					
33	90.89	93.43	140			104.10					
34	93.73	96.30				107.06					
35	96.62					110.07					
36	A1077 (CC)	102.17	73 3 7	4-4-41		10000					100
		105.19									
		108.25									
		111.36									
		114.52									
- 1	1000	117.73	4	1000	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	March Street	Company of the sale	Make a start	1. del Tella		111
		120.99									
		124.30									
		127.65									
		131.06									
		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			DOMESTIC OF THE	200000	C 1000 C		4 - 1 - 1 - 1 - 1	CILITE	
		134.52									
		138.02									
		141.58 $145.19$									
		148.84									
-	21	22	23	24	25	26	27	28	29	30	-

Feet	31	32	33	34	35	36	37	38	39	40	Peet.
0	44.40	46.62	48.89	51.21	53.58	56.00	58.46	60.99	63.56	66.17	-
1	45.85	48.10	50.40	52.74	55.15	57.58	60.07	62.62	65.21	67.85	1
2	47.36	49.63	51.95	54.32	56.74	59.21	61.73	64.30	66.91	69.58	2
3	48,91	51.21	53.56	55.95	58.40	60.89	63.43	66.02	68.67	71.36	1
4	50.52	52.84	55.21	57.63	60.10	62.62	65.19	67.80	70.47	73.19	1
5	52.17	54,52	56.91	59.36	61.85	64.40	66.99	69.63	72.32	75.06	1
6	53.88	56.25	58.67	61.14	63.65	66.22	68.84	71.51	74.22	76.99	
7	55.63	58.02	60.47	62.96	65.51	68.10	70.74	73.43	76.17	78.96	
8	57,43	59.85	62.32	64.84	67.41	70.02	72.69	75.41	78.17	80.99	1
9	59.28	61.73	64.22	66.77	69.36	72.00	74.69	77.43	80.22	83.06	100
10	61.19	63.65	66.17	68.74	71.36	100000	76.74	79.51	82.32	85.19	
11	63.14	65.63	68.17	70.77	73.41	76.10	78.84	81.63	84.47	87.36	
12	65.14	67.65	70.22	72.84		78.22	80.99	83.80	86.67	89.58	
13	67.19	69.73	72.32	74.96		80,40	83.19	86.02	88.91	91.85	
14	69.28	71.85	74.47	77.14	79.85 82.10	82.62 84.89	85.43 87.73	88.30 90.62	91.21 93.56	94.17	
15	71.43	74.02	76.67	79.36	PERMITTE	1000	Darker Street	A- 170			
16	73.63	76.25	78.91	81.63	84.40	87.21	90.07	92.99	95.95	98.96	
17	75.88	78.52	81.21	83.95	86.74	89.58	92.47			101.43	
18	78.17	80.84	83.56	86.32	89.15				100.89		
19	80.52	83.21 85.63	85.95 88.40	88.74	91.58				103.43 $106.02$		
20	82.91	100000	150000	91.21	1000		1000	1 TO 1 TO 1	100000000000000000000000000000000000000	S. S. S. S. S. S.	
21	85.36	88.10	90.89	93.73					108.67		
22	87.85	90.62	93.43			102.17					
23	90.40	93.19 95.80	96.02			104.84					
24	92.99					107.56 $110.32$					
25	95.63	ALC: A REST.	1000 0000		- W	- Av. C. Ala	100 4 100 1	4.000	THE PARTY OF THE	3700000	
26						113.14					
						116.00					
						$118.91 \\ 121.88$					
						124.89					
7.5	20 7 7 7 8	1 4 4 4 4	0.00		200			1000	Comment of the	The Control of the Co	1
						127.95					
						131.06					
						134, 22 137, 43					
						140.69					
0.24	The state of the s	2 3 3 3 7 4	4 277 777		50 7 YO W. A.	COMPANY OF STREET	1.75	1100 200	1000 Co. 1		ь.
						$144.00 \\ 147.36$					
						150.77					
						154.22					
						157.73					
200	Vinna Same	8.00000000	Charles Street	eller Televis	COR 213		23 M 22	1000	3.00 (Ca)		
						161.28 $164.89$					
						168.54					
						172.25					
						176.00					
100	A.O D.C.C.	Acres and the second	Control of the Control			179.80	and the second second	The second second	Access to the second	1200 4 20	
						183.65					
						187.56					
						191.51					
						195.51					
- 1	0.00.0	1200		A 171 P.			10000				
-	-										1

Feet	41	42	43	44	45	46	47	48	49	50	Peet.
0	68.84	71.56	74.32	77.14	80.00	82.91	85.88	88.89	91.95	95.06	1
1	70.54	73.28	76.07	78.91	81.80			90.77	93.85	96.99	3
2	72.30	75.06	77.88					92.69	95.80		
3	74.10	76.89	79.73		1	100000000000000000000000000000000000000		94.67		100.99	
4	75.95	78.77	81.63		87.51	90.52		96.69		103.06	
5	77.85	80.69	83.58	100000000	a manager	100000	14 16 No. 17	( P 7 ) ( p )	101.95	PARTY OF THE	
6	79.80	82.67	85.58		91.56				104.10		1
7	81.80	84.69	87.63	90.62	93.65		99.88				
8	83.85	86.77	89.73 91.88				102.07				
9	85.95	88.89 91.06	94.07			101.14 $103.41$					1
10	88.10	1201000		1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	100000000	100000000	130000000	111111111		0.000.00	
11	90.30	93.28	96.32			105.73					
12	92.54					108.10					
$\frac{13}{14}$						110.52 $112.99$					
15						115.51					
2.5	Mary and a larger	ALLEN THE	AD to the state	100	1000	118.07	65 7 17	March Street	10 Sec. 1604	No. 17 19 19 19	
						120.69					
						123.36					
						126.06					
						128.84					
- 1	Sec. 16. 1	P. 2. 3 - 3 - 3		120000000		131.65	Carried Control	200	The state of the state of	2.507 1.5	1
						134.52					
						137.43					
						140.40					
						143.41					
26	129.19	132.54	135.95	139.41	142.91	146.47	150.07	153.78	157.43	161.19	2
						149.58					
						152.74					
29	138.30	141.73	145.21	148.74	152.32	155.95	159.63	163.36	167.14	170.96	2
30	141,43	144.89	148,40	151.95	155.56	159.21	162.91	166.67	170.47	174.32	3
31	144.62	148.10	151.63	155.21	158.84	162.52	166.25	170.02	173.85	177.73	3
32	147.85	151.36	154.91	158.52	162.17	165.88	169.63	173.43	177.28	181.19	3
						169.28					
						172.74					
35	157.85	161.43	165.06	168.74	172.47	176,25	180.07	183.95	187.88	191.85	3
36	161.28	164,89	168.54	172.25	176.00	179.80	183.65	187.56	191.51	195.51	3
						183.41					
						187.06					
						190.77					
5.14	200	SUCT. 10.	2.0.0000	V. J. W. J. J.	10.00000	194.52	Court I was 1	Control of the contro		0.000	
41	179.19	182.91	186.69	190.52	194.40	198.32	202.30	206.32	210.40	214.52	4
42	182.91	186.67	190.47	194.32	198.22	202.17	206.17	210.22	214.32	218.47	4
						206.07					
						210.02 $214.02$					
0.73		The Party		a. 000-0194	70-0-6	7.00	W. 1967	20-20-20	100	100 C	
						218.07					
						222.17 $226.32$					
						230.52					
						234.77					
	41	42	43	44	45	46	47	48	49	50	-

Foet	1	2	3	4	5	6	7	8	9	10	Pest.
0	0.70	1.48	2.33	3.26	4.26	5.33	6.48	7.70	9.00	10.87	1
1	1.44	2.26	3.15	4.11	5.15	6.26	7.44	8.70	10.04	11.44	
2	2.26	3.11	4.04	5.04	6.11	7.26	8.48	9.98	11.15	12.59	1
3	3.15	4.04	5.00	6.04	7.15	8.33	9.59	10.93	12.33	13.81	1
4	4.11	5.04	6.04	7.11	8.26	9.48	10.78	12.15	13.59	15.11	1
5	5.15	6.11	7.15	8.26	9.44	10.70	12.04	13.44	14.93	16.48	1
6	6.26	7.26	8.33	9.48	10.70	12.00	13.37	14.81	16.33	17.93	1
7	7.44	8.48	9.59	10.78	12.04		14.78	16.26	17.81	19.44	
8	8.70	9.78	10.92	12.15	13.44		16.26	17.78	19.37	21.04	
9	10.04	11.15	12.33	13.59	14.93	16.33	17.81	19.37	21.00		
10	11.44	12.59	13.81	15.11	16.48	17.93	19.44	21.04	22.70	24.44	1
11	12.93	14.11	15.37	16.70	18.11	19.59	21.15	22.78	24.48	26.26	1
12	14.48	15.70	17.00	18.37	19.81	21.33	22.93		26.33		
13	16.11	17.37	18.70	20.11	21.59		24.78	26.48	28.26		
14	17.81	19.11	20.48	21.93	23.44		26.70	28.44	30.26	32.15	
15	19.59	20.93	22.33	23.81	25.37		28.70	30.48	32.33	34.26	
16	21.44	22.81	24.26	25.78	27.37	100000000000000000000000000000000000000	30.78	32.59	34.48	100000	1
17	23.37	24.78	26.26	27.81	29.44		32.93	34.78	36.70		
18	25.37	26.81	28.33	29.93	31.59		35.15	37.04	39.00		
19	27.44	28.93	30.48	32.11	33.81	35.59	37.44	39.37	41.37	43.44	
20	29.59	31.11	32.70	34.37	36.11	87.98	39.81	41.78	43.81	45.98	
				Library Control	1000	1000	The second second	200 7770	76.356.364	1 A 16 27 1	
21	31.81	33,37	35.00	36.70	38.48		42.26	44.26	46.33	48.48	
22	84.11	35.70	37.37	89,11	40.93		44.78	46.81	48.93		
23	36.48	38.11	39.81	41.59	43.44		47.37	49.44	51.59	53.81	
24	88.93	40.59	42.33	44.15	46.04		50.04	52.15	54.33	56.59	
25	41.44	43.15	44.93	46.78	48.70	1000000	52.78	54.93	57.15	59.44	1
26	44.04	45.78	47.59	49.48	51.44		55.59	57.78	60.04	62.37	
27	46.70	48.48	50.33	52.26	54.26		58.48	60.70	63.00	65.37	
28	49.44	51.26	53.15	55.11	57.15		61.44	63.70	66.04	68.44	
29	52.26	54.11	56.04	58.04	60.11	62.26	64.48	66.78	69.15	71.59	
30	55.15	57.04	59.00	61.04	63.15	65.33	67.59	69.93	72.33	74.81	3
31	58.11	60.04	62.04	64.11	66.26	68.48	70.78	73.15	75.59	78.11	3
32	61.15	63.11	65.15	67.26	69.44	71.70	74.04	76.44	78.93	81.48	3
33	64.26	66.26	68.33	70.48	72.70	75.00	77.37	79.81	82.33	84.93	3
34	67.44	69.48	71.59	73.78	76.04	78.37	80.78	83.26	85.81	88.44	3
35	70.70	72.78	74.93	77.15	79.44	81.81	84.26	86.78	89.37	92.04	3
36	74.04	76.15	78.33	80.59	82.93	85.33	87.81	90.37	93.00	95.70	3
37	77.44	79.59	81.81	84.11	86.48		91.44		96.70		
38	80.93	83.11	85.37	87.70	90.11		95.15			103.26	
39	84.48	86.70	89.00	91.37	93.81	96.33				107.15	
40	88.11	90.37	92.70	95.11	The last Contract	100.15					
41	91.81	17.70/02	Mr. or other	1, 4, 5, 5, 5, 5, 5, 5, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7, 7,	1 49 9 1 1 1	104.04	the state of the state of the	100 100 100 100 100	4. 955. 5-9		
42	95.59	94.11	96.48			108.00					
43						112.04					
						116.15					
						120.33					
GG.		The second second	COL 5.47	the same	19 2 2 2 5	1.75	- TOTAL STATE		The state of the state of	1000	
						124.59					
						128.93					
						133.33					
						137.81					
00	128.48	131.11	133.81	136.59	139.44	142.37	145.37	148.44	151.59	104.81	9
		-	-		-	-	-		_	10	T
- 1	1	2	3	4	5	6	7	8	9	10	1

0 1 2 3 4 5 6	11.81 12.93 14.11 15.37	13.33 14.48	14.93								
2 3 4 5	14.11	14.48	***********	16.59	18.33	20,15	22.04	24.00	26.04	28.15	1
3 4 5			16.11	17.81	19.59	21.44	23.37	25.37	27.44	29.59	1
5	15.37	15.70	17.37	19.11	20.93	22.81	24.78	26.81	28.93	31.11	1 3
5	40 -01	17.00	18.70	20.48	22.33	24.26	26.26	28.33	30.48	32.70	100
	16.70	18.37	20.11	21.93	23.81	25.78	27.81	29.93	32.11	34.37	13
6	18.11	19.81	21.59	23.44	25.37	27.37	29,44	31.59	33.81	36.11	1
	19.59	21.33	23.15	25.04	27.00	29.04	31.15	33.33	35.59	37.93	
7	21.15	22.93	24.78	26.70	28.70		32.93	35.15	37.44	39.81	1
8	22.78 $24.48$	24.59 26.33	$26.48 \\ 28.26$	28.44 30.26	30.48		34.78	37.04	39.37	41.78	
10	26.26	28.15	30.11	32.15	32.33 34.26	34.48	36.70 38.70	39.00 41.04	41.37 $43.44$	43.81 45.93	1
$\sim$ 1	total or the same	10.50/553		Supplied to See		THE TO	, dw. len. 1	department of	Hart Street	11/2/11/20	100
11	28.11	$30.04 \\ 32.00$	$32.04 \\ 34.04$	34.11 36.15	36.26 38.33	38.48	40.78	43.15	45.59	48.11	
13	$30.04 \\ 32.04$	34.04	36.11	38.26	40.48	40.59	42.98 $45.15$	45.33	47,81 50,11	50.37 52.70	
14	34.11	36.15	38.26	40.44	42.70	45.04	47.44	49.93	52.48	55.11	
15	36.26	38.33	40.48	42.70	45.00	47.37	49.81	52.33	54.93	57.59	
16	38.48	40.59	42.78	45.04	47.37	49.78	52.26	54.81	57.44	60.15	177
17	40.78	42.93	45.15	47.44	49.81	52.26	54.78	57.37	60.04	62.78	
18	43, 15	45.33	47.59	49.98	52.33	54.81	57.37	60.00	62.70	65.48	
19	45.59	47.81	50.11	52.48	54.93	57.44	60.04	62.70	65.44	68.26	
20	48.11	50.37	52.70	55.11	57.59	60.15	62.78	65.48	68.26	71.11	20
21	50.70	53.00	55.37	57.81	60.33	62.93	65.59	68.33	71,15	74.04	21
22	53.37	55.70	58.11	60.59	63.15	65.78	68.48	71.26	74.11	77.04	
23	56.11	58.48	60.93	63.44	66.04	68.70	71.44	74.26	77.15	80.11	
24	58.93	61.33	63.81	66,37	69.00		74.48	77.33	80.26	83.26	24
25	61.81	64.26	66.78	69.37	72.04	74.78	77.59	80.48	83.44	86.48	2
26	64.78	67.26	69.81	72.44	75.15	77.93	80.78	83.70	86.70	89.78	26
27	67.81	70.33	72.93	75.59	78.33	81.15	84.04	87.00	90.04	93.15	27
28	70.93	73.48	76.11	78.81	81.59	84.44	87.37	90.37	93.44	96.59	
29	74.11	76.70	79.37	82.11	84.93		90.78	93.81		100.11	
30	77.37	80.00	82.70	85.48	88.33	91,26	94.26	97.33	100.48	103.70	30
31	80.70	83.37	86.11	88.93	91.81	94.78				107.37	
32	84.11	86.81	89.59	92.44	95.37					111.11	
33	87.59	90.33	93.15	96.04		102.04					
34	91.15	93.93	96.78			105,78					
35	94.78		1 Table 1	The second second		109.59	of the second		200 CON	0.0000000000000000000000000000000000000	100
36		101.33									
		105.15 109.04									
		113.00									
		117.04									
201	41000	3000000	10.00	A. Str. of A. O. S.		CE STATE	and or married		March 21	CAL STORY	
		121.15 $125.33$									
		129.59									
		133.93									
		138.33									
8.1	200	142.81		271.471		Agents and the		Control of the last	0.045	January 199	
		147.37									
		152.00									
		156.70									
50	158.11	161.48	164.93	168.44	172.04	175.70	179.44	183.26	187.15	191.11	5
7	11	12	13	14	15	16	17	18	19	20	-

TABLE XXXII.—BASE 36.—SLOPES 3 to 1.

Peet.	21	22	23	24	25	26	27	28	29	30	Peet.
0	30.33	32.59	34.93	37.33	39.81	42.37	45.00	47.70	50.48	53.33	1
1	31.81	34.11	36.48	38,93	41.44	44.04	46.70		52.26	55.15	
2	33.37	35.70	38.11	40.59	43.15	45.78	48.48	51.26	54.11	57.04	
3	35.00	37.37	39.81	42.33	44,93	47.59	50.33	53.15	56.04	59.00	1
4	36.70	39.11	41.59	44.15	46.78	49.48	52.26	55.11	58.04	61.04	1
5	38,48	40.93	43.44	46.04	48.70	51.44	54.26	57.15	60.11	63.15	
6	40.33	42.81	45.37	48.00	50.70	53.48	56.33	59.26	62.26	65.33	ı
7	42,26	44.78	47.87	50.04	52.78	55.59	58.48	61.44	64.48	67.59	l
8	44.26	46.81	49.44	52.15	54.93	57.78	60.70	63.70		69.93	
9	46.33	48.93	51.59	54.33	57.15	60.04	63.00	66.04	69.15	72.33	
10	48.48	51.11	53.81	56.59	59.44	62.37	65.37	68.44	71.59	74.81	1
11	50.70	53.37	56.11	58.93	61.81	64.78	67.81	70.93	74.11	77.37	1
12	53.00	55.70	58.48	61.33	64.26	67.26	70.33	73.48		80.00	
13	55.37	58.11	60.93	63.81	66.78	69.81	72.93	76.11	79.37	82.70	
14	57.81	60.59	63.44	66.37	69.37	72.44	75.59	78.81	82.11	85.48	
15	60.33	63.15	66.04	69.00	72.04	75.15	78.33	81.59	84.93	88.33	
16	62.93	65.78	68.70	71.70	74.78	77.93	81.15	84.44	87.81	91.26	
17	65.59	68.48	71.44	74.48	77.59	80.78	84.04	100	90.78	94.26	
18	68.33	71.26	74.26	77.33	80.48	83.70	87.00		93.81	97.33	
19	71.15	74.11	77.15	80.26	83.44	86.70	90.04	93.44		100.48	
20	74.04	77.04	80.11	83.26	86.48	89.78	93.15	96.59	100.11		
21	77.00	80.04	83.15	86.33	89.59	92.93	96.33	1.00	103.37	Age, of Andrea	100
$\frac{21}{22}$	80.04	83.11	86.26	89.48	92.78			1	106.70		
23	83.15	86.26	89.44	92.70	96.04				110.11		
24	86.33	89.48	92.70	96.00					113.59		
25	89.59	92.78	96.04						117.15		
26	92.93	96.15	1000		10 3/20 30	Prince Control	10000000	A THE STATE OF	120.78		1
$\frac{20}{27}$	96.33		102.93								
28			106.48								
			110.11								
			113.81								
	10000000	0.00	9 15 17 1 1997		40.00	1000	100 000	SHOW THE	Street Street Street	All and the	F-
			117.59								
			121.44								
			125.37 $129.37$								
			133.44								
	200 - 100-0		CE				0.000-75		COMM		100
			137.59								
			141.81								
			146.11 $150.48$								
			154.93								
	100 300 000	100	Cherry Control	WHEN PARTY		0.000 000	3 - 3 7 7 7 7	A	N (100 A./ )	M. 550. 20 A	Ю.
			159.44								
			164.04								
			168.70								
			$173.44 \\ 178.26$								
	8 7 5 7 7 7 7	Large and and			-C-555 6	USS 3 7 1	Section 1	Call State States	A DECIMAL OF	A second section	ь.
			183.15								
			188.11								
			193.15								
			198.26								
00	195.15	199.26	203.44	207.70	212.04	216.44	220.93	225,48	230.11	254.81	9
ī	01	00	-00	0.4	0.0	oc	0.4	-00	-00	-00	1
	21	22	23	24	25	26	27	28	29	30	1

Poet	31	32	33	34	35	36	37	38	39	40	Foot.
0	56, 26	59.26	62.33	65.48	68.70	72.00	75.37	78.81	82.33	85.93	
1	58.11	61.15	64.26		70.70		77.44	80.93	84.48	88.11	]
2	60.04	63.11	66.26	69.48	72.78	76.15	79.59	83.11	86.70	90.37	1
3	62.04	65.15 67.26	68.33 70.48	71.59 73.78	74.93 77.15	78.33 80.59	81.81 84.11	85.37 87.70	89.00 91.37	92.70 95.11	1 4
4 5	64.11 66.26	69.44	72.70	76.04	79.44	82.93	86.48	90.11	93.81		1
6	68.48	71.70	75.00	78.37	81.81	85.33	88,93	92.59	i	100.15	
7	70.78	74.04	77.87	80.78	84.26	87.81	91.44	95.15		102.78	
8	73.15	76.44	79.81	83.26	86.78				101.59		
9	75.59	78.93	82.33	85.81	89.37	93.00		1 .	104.83		1
10	78.11	81.48	84.93	88.44	92.04	95.70		1	107.15		ı
11	80.70	84.11	87.59	91.15	94.78				110.04		
12	83.37	86.81	90.33	93.93					118.00		
13 14	86.11 88.93	89.59 92.44	93.15 96.04						116.04 119.15		
15	91.81	95.37							122.83		
16	94.78	1					1		125.59	!	1
17		101.44									
		104.59									
		107.81									
		111.11			1	i		1	1	1	1
		114.48									
		117.93 121.44									
		125.04									
		128.70									
- 1		132.44		1	1		i .			1	1
		186.26									
		140.15									
		144.11									
1		148.15			l		1			ļ	ı
		152.26 156.44									
		160.70							1		1
		165.04									
85	165.15	169.44	173.81	178.26	182.78	187.37	192.04	196.78	201.59	206.48	3
36	169.59	173.93	178.33	182.81	187.87	192.00	196.70	201.48	206.33	211.26	3
		178.48									
		183.11									
		$187.81 \\ 192.59$									
ŀ		197.44					1			l .	•
		202.37									
		207.37									
44	207.81	212.44	217.15	221.93	226.78	231.70	236.70	241.78	246.98	252.15	44
45	212.93	217.59	222.33	227.15	232.04	237.00	242.04	247.15	252.38	257.59	4
		222.81									
		228.11									
		233.48									
		238.93 244.44									
				201.01							_
	31	32	33	34	35	36	37	38	39	40	

Pee	41	42	43	44	45	46	47	48	49	50	0
0	89.59	93.33	97.15	101.04	105.00	109.04	113.15	117.33	121.59	125,93	1
1	91.81			103.37							
2	94.11	97.93	101.81	105.78	109.81	113.93	118.11	122.37	126.70	131.11	ı
3		100.33									
4		102.81									
5	101.44	105.37	109.37	113.44	117.59	121.81	126.11	130.48	134.93	139.44	ı
		108.00									1
		110.70									
		113.48									
		116.33									
		119.26		C. C. C. C. C.	CW 17522	10.00 mm	1000		Contract	C. A.V	1
		122.26									
		125.33									
		128.48 $131.70$									
		135.00									
- 1	200			the state of	San San San San	A 10 - A 10	to the second		A STATE OF THE REAL PROPERTY.	(A) (2) . A 3.23	1
		138.37									
		141.81									
		145.33 148.93									
		152.59									
- 21					12 14 17 17 16	C. S 'NY	P. C. L. C. P. A.		2000	NAME OF	r
		156.33 160.15									
		164.04									
		168.00									
		172.04									
0.1	40.000	176.15	W 1 1 1 1 1 1 1 1	10/25-17 11:1	11-20-	of the sales		State and Company	Andrew Street	100000	Г
		180.33									
		184.59									
		188.93									
		193.33									
31	192.93	197.81	202.78	207.81	212.93	218.11	223.37	228.70	234.11	239.59	l,
		202.37									
		207.00									
14	206.70	211.70	216.78	221.93	227.15	232.44	237.81	243.26	248.78	254.37	1
5	211.44	216.48	221.59	226.78	232.04	237.37	242.78	248.26	253.81	259.44	ŀ
16	216.26	221.33	226.48	231.70	237.00	242.37	247.81	253.33	258.93	264.59	ŀ
		226.26									
8	226.11	231,26	236.48	241.78	247.15	252.59	258.11	263.70	269.37	275.11	į
19	231.15	236.33	241.59	246.93	252.33	257.81	263.37	269.00	274.70	280.48	ŀ
10	236.26	241.48	246.78	252.15	257.59	263.11	268.70	274.37	280.11	285.93	ŀ
		246,70									
		252,00									
		257.37									
		262.81									
		268.33		Committee of the Commit	1 1 1 1 1 1	and the second	14 74 74 74	5 - 3 digital 1 A 1 Aug			н
		273,93									
		279.59									
		285.33									
		291.15									
-	201.14	297.04	002.70	300.44	314.26	320.10	020.11	332.13	000.20	344.44	ľ
	41	42	43	44	45	46	47	48	49	100	٢

Fret	11	12	13	14	15	16	17	18	19	20	Peat
0	9.64	10.67	11.72	12.79	13.89	15.01	16.16	17.33	18.53	19.75	1
1	10.53	11.57	12.63	13,72	14.83	15.96	17.12	18.31	19.52	20.75	
2	11.44	12.49	13.57	14.67	15.79	16.94	18.11	19.31	20.53	21.78	
3	12.38	13.44	14.53	15.64	16.78	17.94	19.12	20.33	21.57	22.83	1
4	13.35	14.42	15.52	16.64	17.79	18.96	20,16	21.38	22.63	23.90	
5	14.33	15.42	16.53	17.67	18,83	20.01	21.22	22.46	23,72	25.00	
6	15.35	16.44	17.57	18.72	19.89	21.09	22.31	23.56	24.83	26.12	1
7	16.38	17.49	18.63	19.79	20.98	22.19	23.42	24.68	25.96	27.27	0
8	17.44	18.57	19.72	20.89	22.09	23.31	24.56	25.83	27.12	28.44	13
9	18,53	19.67	20.83	22.01	23,22	24.46	25.72	27.00	28,31	29.64	
10	19,64	20.79	21.96	23.16	24.38	25.63	26.90	28.20	29.52	30,86	1
11	20.78	21.94	23.12	24.33	25.57	26.83	28.11	29.42	30.75	32.11	1
12	21.94	23.11	24.31	25.53	26.78	28.05	29.35	30.67	32.01	33.38	1
13	23.12	24.31	25.52	26.75	28.01	29.30	30.61	31.94	33.30	34.68	1
14	24.33	25.53	26.75	28.00	29.27	30.57	31.89	33.23	34.61	36.00	1
15	25.57	26.78	28.01	29.27	30.56	31.86	33,20	34.56	35.94	37.35	
16	26.88	28.05	29.30	30.57	31.86	33.19	34.53	35.90	37.30	38.72	1
17	28.11	29.35	30.61	31.89	33.20	34.53	35.89	37.27	38.68	40.11	
18	29.42	30.67	31.94	33.23	34.56	35.90	37.27	38.67	40.09	41.53	
19	30.75	32.01	33.30	34.61	35.94	37.30	38.68	40.09	41.52	42.98	
20	82.11	33.38	34.68	36.00	37.35	38.72	40.11	41.53	42.98	44,44	
	33.49	34.78	36.09	37.42	38.78	40.16	41.57	43.00	44,46	45.94	
21	34.90	36.20	37.52	38.86	40.23	41.63	43.05	44.49	45.96	47.46	
22				40.33	41.72	43.12	44.56	46.01	47.49	49.00	
23	36.33	37.64	38,98	41.83	43.22	44.64	46.09	47.56	49.05	50.57	
24	37.79 39.27	39.11 40.61	40.46	43.35	44.75	46.19	47.64	49.12	50.63	52.16	
200		100 CV	The second	1000	46.31		49.22	50.72	52.23	53.78	
26	40.78	42.12	43.49	44.89 46.46	47.89	47.75 49.35	50.83	52.83	53.86	55.42	
27	42,31	43.67		48.05	49.49	50.96	52.46	53.98	55.52	57.09	
28	43.86	45.23	46.63	49.67	51.12		54.11	55.64	57.20	58.78	
29	45.44	46.83	48.23 49.86	51.31	52.78	52.61 $54.27$	55.79	57.33	58.90	60.49	
30	47.05	48.44	15 100	6.30 0.0	Control	Carrie Salar	100	100.00		100 mm	
31	48.68	50.09	51.52	52.98	54.46	55.96	57.49	59.05	60.63	62.23	17
32	50.33	51.75	53.20	54.67	56.16	57.68	59.22	60.79	62.38	64.00	
33	52.01	53.44	54.90	56.88	57.89	59.42	60.98	62.56	64.16	65.79	
34	53.72	55.16	56.63	58.12	59.64 61.42	61.19	62.75 64.56	64.35	65.96 67.79	67.60 69.44	
35	55.44	56.90	58.38	59,89	The second	Parish profession	1000 000	12 Table 1 N	The State of the State of	1000	1
36	57.20	58.67	60.16	61.68	63.22	64.79	66.38	68.00	69.64	71.31	
37	58.98	60.46	61.96	63.49	65.05	66,63	68.23	69.86	71.52	73.20	
38	60.78	62.27	63.79	65.33	66.90	68.49	70.11	71.75	73.42	75.11	
39	62.61	64.11	65.64	67.20	68.78	70.38	72.01	73.67	75.35	77.05	
40	64.46	65.98	67.52	69.09	70.68	72,30	73.94	75.60	77.30	79.01	l-
41	66.33	67.86	69.42	71.00	72.60	74.23	75.89	77.57	79.27	81.00	
42	68.23	69.78	71.35	72.94	74.56	76.20	77.86	79.56	81.27	83.01	
43	70.16	71.72	73.30	74.90	76.53	78.19	79.86	81.57	83.30	85.05	L
44	72.11	73.68	75.27	76.89	78.53	80.20	81,89	83.60	85.35	87.11	
45	74.09	75.67	77.27	78.90	80.56	82.23	83.94	85.67	87.42	89.20	
46	76.09	77.68	79.30	80.94	82.60	84.30	86.01	87.75	89.52	91.31	
47	78.11	79.72	81.35	83.00	84.68	86.38	88.11	89,86	91.64	93.44	
48	80.16	81.78	83.42	85.09	86.78	88.49	90,23	92.00	93.79	95.60	
49	82,23	83.86	85,52	87.20	88.90	90,63	92.38	94.16	95.76		
50	84.33	85.98	87.64	89.33	91.05	92.79	94.56	96.35	98.16	100.00	5
	11	12	13	0.7	15	16	17		19	20	Г

Feet	21	22	23	24	25	26	27	28	29	30	Feet.
0	21.00	22.27	23.57	24.89	26.23	27.61	29.00	30.42	31.86	33.33	-
1	22.01	23.30	24.61	25.94	27.30	28.68	30.09	31.52	32,98	34.46	
2	23.05	24.35	25.67	27.01	28.38	29.78	31.20	32.64	34.11	35.61	5
3	24.11	25.42	26.75	28.11	29.49	30.90	32.33	33.79	35.27	36.78	
4	25.20	26.52	27.86	29.23	30.63	32.05	33.49	34.96	36.46	37.98	4
5	26,31	27.64	29.00	30.38	31.79	33.22	34.68	36.16	37.67	39.20	1
6	27.44	28.79	30.16	31.56	32.98	34.42	35.89	37.38	38,90	40.44	1
7	28.61	29.96	31.35	32.75	34.19	35.64	37.12	38.63	40.16	41.72	
8	29.79	31.16	32.56	33.98	35.42	36.89	38.38	39.90	41.44	43.01	
9	31.00	82.38	33.79	35.22	36.68	38.16	39.67	41.20	42.75	44.33	
10	32.23	33.63	35.05	36.49	37.96	39.46	40.98	42.52	44.09	45.68	16
11	33.49	34.90	36.33	37.79	39.27	40.78	42.31	43.86	45.44	47.05	11
12	34.78	36.20	87.64	39.11	40.61	42.12	43.67	45.23	46.83	48.44	15
13	36.09	37.52	38.98	40.46	41.96	43.49	45.05	46.63	48.23	49.86	13
14	37.42	38.86	40.33	41.83	43.35	44.89	46.46	48.05	49.67	51.31	14
15	38.78	40.23	41.72	43.22	44.75	46.31	47.89	49.49	51.12	52.78	1.
16	40.16	41.63	43.12	44.64	46.19	47.75	49.35	50.96		54.27	16
17	41.57	43.05	44.56	46.09	47.64	49.22	50.83	52.46	54.11	55.79	17
18	43.00	44.49	46.01	47.56	49.12	50.72	52.33	53.98	55.64	57.33	18
19	44.46	45.96	47.49	49.05	50.63	52.23	53.86	55.52	57.20	58.90	15
20	45.94	47.46	49.00	50.57	52.16	53.78	55.42	57.09	58.78	60.49	20
21	47.44	48.98	50.53	52.11	53.72	55.35	57.00	58.68	60.38	62.11	2
22	48.98	50.52	52.09	53.68	55.30	56.94	58.60	60.30	62.01	63.75	25
23	50.53	52.09	53.67	55.27	56.90	58.56	60.23	61.94	63.67	65.42	2
24	52.11	53.68	55.27	56.89	58.53	60.20	61.89	63.61	65.35	67.11	24
25	53.72	55.30	56.90	58.53	60.19	61.86	63.57	65.30	67.05	68.83	28
26	55.35	56.94	58.56	60.20	61.86	63.56	65.27	67.01	68.78	70.57	26
27	57.00	58.60	60.23	61.89	63.57	65.27	67.00	68.75	70.53	72.33	27
28	58.68	60.30	61.94	63.61	65.30	67.01	68.75	70.52	72.31	74.12	28
29	60.38	62.01	63.67	65.35	67.05	68.78	70.58	72.31	74.11	75.94	
30	62.11	63.75	65.42	67.11	68.83	70.57	72.33	74.12	75.94	77.78	30
31	63.86	65.52	67.20	68.90	70.63	72.38	74.16	75.96	77.79	79.64	31
32	65.64	67.31	69.00	70.72	72.46	74.22	76.01	77.88	79.67	81.53	35
33	67.44	69.12	70.83	72.56	74.31	76.09	77.89	79.72	81.57	83.44	38
34	69.27	70.96	72.68	74.42	76.19	77.98	79.79	81.63	83.49	85,38	34
35	71.12	72.83	74.56	76.31	78.09	79.89	81.72	83.57	85.44	87.35	38
36	73.00	74.72	76.46	78.22	80.01	81.83	83.67	85.53	87.42	89.33	36
37	74.90	76.63	78.38	80.16	81.96	83.79	85.64	87.52	89,42	91.35	37
38	76.83	78.57	80.33	82.12	83.94	85.78	87.64	89.53	91.44	93.38	38
39	78.78	80.53	82.31	84.11	85.94	87.79	89.67	91.57	93.49	95.44	
40	80.75	82.52	84.31	86.12	87.96	89.83	91.72	93.63	95.57	97.53	4(
41	82.75	84.53	86.33	88.16	90.01	91.89	93.79	95.72	97.67	99.64	41
42	84.78	86.57	88.38	90.22	92.09	93.98	95.89	97.83		101.78	
43	86.83	88.63	90.46	92.31	94.19	96.09	98.01		101.94		
44	88.90	90.72	92.56	94.42	96.31				104.11		
45	91.00	92,83	94.68	96.56	98.46	100,38	102,33	104.31	106.31	108.33	45
46	93.12	94.96	96.83	98.72	100,63	102.57	104.53	106.52	108.53	110.57	46
47	95.27	97.12	99.00	100.90	102.83	104.78	106.75	108.75	110.78	112.83	47
48	97.44				105.05						
49		101.52									
50	101.86	103.75	105.67	107.60	109.57	111,56	113.57	115.60	117.67	119.75	50
	21	22	23	24	25	26	27	28	29	30	

TABLE XXXIII.—BASE 40.—SLOPES 1 to 1.

Feet.	31	32	33	34	35	36	37	38	39	40	Feet.
6	34,83	36.35	37.89	39.46	41.05	42.67	44.31	45.98	47.67	49.38	1
1	35.96	37.49	39.05	40.63	42.23	43.86	45.52	47.20	48,90		li.
2	37.12	38.67	40.23	41.83	43.44	45.09	46.75	48.44	50.16	40.00	1
3	38,31	39,86	41.44	43.05	44.68	46,33	48.01	49.72	51.44	53.20	1
4	39,52	41.09	42.68	44.30	45.94	47.61	49,30	51.01	52.75	54.52	1
5	40.75	42.33	43.94	45.57	47.22	48.90	50,61	52.33	54.09	55.86	1
6	42.01	43.61	45,22	46.86	48.53	50.22	51.94	53.68	55.44	57.23	1
7	43.30	44.90	46.53	48.19	49.86	51.57	53.30	55.05	56.83	58.63	
8	44.61	46.22	47.86	49.53	51.22	52.94	54.68	56.44	58.23	60.05	19
9	45.94	47.57	49.22	50.90	52.61	54.33	56.09	57.86	59.67	61.49	1
10	47.30	48.94	50.61	52.30	54.01	55.75	57.52	59.31	61.12	62.96	1
11	48.68	50.33	52.01	53.72	55.44	57.20	58.98	60.78	62.61	64.46	1
12	50.09	51.75	53.44	55.16	56.90	58.67	60.46	62.27	64.11	65.98	
13	51.52	53.20	54.90	56.63	58.38	60.16	61.96	63.79	65.64	67.52	
14	52.98	54.67	56.38	58.12	59.89	61.68	63.49	65.33	67.20	69.09	
15	54.46	56.16	57.89	59.64	61.42	63.22	65.05	66.90			
16	55.96	57.68	59.42	61.19	62.98	64.79	66.63	68.49	70.38	72.30	
17	57.49		60.98	62.75	64.56	66.38	68.23	70.11	72.01	73.94	
18	59.05	60.79	62.56	64.35	66.16	68.00	69.86	71.75	73.67	75.60	
19	60.68	62.38	64.16	65.96	67.79	69.64	71.52	73.42	75.35	77.30	
20	62.23	64.00	65.79	67.60	69.44	71.31	73.20	75.11	77.05	79.01	
21	63.86	65.64	67.44	69.27	1133753	73.00	74.90		200	1100 1100	Н
22	65.52	67.31	69.12	70.96	71.12 72.83	74.72	76.63	76.83 78.57	78.78 80.53		
23	67.20	69.00	70.83	72.68	74.56	76.46	78.38	80.33	82.31	84.31	
24	68.90	70.72	72.56	74.42	76.31	78.22	80.16	82.12	84.11	86.12	
25	70.63	72.46	74.31	76.19	78.09	80.01	81.96	83.94	85.94	87.96	
2.31	Action to the	7 Sec. 3 (1)	45.07.7	0.000	200	10000	35 550	2000	To Allert A	12.200	
26	72.38	74.22	76.09	77.98	79.89	81.83	88.79	85.78		89.83	
27	74.16	76.01	77.89	79.79	81.72	83.67	85.64	87.64	89.67	91.72	
28 29	75.96	77.83	79.72	81.63	83.57	85.53	87.52	89.53		93.63	
30	77.79	79.67	81.57	83.49	85.44	87.42	89.42	91.44	93.49		
- 1	79.64	81.53	83.44	85.38	87.85	89.33	91.35	93.38	95.44	97.53	
31	81.52	83.42	85.35	87.30	89,27	91.27	93.30	95.35			
32	83,42	85.33	87.27	89.23	91.22	93.23	95.27	97.33		101.53	
33	85.85	87.27	89.22	91.20	93.20	95.22	97.27			103.57	
34	87.30	89.23	91.20	93.19	95.20	97.23				105.63	
35	89.27	91.22	93,20	95.20	97.22					107.72	۲.
36	91.27	93.23	95, 22	97.23						109.83	
37	93.30	95.27	97.27							111.96	
88	95.35									114.12	
39	97.42									116.31	
10	99.52	101.53	103.57	105.63	107.62	109.83	111.96	114.12	116.31	118.52	4
										120.75	
										123.01	
										125.30	
										127.60	
10	110.38	112.46	114.56	116.68	118.83	121.00	123.20	125.42	127.67	129.94	4
										132.30	
										134.68	
48	117.20	119.31	121.44	123.60	125.79	128.00	130.23	132.49	134.78	137.09	4
										139.52	
50	121.86	124.00	126.16	128.35	130.56	132.79	135.05	137,33	139.64	141.97	ō
				_				-	_	_	-
	31										

TABLE XXXIII.—BASE 40.—SLOPES 1 to 1.

Peet	41	42	43	44	45	46	47	48	49	50	Feet.
0	51.12	52.89	54.68					64.00		67.90	
1	52.88	54.16			59.64				67.30	69.27	
3	53.67 54.08	55.46 56.78	57.27 58.61	59.11 60.46	60.98 62.33				68.68		
4	56.31	58.12	59.96		63.72			68.11 69.53	70.09 71.52	72.09 73.53	
5	57.67	59.49	61.35		65.12			70.98		75.00	
6	59.05	60.89	62.75	64.64	66.56	68.49	70.46	72.44	74.46	76.49	1
7	60.46	62.31	64.19	66.09	68.01			73.94	75.96	78.01	
8	61.89	63.75	65.64		69.49			75.46			
9 10	63.35 64.83	65.22 66.72	67.12 68.63		71.00 72.53		74.98 76.53	77.00 78.57	79.05 80.63	81.12 82.72	
	1		1	1	l	1		1	!	1	1
11 12	66.33 67.86	68.23 69.78	70.16 71.72	72.11 73.68	74.09 75.67		78.11 79.72	80.16 81.78		84.33 85.98	
13	69.42	71.35	73.80		77.27			83.42	85.52		
14	71.00	72.94	74.90	76.89	78.90			85.09		89.33	
15	72.60	74.56	76.53	78.53	80.56	82.60	84.68	86.78	88.90	91.05	1
16	74.23	76.20	78.19	80.20	82.23	1		88.49			
17	75.89	77.86	79.86		83.94		88.11	90.23			
18 19	77.57 79.27	79.56 81.27	81.57 83.30	83.60 85.35	85.67 87.42		89.86 91.64	92.00 93.79			
20	81.00	83.01	85.05	87.11	89.20		93.44	95.60		100.00	-
21	82.75	84.78	86.83		91.00			97.44	1	101.86	i
22	84.53	86.57	88.63	90.72	92.83					103.75	
23	86.33	88.38	90.46		94.68	96.83		101.20	103.42	105.67	2
24	88.16	90.22	92.31	94.42	96.56		100.90				
25	90.01	92.09	94.19	96.31		100.63			l	}	1
26	91.89	93.98				102.57					
$\frac{27}{28}$	93.79 $95.72$	95.89 97.83				104.53 $106.52$					
29	97.67					108.53					
30	99.64	101.78	103.94	106.12	108.33	110.57	112.83	115.11	117.42	119.75	3
31	101.64	103.79	105.96	108.16	110.38	112.63	114.90	117.20	119.52	121.86	3
	103.67										
	105.72										
	107.79 109.89										
	112.01										
37	114.16	116.38	118.63	120.90	123.20	125.51	127.86	130.23	132.63	135.05	3
	116.33										
	118.53										
1	120.75										
41	123.00	125.27	127.57	129.89	132.23	134.60	137.00	139.42	141.86	144.33	4
	125.27 127.57										
	129.89										
	132.23										
- 1	184.60										
47	137.00	139.35	141.72	144.11	146.53	148.97	151.44	153.94	156.46	159.00	4
48	139.42	141.78	144.16	146.57	149.00	151.46	153.94	156.44	158.97	161.53	48
	141.86										
50	144.33	140.72	145, 12	191.00	104.01	100.49	109.00	101.03	104.09	100.67	0(
- 1	41	42	43	44	45	46	47	48	49	50	_

TABLE XXXIV.—BASE 40.—SLOPES 11 to 1.

Feet	1	2	3	4	5	6	7	8	9	10	Feet.
0	0.76	1.55	2.39	3.78	4.17	5.11	6.09	7.11	8.17	9.20	0
1	1.54	2.35	3.72	4.09	5.02	5.98	6.98	8.02	9.09	10.20	1
2	2.35	3.70	4.05	4.96	5.91	6.89	7.91	8.96	10.05	11.18	2
3	3.72	4.05	4.94	5.87	6.83	7.83	8.87	9.94	11.05	12,20	8
4	4.09	4.96	5.87	6.81	7.80	8.81	9.87	10.96	12.09	13.26	4
5	5.02	5.91	6.83	7.80	8.80	9.83	10.91	12.02	13.17	14.36	5
6	5.98	6.89	7.83	8.81	9.83	10.89	11.98	13.11	14.28	15.48	6
7	6.98	7.91	8.87	9.87	10.91	11.98	13.09	14.24	15.42	16.65	7
8	8.02	8.96	9.94	10.96	12.02	13.11	14.24	15.34	16.61	17.85	8
9	9.09	10.05	11.05	12.09	13.17	14.28	15.42	16.61	17.83	19.09	9
10	10,20	11.18	12.20	13.26	14.36	15.48	16.65	17.85	19.09	20.37	10
11	11.35	12.35	13.38	14.46	15.57	16.72	17.91	19.13	20.39	21.68	11
12	12.54	13.55	14.61	15.70	16.83	18.00	19.20	20.44	21.72	23,04	
13	13.76	14.80	15.87	16.98	18.13	19.31	20.54	21.80	23.09	24.42	
14	15.02	16.07	17.17	18.30	19.46	20.67	21.91	23.18	24.50	25.85	14
15	16.31	17.39	18.50	19.65	20.83	22.05	23.31	24.61	25.94	27.31	15
16	17.65	18.74	19.87	21.04	22.24	23.48	24.76	26.07	27.42	28.81	16
17	19.02	20.13	21.28	22.46	23.68	24.94	26.24	27.57	28.94	30.35	
18	20.42	21.55	22.72	23.92	25.17	26.44	27.76	29.11	30.50	31.92	
19	21.87	23.02	24.20	25,42	26.68	27.98	29.31	30.68	32.09	33.54	
20	23.35	24.52	25.72	26.96	28.24	29.55	30.91	32.30	33.72	35.18	
21	24.87	26.05	27.28	28.54	29.83	31.17	32.54	33.94	35.39	36.87	17.0
22	26.42	27.63	28.87	30.15	31.46	32.81	34.20	35.63	37.09	38.59	
23	28.02	29.24	30.50	31.80	33.13	34.50	35.91	37.35	38.83	40.35	
24	29.65	30.89	32.17	33.48	34.83	36.22	37.65	39.11	40.61	42.15	
25	31.31	32.57	33.87	35.20	36.57	37.98	39.42	40.91	42.42	43.98	
26	33.02	34.30	35.61	36.96	38.35	39.78	41.24	42.74	44.28	45.85	-
27	34.76	36.05	37.39	38.76	40.17	41.61	43.09	44.61	46.17	47.76	
28	36.54	37.85	39.20	40.59	42.02	43.48	44.98	46.52	48.09	49.70	
29	38.35	39.68	41.05	42.46	43.91	45.39	46.91	48.46	50.05	51.68	
30	40.20	41.55	42.94	44.37	45.83	47.33	48.87	50.44	52.05	53.70	
31	42.09	43.46	44.87	46.31	47.80	49.31	50.87	52.46	54.09	55.70	5.70
32	44.02	45.41	46.83	48.30	49.80	51.33	52.91	54.52	56.17	57.85	
33	45.98	47.39	48.83	50.31	51.83	53.99	54.98	56.61	58.28	59.98	
34	47.98	49.41	50.87	52.37	53.91	55.48	57.09	58.74	60.42	62.15	
35	50.02	51.46	52.94	54.46	56.02	57.61	59.24	60.91	62.61	64.35	
36	52.09	53.55	55.05	56.59	58.17	59.78	61.42	63.11	64.83	66.59	26
37	54.20	55.68	57.20	58.76	60.35	61.98	63.65	65.35	67.09	68.87	
38	56.35	57.85	59.39	60.96	62.57	64.22	65.91	67.63	69.39	71.18	
39	58.54	60.05	61.61	63.20	64.83	66.50	68.20	69.94	71.72	73.54	- 4
40	60.76	62.30	63.87	65.48	67.13	68.81	70.54	72.30	74.09	75.92	
41	63.02	64.57	66.17	67.80	69.46	71.17	72.91	74.68	76.50	78.85	41
42	65.31	66.89	68.50	70.15	71.83	73.55	75.31	77.11	78.94	80.81	
43	67.65	69.24	70.87	72.54	74.24	75.98	77.76	79.57	81.42	83.31	
44	70.02	71.63	78.28	74.96	76.68	78.44	80.24	82.07	83.94	85.85	
45	72.42	74.05	75.72	77.42	79.17	80.94	82.76	84.61	86.50	88.42	
46	74.87	76.52	78.20	79.92	81.68	83.48	85.31	87.18	89.09	91.04	
46	77.35	79.02	80.72	82.46	84.24	86.05	87.91	89.80	91.72	93.68	
48	79.87	81.55	83.28	85.04	86.83	88.67	90.54	92.44	94.39	96.37	
49	82.42	84.13	85.87	87.65	89.46	91.31	93.20	95.13	97.09	99.09	
50	85.02	86.74	88.50	90.30	92.13	94.00	95,91	97.85		101.85	
	1	2	3	4	5	6	7	8	9		-

## TABLE XXXIV.—BASE 40.—SLOPES 1½ to 1.

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Feet	11	12	13	14	15	16	17	18	19	20	Feet.
ď							17.94		20.76	22.22	0
1							19.02		21.87		
2							20.13		$\begin{vmatrix} 23.02 \\ 24.20 \end{vmatrix}$		
4							1				
5									26.68		
l	16.72	18.00	19.31	20.67	22.05	23.48	24.94	26.44	27.98	29.55	6
7		19.20					26.24				7
8				1			27.57		30.68		
9 10				1		27.42 28.81	28.94 $30.35$		32.09 33.54		
11	1	1	1	J	1	1	31.80	1	35.02		1
12		25.78					33.28		36.54		
13		27.20	28.65				34.80		38.09		
14							36.35	38.00	39.68		
15	1	l	1	1	1	ł	37.94		41.31	Į.	
16						37.92	39.57				
17 18		33.28 34.89					$  41.24 \\ 42.94$	1	44.68		
19	1	36.54				42.98	44.68		48.20		
20		38.22			43.05		46.46		50.02		
21		39.94	41.54	43.17	44.83	46.54	48.28	50.05	51.87	53.72	21
22		41.70					50.13		53.76		
$\begin{array}{c} 23 \\ 24 \end{array}$		43.50 45.33					52.02		55.68		
$\frac{24}{25}$		47.20					$53.94 \\ 55.91$	55.78 57.76	57.65 59.65		
26	1	49.11	50.80	l .	1		57.91	59.78	61.68	l	1
27		51.05		F .			59.94	61.83	63.76		
28		53.04		,	58.31	60.15	62.02	63.92	65.87	67.85	
29		55.05	56.80		60.39	62.24	64.13	66.05	68.02	70.02	
30	1	57.11	58.87	i	62.50	64.37	66.28	68.22	70.20	72.22	
$\frac{31}{32}$		59.20 61.33	60.98	1 .	64.65 66.83	66.54 68.74	68.46 70.68	70.42 $72.67$	72.42 $74.68$	74.46 76.74	
33		63.50		67.17	69.05	70.98	72.94	74.94	76.98	79.05	
34	63.91	65.70	67.54	69.41	71.31	73.26	75.24	77.26	79.31	81.41	
35	1 1	67.94	69.80	71.68	73.61	75.57	77.57	79.61	81.68	83.80	
36		70.22	72.09	74.00	75.94	77.92	79.94	82.00	84.09	86.22	
37 38		72.54 74.89	74.42 76.80	76.35 78.74	78.31 80.72	$80.31 \\ 82.74$	$82.35 \\ 84.80$	84.42 86.89	$86.54 \\ 89.02$	88.68 91.18	
39		77.28	79.20	81.17	83.17	85.20	87.28	89.39	91.54	93.72	
40		79.70	81.64	83.63	85.65	87.70	89.80	91.92	94.09	96.30	
41	80.24	82.17	84.13	86.03	88.17	90.24	92.35	94.50	96.68	98.81	41
42	82.72	84.67	86.65	88.67	90.72	92.81	94.94	97.11		101.55	
43 44	85.24	87.20	89.20	91.24	93.31	95.42	97.57	$99.76 \\ 102.44$		104.24	
45	87.80 90.39	89.78 $92.39$	91.80 94.42	93.85 96.50	95.94 98.61	100.76					
46	93.02	95.04	97.09			103.48		1		!	
47	95.68	97.72		101.91							
48		100.44	102.54	104.67	106.83	109.04	111.28	113.55	115.87	118.22	48
	101.13										
_	103.91	100.00	100.10	110.50	112.00	114.74	117.02	113.00	121.00	124.07	-
	11	12	13	14	15	16	17	18	19	20	
	11	14	19	14	10	10	11	10	19	20	- [



## TABLE XXXIV.—BASE 40.—SLOPES 11 to 1.

Feet.	21	22	23	24	25	26	27	28	29	30	Peat.
0	23.72	25.26	26.83	28.44	30.09	31.78	33.50	35.26	37.05	38, 89	1
1	24.87	26.42	28.02	29.65	31,31	33.02	34.76	36.54	38.35	40.20	L
2	26.05	27.63	29.24	30.89	32.57	34.30	36.05	37,85	39.68	41.55	ŀ
3	27.28	28.87	30.50	32.17	33.87	85,61	37.39	39,20	41.05	42.94	ı
4	28.54	30.15	31.80	33.48	35.20	36.96	38.76	40.59	42.46		L
5	29.83	31.46	33.18	34.83	36.57	38.35	40,17	42.02	43.91	45.88	ŀ
	1000		34.50	36.22	37.98	39.78	41.61	43.48	45.39	47.33	1
6	31.17	32.81			39.42	41.24	43.09	44.98	46.91	48.87	ı
7	32.54	34.20	35.91	37.65	40.91	42.74					
8	33.94		37.35	39.11		44.28	44.61	46.52	48.46		
9	35, 39	37.09	38.83	40.61	42.42		46.17	48.09	50.05	52.05	l.
10	36.87	38.59	40.35	42.15	43.98	45.85	47.76	49.70	51.68	53.70	
11	38.39	40.13	41.91	43.72	45.57	47.46	49,39	51.35	53.35	55.39	1
12	39.94	41.70	43.50	45.33	47.20	49.11	51.05	53.04	55.05	57.11	1
13	41.54	43.31	45.13	46.98	48.87	50.80	52.76	54.76	56.80	58.87	1
14	43.17	44.96	46.80	48.67	50.57	52.52	54.50	56.52	58.57	60.67	
15	44.83	46.65	48.50	50.39	52.31	54.28	56.28	58.31	60.39	62.50	
16	1477	48.37	50.24	52.15	54.09	56.07	58.09	60.15	62.24	64.37	1
	46.54	1 4 2 2 3 3 5	52.02	53.94	55.91	57.91	59.94	62.02	64.13	66.28	
17	48.28	50.13			57.76	59.78	61.83	63.92		68.22	
18	50.05	51.92	53.88	55.78	And the second				66.05		
19	51.87	53,76	55.68	57.65	59.65	61.68	63.76	65.87	68.02	70.20	
20	53.72	55.63	57.57	59.55	61.57	63.63	65.73	67.85	70.02	72.22	
21	55.61	57.54	59.50	61.50	63.54	65.61	67.72	69,87	72.05	74.28	2
22	57.54	59.48	61.46	63.48	65.54	67.63	69.76	71.92	74.13	76.37	2
23	59.50	61.46	63.46	65.50	67.57	69.68	71.83	74.02	76.24	78.50	2
24	61.50	63,48	65.50	67.55	69.65	71.78	73.94	76.15	78.39	80.67	
25	63.54	65.54	67.57	69.65	71.76	73.91	76.09	78.31	80.57	82.87	
26	1000	67.63	69.68	71.78	73.91	76.07	78.28	80.52	82.80	85.11	
27	65, 61		71.83		76.09	78.28	80.50	82.76	85.05	87.39	
	67.72	69.76		73.94		80.52					
28	69.87	71,92	74.02	76.15	78.31		82.76	85.04	87.85	89.70	
29	72.05	74,13	76.24	78.39	80.57	82.80	85.05	87.35	89.68	92.05	
30	74.28	76.37	78.50	80.67	82.87	85.11	87.39	89.70	92.05	94.44	1
31	76.54	78.65	80.80	82.98	85.20	87.46	89.76	92.09	94.46	96.87	3
32	78.83	80.96	83.13	85.33	87.57	89.85	92.17	94.52	96.91	99.33	3
33	81.17	83.31	85.50	87.72	89.98	92.28	94.61	96.98	99.39	101.83	3
34	83.54	85.70	87.91	90.15	92.42	94.74	97.09	99.48	101.91	104.37	3
35	85.94	88.13	90.35	92.61	94.91	97.24	99.61	102.02	104.46	106.94	3.
36	88.39	90.59	92.83	95, 11	97.42	99 78	109 17	104 59	107 05	109.55	9
37		93.09	95.35	97.65						112.20	
38	90.87 93.39	95.63	97.91							114.89	
39	95.94									117.61	
40	100000000000000000000000000000000000000										
3.1	100000000000000000000000000000000000000	1 1 1 1 1 1	12 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5		144.6 1411	March 1977 (A. 1977)			F 546 C.CV	120.37	-
										123.17	
										126.00	
										128.87	
										131.78	
45	112.05	114.42	116.83	119.28	121.76	124.28	126.83	129.42	132.05	134.72	4
										137.70	
										140.72	
										143.78	
										146.87	
σŪ.	120.50	128.96	101.46	154.00	150.57	109.18	141.83	144.02	141.24	150.00	0
	21	22	23	24	25	26	27	28	29	30	1

## TABLE XXXIV.—BASE 40.—SLOPES 11 to 1.

0 40,76 42.67 44.61 46.59 48.61 50.67 52.76 54.89 57.05 59.26 14.20 44.02 45.98 47.98 50.02 52.09 54.20 56.35 58.54 60.76 23.03 44.87 46.83 48.83 50.87 52.94 55.05 57.20 59.39 61.61 63.87 46.83 48.30 50.31 52.37 54.46 56.59 58.76 60.96 63.20 65.48 547.80 49.80 51.83 53.91 56.02 58.17 60.35 62.57 64.83 67.18 64.93 15.33 53.91 55.48 57.61 59.78 60.05 66.57 68.81 57.50 49.80 51.83 53.91 56.02 58.17 60.35 62.57 64.83 67.18 65.48 52.46 54.52 56.61 58.74 60.91 63.11 65.35 67.63 69.94 72.30 95.44 61.42 63.66 56.91 68.20 70.54 68.52 46 54.52 56.61 58.74 60.91 63.11 65.35 67.63 69.94 72.30 95.40 95.57 61.75 82.86 60.42 62.61 64.83 67.09 69.39 71.72 74.09 95.40 95.57 61.72 63.91 66.13 68.39 70.68 73.02 77.72 74.09 15.57 65.58 59.98 62.15 64.35 66.59 68.87 17.18 73.54 75.92 11 57.46 59.57 61.72 63.91 66.13 68.39 70.68 73.02 75.39 77.80 11 57.46 69.57 61.72 63.91 66.13 68.39 70.68 73.02 75.39 77.80 11 57.46 69.57 61.72 63.91 66.13 68.39 70.68 73.02 75.39 77.80 11 57.46 69.65 66.83 69.05 71.31 73.61 75.94 78.81 80.72 72.57 81.64 62.80 64.96 67.17 69.41 71.68 74.00 76.85 78.74 81.17 83.65 15 66.56 66.88 69.05 71.31 73.61 75.94 78.31 80.72 83.17 85.65 16 66.54 68.74 70.98 73.26 75.57 77.99 82.35 84.80 87.28 89.80 17 70.42 72.67 74.94 77.26 79.61 82.00 84.42 86.89 89.39 19.92 17 74.42 74.68 76.98 79.31 81.68 84.09 86.54 89.02 91.54 94.09 17 72.47 79.05 81.41 83.80 86.22 88.68 91.18 93.72 96.30 27 85.58 89.89 92.42 94.91 97.74 99.81 80.25 71.50 20 100.51 12.76 20 94.68 69.91 99.39 101.91 104.46 107.04 107.39 110.05 1103.13 80.72 89.50 87.57 89.98 92.42 94.91 97.74 99.81 80.25 71.50 20 100.51 11.78 11.98 114.61 117.28 119.92 122.61 125.35 124.50 117.80 111.98 114.61 117.28 119.92 122.61 125.35 124.50 117.80 111.98 114.61 117.28 119.92 122.61 125.35 124.11 11.98 114.61 117.28 119.92 122.61 125.35 128.13 130.94 130.94 131.99 132.51 11.98 114.61 117.28 119.92 122.61 125.35 128.13 130.94 130.94 131.99 122.61 125.35 128.13 130.94 130.94 133.79 140.90 122.88 125.50 128.81 131.04 131.99 132.50 111.99 112.61 113.59 113.44 115.39 113.44	Feet.	31	32	33	34	35	36	37	38	39	40	Peet,
1 42,09 44,02 45,98 47,98 50,02 52,09 54,20 56,35 58,54 60,76 2 43,46 45,41 47,39 49,41 51,46 53,55 55,68 57,85 60,05 62,30 63,48 48,83 50,87 52,94 55,05 57,20 59,39 61,61 63,87 46,81 48,80 50,81 52,37 54,46 56,59 58,76 60,96 63,20 65,48 57,78 50,98 80,76 52,91 54,98 57,09 59,24 61,42 63,65 65,91 68,20 70,54 85,24 64,52 56,61 58,74 60,91 63,11 65,36 67,63 69,94 72,30 95,40 95,61 75 58,28 60,42 62,61 64,83 67,09 69,39 71,72 74,09 10 55,76 57,85 59,98 62,15 64,35 66,59 68,87 71,18 73,54 75,92 11 57,46 59,57 61,72 63,91 66,13 68,39 70,68 73,02 75,39 77,80 11 57,46 59,57 61,72 63,91 66,13 68,39 70,68 73,02 75,39 77,80 11 57,46 69,56 67,17 69,41 71,68 74,00 76,35 78,74 81,17 83,65 11 66,66 66,84 66,96 67,17 69,41 71,68 74,00 76,35 78,74 81,17 83,65 11 66,66 66,86 67,17 69,41 71,68 74,00 76,35 78,74 81,17 83,65 11 67,04 72,27 72,54 74,69 77,29 81,64,10 66,66 66,87 470,98 73,26 77,79 94 82,35 84,80 87,28 89,80 11 76,68 67,67 68,77 79,94 82,35 84,80 87,29 47,52 47,75 77,99 82,31 80,72 83,17 85,65 11 77,72 67,73 77,94 82,35 84,80 87,28 89,80 11 87,04 72,67 74,94 77,26 79,61 82,00 84,42 86,89 89,39 91,92 11 72,42 74,68 76,98 73,18 81,68 84,09 86,54 89,02 91,54 94,02 91,54 94,09 12 72,47 74,68 76,98 73,18 81,68 84,09 86,54 89,02 91,54 94,02 91,54 94,09 12 72,47 74,68 76,98 79,31 81,68 84,09 86,54 89,02 91,54 94,09 12 74,46 76,74 79,05 81,41 83,80 86,22 88,68 91,18 93,72 96,30 27 78,65 80,96 83,13 85,50 87,91 90,35 92,80 95,36 99,57 93,99 95,99 98,24 22,78 86,58 80,96 83,13 85,50 87,91 90,35 92,80 99,57 93,99 95,99 98,54 22,78 86,58 80,96 83,13 85,50 87,91 90,35 92,80 99,57 93,99 95,63 98,20 100,81 22 78,65 80,96 83,31 85,70 89,94 91,99 74,29 99,98 102,57 105,20 107,87 22 82,89 89,56 89,94 84,02 91,14 80,14 80,14 80,14 80,14 80,14 80,14 80,14 80,14 80,14 80,14 80,14 80,14 80,14 80,14 80,14 80,14 80,14 80,14 80,14 80,14 80,14 80,14 80,14 80,14 80,14 80,14 80,14 80,14 80,14 80,14 80,14 80,14 80,14 80,14 80,14 80,14 80,14 80,14 80,14 80,14 80,14 80,14 80,14 80,14 80,14 80,14 80,14 80,14 80,14 80,14 80,14 80,14 80,14 80,14 80,	0	40.76	42.67	44.61	46.59	48,61	50.67	52.76	54.89	57.05	59,26	1
43         46         45         41         47         39         49         41         51         46         53         58         50         87         50         55         50         55         59         39         61         61         63         77         80         48         80         50         83         51         56         69         58         76         60         96         63         20         65         48         77         80         85         22         66         49         31         51         83         53         93         55         48         57         61         58         64         22         66         64         28         66         49         66         65         66         66         66         67         77         77         77         77         77         77         77         77         77         77         77         77         77         77         77         77         77         77         77         77         77         77         77         77         77         77         77         77         77         77         77         77         77<					47.98	50.02	52.09	54.20	56.35	58.54		
4 46. 87 46. 83 48. 83 50. 87 52. 94 55. 05 57. 20 59. 39 61. 61 63. 87 4 46 56. 50 58. 76 60. 96 63. 20 65. 48 5 47. 80 49. 80 51. 83 53. 91 56. 02 58. 17 60. 35 62. 57 64. 83 67. 13 64. 93. 151. 83 58. 39 55. 48 57. 61 59. 78 61. 98 64. 22 66. 50 68. 81 7 50. 87 52. 91 54. 98 57. 99 59. 24 61. 42 63. 65 65. 91 68. 20 70. 54 8 52. 46 54. 52 56. 61 58. 74 60. 91 63. 11 65. 35 67. 63 69. 94 72. 30 9 54. 09 56. 17 58. 28 60. 42 62. 61 64. 83 67. 09 69. 39 71. 72 74. 09 10 55. 76 57. 85 59. 98 62. 15 64. 35 66. 59 68. 87 71. 18 73. 54 75. 92 11 57. 46 59. 57 61. 72 63. 91 66. 13 68. 39 70. 68 73. 02 75. 37 77. 80 11 57. 46 59. 57 61. 72 63. 91 66. 13 68. 39 70. 68 73. 02 75. 39 77. 80 11 57. 46 59. 57 61. 72 63. 91 66. 13 68. 39 70. 68 73. 02 75. 39 77. 80 11 57. 46 59. 57 61. 72 63. 91 77. 40 72. 02 72. 54 74. 89 77. 28 79. 70 11 62. 80 64. 96 67. 17 69. 41 71. 68 74. 00 74. 22 72. 54 74. 89 77. 28 79. 70 11 62. 80 64. 96 67. 17 69. 41 71. 68 74. 00 74. 22 72. 54 74. 81 17 83. 65 11 66. 66. 84 68. 74 70. 98 73. 26 75. 57 77. 92 80. 31 82. 74 85. 20 87. 70 11 76. 84. 66 70. 68 72. 94 75. 24 77. 57 79. 94 82. 35 84. 80 87. 28 81. 80 18 70. 42 72. 67 74. 94 77. 26 79. 61 82. 00 84. 42 86. 89 89. 39 91. 92 11 76. 54 67. 74 90. 87 87. 18 18. 68 84. 19 86. 54 89. 29 91. 54 94. 91 97. 42 74. 68 76. 98 79. 31 81. 68 84. 99. 86. 54 89. 02 91. 54 94. 91 97. 42 74. 68 76. 98 79. 31 81. 68 84. 99. 86. 54 89. 92. 91. 54 94. 91 97. 92. 91. 50 94. 91. 92. 91. 92. 91. 92. 91. 92. 91. 92. 91. 92. 91. 92. 91. 92. 91. 92. 91. 92. 91. 92. 91. 92. 91. 92. 91. 92. 91. 92. 91. 92. 91. 92. 91. 92. 91. 92. 91. 92. 91. 92. 91. 92. 91. 92. 91. 92. 91. 92. 91. 92. 91. 92. 91. 92. 91. 92. 91. 92. 91. 92. 91. 92. 91. 92. 91. 92. 91. 91. 91. 91. 91. 91. 91. 91. 91. 91			1 7 7 7 7 1 - 0 6 7			51.46	53.55	55.68	57.85	60.05		1
5 47.80 49.80 51.83 53.91 56.02 58.17 60.35 62.57 64.83 67.18 64.93 151.83 53.93 55.48 57.61 59.78 61.98 64.22 66.50 68.81 7 50.87 52.91 54.98 57.09 59.24 61.42 63.65 65.91 68.20 70.51 85.24 654.52 56.61 58.74 60.91 63.11 65.35 67.63 69.94 72.30 9 54.09 56.17 58.28 60.42 62.61 64.83 67.09 69.39 71.72 74.09 10 55.76 57.85 59.98 62.15 64.35 66.59 68.87 71.18 73.54 75.921 11 57.46 59.57 61.72 63.91 66.13 68.39 70.68 73.02 75.39 77.80 11 57.46 59.57 61.72 63.91 66.13 68.39 70.68 73.02 75.39 77.80 11 57.46 59.57 61.72 63.91 66.13 68.39 70.68 73.02 75.39 77.80 11 62.80 64.96 67.17 69.41 71.68 74.00 76.35 78.74 81.17 83.65 11 66.46 66.86 66.87 69.80 72.09 74.42 76.80 79.20 81.61 69.80 64.96 67.17 69.41 71.68 74.00 76.35 78.74 81.17 83.65 11 66.46 65.66 68.87 69.95 77.31 73.61 75.94 78.31 80.72 83.17 85.65 11 66.64 65 66.83 69.95 71.31 73.61 75.94 78.31 80.72 83.17 85.65 11 67.42 72.67 74.94 77.25 79.61 82.00 84.42 86.89 89.39 91.92 11 97.24 72.67 74.68 76.98 79.31 81.68 84.09 86.54 89.02 91.54 94.02 11 75.65 77.92 80.31 82.74 85.20 87.70 11 77.65 74.68 76.74 79.05 81.41 83.80 86.22 88.68 91.18 93.72 96.30 27 74.66 76.74 79.05 81.41 83.80 86.22 88.68 91.18 93.72 96.30 27 78.65 80.96 83.31 85.70 88.13 80.50 83.13 85.70 88.13 90.59 93.09 95.63 98.20 100.81 22 78.65 80.96 83.31 85.70 88.13 90.59 93.09 95.63 98.20 100.81 22 78.65 80.96 83.31 85.70 88.13 90.59 93.09 95.63 98.20 100.81 22 78.65 80.96 89.99 94.52 96.98 99.48 102.05 71.04.76 107.39 110.05 110.31 32 92.99 94.65 99.39 10.91 104.46 107.05 109.85 112.54 115.26 29 94.46 69.91 99.39 101.91 104.46 107.05 109.85 112.54 115.25 117.80 29 94.61 89.39 11.91 104.46 107.05 109.85 112.54 115.25 117.80 29 94.60 87.99 39 101.87 11.98 114.61 117.28 119.99 122.61 125.35 128.13 180.94 133.80 31 11.85 110.8 31 104.80 104.31 106.87 109.44 111.99 1122.61 125.80 128.31 13.04 13.80 13.80 13.80 13.80 13.80 13.80 13.80 13.80 13.80 13.80 13.80 13.80 13.80 13.80 13.80 13.80 13.80 13.80 13.80 13.80 13.80 13.80 13.80 13.80 13.80 13.80 13.80 13.80 13.80 13.80 13.80 13.80 13.80 13.80 13.80 13			46.83	48.83	50.87	52.94	55.05					1
6 49.31 51.33 53.39 55.48 57.61 59.78 61.98 64.22 66.50 68.81 750.87 52.91 54.98 57.99 59.24 61.42 63.65 65.91 68.20 70.54 8 52.46 54.52 56.61 58.74 60.91 63.11 65.35 67.63 69.94 72.54 8 52.46 54.52 56.61 58.74 60.91 63.11 65.35 67.63 67.63 69.94 72.54 8 55.76 57.85 59.98 62.15 64.35 66.59 68.87 71.18 73.54 75.92 11 57.46 59.57 61.72 63.91 66.13 68.39 70.68 73.02 75.39 77.80 11 57.46 59.57 61.72 63.91 66.13 68.39 70.68 73.02 75.39 77.80 11 60.98 63.13 65.31 67.54 69.80 72.29 72.54 74.89 77.28 77.90 13 60.98 63.13 65.31 67.54 69.80 72.09 74.42 76.80 79.20 81.64 14 62.80 64.96 67.17 69.41 71.68 74.00 76.35 78.74 81.17 83.65 16 64.65 66.83 69.05 71.11 73.61 75.94 78.31 80.72 83.17 83.65 11 66.64.65 66.83 69.05 71.11 73.61 75.94 78.31 80.72 83.17 83.65 11 66.64.65 70.68 72.94 75.24 77.57 79.94 82.35 84.80 87.28 89.80 11 76.64 67 70.68 72.94 75.24 77.57 79.94 82.35 84.80 87.28 89.80 11 76.74 67 76.74 79.05 81.41 83.80 86.22 88.69 91.81 92.72 74.46 76.74 79.05 81.41 83.80 86.22 88.69 91.81 93.72 96.30 22 78.65 80.96 83.31 85.70 88.13 90.59 93.09 95.63 98.20 100.81 22 78.65 80.96 83.31 85.70 87.91 90.35 92.89 95.53 97.91 100.50 103.13 24 82.82 88.83 87.72 90.15 92.61 95.11 97.65 100.22 102.83 105.48 92.09 94.52 96.89 99.88 10.95 11 97.42 99.98 102.57 105.20 107.87 22 89.20 94.52 96.89 99.48 102.09 104.59 107.20 109.85 112.54 115.26 29.94 4.69 69.91 99.89 101.91 104.46 107.05 109.68 112.20 114.69 117.35 119.90 114.67 117.35 119.90 119.81 14.61 117.24 119.91 122.61 122.55 122.55 112.54 115.05 117.80 19.94 110.80 104.31 106.83 109.39 111.98 114.61 117.24 119.91 122.61 125.35 128.13 130.94 133.80 130.43 110.80 104.30 106.83 109.41 11.98 114.61 117.24 119.91 122.61 125.35 125.50 122.31 130.94 133.80 134 106.87 109.41 111.98 114.59 117.72 119.91 122.61 125.35 125.50 122.31 130.94 133.80 130.94 133.80 134.81 106.83 109.39 111.98 114.61 117.24 119.91 122.61 125.35 125.41 128.20 131.04 133 100.83 101.83 101.83 101.83 101.83 101.83 101.83 101.83 101.83 101.83 101.83 101.83 101.83 101.83 101.83 101.83 101.83 101.83 101.83 101.83	4	46.31	48.30	50.31	52.37	54.46	56.59		10 C C C C C C C C C C C C C C C C C C C			
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8         52.46         54.52         56.61         58.74         60.91         63.11         65.35         67.63         69.39         71.27         74.09           9         54.09         56.17         58.28         60.42         62.61         64.83         67.09         69.39         71.18         73.04         74.09         99.89         62.15         64.35         66.59         68.87         71.18         73.02         774.09         91.18         75.92         81.68         81.36         65.31         65.50         67.94         70.22         72.54         74.89         77.28         77.80         17.70         72.09         74.48         79.20         81.68         81.06         80.49         66.71         69.41         71.68         74.00         76.35         78.74         81.17         83.65         65.11         75.57         77.92         80.31         82.74         85.20         87.70         18.11         83.63         80.71         83.17         83.17         83.61         75.57         77.92         80.31         82.74         85.20         87.70         18.14         83.09         80.31         88.70         89.71         89.81         89.81         89.39         99.91         99.21									65.91	68.20	70.54	
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11	9			58.28	60.42	62.61	64.83	67.09	69.39	71.72		
$\begin{array}{c} 11 \\ 12 \\ 59 \\ 20 \\ 61 \\ 33 \\ 63 \\ 50 \\ 65 \\ 70 \\ 65 \\ 70 \\ 65 \\ 70 \\ 60 \\ 70 \\ 70 \\ 70 \\ 70 \\ 70 \\ 70$	10	55.76	57.85	59.98	62.15	64.35	66.59	68.87	71.18	73.54	75.92	1
$\begin{array}{c} 12 \\ 59 \\ 20 \\ 61 \\ 31 \\ 36 \\ 60 \\ 98 \\ 61 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\ 36 \\ 31 \\$	11	12.5700	145 m. C. m.	61 79	63.91	66.13	68.39	70.68	73.02	75.39	77.80	1
18 60.98 63.13 65.81 67.54 69.80 72.09 74.42 76.80 79.20 81.64.1 14 62.80 64.96 67.17 69.41 71.68 74.00 76.35 78.74 81.17 83.631 15 64.65 66.83 69.05 71.31 73.61 75.94 78.31 80.72 83.17 85.651 16 66.54 68.74 70.98 73.26 75.57 77.92 80.31 82.74 85.20 87.701 76.84 66 70.68 72.94 75.24 77.57 79.94 82.35 84.80 87.28 89.801 18 70.42 72.67 74.94 77.26 79.61 82.00 84.42 86.89 89.39 91.92 74.46 76.74 79.05 81.41 83.80 86.22 88.68 91.18 93.72 96.30 21 76.54 78.83 81.17 83.54 85.94 88.39 90.87 93.39 95.94 94.60 76.46 76.74 79.05 81.41 83.80 86.22 88.68 91.18 93.72 96.30 21 76.54 78.83 81.17 83.54 85.94 88.39 90.87 93.39 95.94 98.54 22 78.65 80.96 83.31 85.70 88.13 90.59 93.09 95.63 98.20 100.81 22 88.89 88.38 85.50 87.01 90.35 92.80 95.63 98.20 100.81 22 82 80.88 83.38 85.50 87.01 90.35 92.80 95.63 98.20 100.81 22 82 80.88 83.38 87.72 90.15 92.61 95.11 97.65 100.22 102.83 105.48 22 88.89 89.99 92.28 94.91 97.42 99.98 102.57 105.20 107.87 26 87.46 89.85 92.28 94.74 99.78 102.35 104.96 107.61 110.80 104.30 106.83 104.37 106.94 109.55 112.20 114.89 117.61 120.37 31 99.81 101.80 104.30 106.83 104.37 106.94 109.55 112.20 114.89 117.61 120.37 31 99.81 101.80 104.30 106.83 104.37 106.94 109.55 112.20 114.89 117.61 120.37 31 109.46 112.09 114.67 117.35 120.07 122.83 125.63 31 109.46 112.09 114.67 117.28 119.91 122.61 125.35 130.94 133.09 4133.80 83 131.06 83 109.39 111.98 114.61 117.24 119.91 122.61 125.35 120.07 122.83 125.63 33 104.31 106.87 109.46 112.09 114.67 117.35 119.98 122.65 125.35 128.81 30.94 133.80 84 122.98 125.63 128.31 131.04 138.80 136.59 139.42 142.30 145.20 145.20 145.20 144.81 146.20 102.28 125.50 128.31 131.04 138.80 136.59 139.42 142.30 145.20 145.20 145.20 145.20 145.20 145.20 145.20 145.20 145.20 145.20 145.20 145.20 145.20 145.20 145.20 145.20 145.20 145.20 145.20 145.20 145.20 145.20 145.20 145.20 145.20 145.20 145.20 145.20 145.20 145.20 145.20 145.20 145.20 145.20 145.20 145.20 145.20 145.20 145.20 145.20 145.20 145.20 145.20 145.20 145.20 145.20 145.20 145.20 145.20 145.20 145.20 145.20 145.20 145.20			1.00		The second second	1000			74.89	77.28	79.70	1
$\begin{array}{c} 14 & 62.80 \\ 64.65 \\ 66.83 \\ 69.05 \\ 71.31 \\ 73.61 \\ 75.94 \\ 78.31 \\ 80.72 \\ 83.17 \\ 85.65 \\ 116 \\ 66.54 \\ 68.74 \\ 70.98 \\ 70.98 \\ 70.98 \\ 70.98 \\ 75.24 \\ 77.57 \\ 79.94 \\ 82.35 \\ 84.80 \\ 87.28 \\ 89.80 \\ 118 \\ 70.42 \\ 72.67 \\ 74.94 \\ 77.26 \\ 79.61 \\ 82.00 \\ 84.42 \\ 86.89 \\ 89.39 \\ 91.92 \\ 19 \\ 72.42 \\ 74.68 \\ 76.98 \\ 79.31 \\ 81.68 \\ 84.09 \\ 86.54 \\ 80.92 \\ 91.54 \\ 99.31 \\ 90.72 \\ 90.15 \\ 80.80 \\ 83.31 \\ 85.70 \\ 88.13 \\ 85.70 \\ 88.13 \\ 90.59 \\ 93.09 \\ 95.63 \\ 98.20 \\ 99.46 \\ 80.80 \\ 83.31 \\ 85.70 \\ 88.13 \\ 90.59 \\ 93.09 \\ 95.63 \\ 98.20 \\ 100.81 \\ 92.27 \\ 86.58 \\ 80.86 \\ 83.31 \\ 85.70 \\ 88.13 \\ 90.59 \\ 93.09 \\ 95.63 \\ 98.20 \\ 100.81 \\ 92.28 \\ 94.74 \\ 97.24 \\ 99.78 \\ 102.25 \\ 104.96 \\ 107.61 \\ 100.22 \\ 102.83 \\ 105.40 \\ 107.61 \\ 110.80 \\ 107.61 \\ 110.80 \\ 107.61 \\ 110.80 \\ 107.61 \\ 110.80 \\ 107.61 \\ 110.80 \\ 107.61 \\ 110.80 \\ 107.61 \\ 110.80 \\ 107.61 \\ 110.80 \\ 107.61 \\ 110.80 \\ 107.61 \\ 110.80 \\ 107.61 \\ 110.80 \\ 107.61 \\ 110.80 \\ 107.61 \\ 110.80 \\ 107.61 \\ 110.80 \\ 107.61 \\ 110.80 \\ 107.61 \\ 110.80 \\ 107.61 \\ 110.80 \\ 107.61 \\ 110.80 \\ 107.61 \\ 110.80 \\ 107.61 \\ 110.80 \\ 107.61 \\ 110.80 \\ 107.61 \\ 110.80 \\ 107.61 \\ 110.80 \\ 107.61 \\ 110.80 \\ 107.61 \\ 110.80 \\ 107.61 \\ 110.80 \\ 107.61 \\ 110.80 \\ 107.61 \\ 110.80 \\ 107.61 \\ 110.80 \\ 107.61 \\ 110.80 \\ 107.61 \\ 110.80 \\ 107.61 \\ 110.80 \\ 107.61 \\ 110.80 \\ 107.61 \\ 110.80 \\ 107.61 \\ 110.80 \\ 107.61 \\ 110.80 \\ 107.61 \\ 110.80 \\ 107.61 \\ 110.80 \\ 107.61 \\ 110.80 \\ 107.61 \\ 110.80 \\ 107.61 \\ 110.80 \\ 107.61 \\ 110.80 \\ 107.61 \\ 110.80 \\ 107.61 \\ 110.80 \\ 107.61 \\ 110.80 \\ 107.61 \\ 110.80 \\ 107.61 \\ 110.80 \\ 107.61 \\ 110.80 \\ 107.61 \\ 110.80 \\ 107.61 \\ 110.80 \\ 107.61 \\ 110.80 \\ 107.61 \\ 110.80 \\ 107.61 \\ 110.80 \\ 107.61 \\ 110.80 \\ 107.61 \\ 110.80 \\ 107.61 \\ 110.80 \\ 107.61 \\ 110.80 \\ 107.61 \\ 110.80 \\ 107.61 \\ 110.80 \\ 107.61 \\ 110.80 \\ 107.61 \\ 110.80 \\ 107.61 \\ 110.80 \\ 107.61 \\ 110.80 \\ 107.61 \\ 110.80 \\ 107.61 \\ 110.80 \\ 107.61 \\ 110.80 \\ 107.61 \\ 110.80 \\ 107.61 \\ 110.80 \\ 107.61 \\ 110.80 \\ 107.61 \\ 110.80 \\ 107.61 \\ 110.80 \\ 107.61 \\ 110.80 \\ 107.61 \\ 110.80 \\$				10000000			72.09	74.42	76.80	79.20	81.64	1
$\begin{array}{c} 15 \\ 64.65 \\ 66.83 \\ 69.05 \\ 71.31 \\ 73.61 \\ 75.94 \\ 77.92 \\ 80.31 \\ 82.35 \\ 84.80 \\ 87.28 \\ 85.20 \\ 87.70 \\ 17 \\ 68.46 \\ 70.68 \\ 72.94 \\ 75.24 \\ 77.57 \\ 79.94 \\ 82.35 \\ 84.80 \\ 87.28 \\ 87.28 \\ 89.20 \\ 87.70 \\ 19 \\ 72.42 \\ 74.68 \\ 76.98 \\ 79.31 \\ 81.68 \\ 84.09 \\ 86.54 \\ 89.02 \\ 91.54 \\ 93.99 \\ 91.54 \\ 93.99 \\ 91.54 \\ 94.99 \\ 91.54 \\ 93.99 \\ 91.85 \\ 92.80 \\ 81.41 \\ 83.80 \\ 86.22 \\ 88.68 \\ 91.18 \\ 93.72 \\ 96.80 \\ 91.54 \\ 94.99 \\ 91.54 \\ 94.99 \\ 91.54 \\ 94.99 \\ 91.54 \\ 94.99 \\ 91.55 \\ 96.87 \\ 99.15 \\ 92.17 \\ 94.61 \\ 97.09 \\ 90.15 \\ 92.61 \\ 95.61 \\ 95.21 \\ 95.21 \\ 95.21 \\ 95.21 \\ 95.22 \\ 95.22 \\ 95.23 \\ 87.72 \\ 90.15 \\ 92.17 \\ 94.61 \\ 97.09 \\ 99.61 \\ 102.17 \\ 104.76 \\ 107.61 \\ 100.22 \\ 102.83 \\ 105.80 \\ 101.80 \\ 104.80 \\ 104.81 \\ 104.80 \\ 104.81 \\ 104.80 \\ 104.81 \\ 104.80 \\ 104.81 \\ 104.80 \\ 104.81 \\ 104.80 \\ 104.81 \\ 104.80 \\ 104.81 \\ 104.80 \\ 104.80 \\ 104.80 \\ 104.80 \\ 104.80 \\ 104.80 \\ 104.80 \\ 104.80 \\ 104.80 \\ 104.80 \\ 104.80 \\ 104.80 \\ 104.80 \\ 104.80 \\ 104.80 \\ 104.80 \\ 104.80 \\ 104.80 \\ 104.80 \\ 104.80 \\ 104.80 \\ 104.80 \\ 104.80 \\ 104.80 \\ 104.80 \\ 104.80 \\ 104.80 \\ 104.80 \\ 104.80 \\ 104.80 \\ 104.80 \\ 104.80 \\ 104.80 \\ 104.80 \\ 104.80 \\ 104.80 \\ 104.80 \\ 104.80 \\ 104.80 \\ 104.80 \\ 104.80 \\ 104.80 \\ 104.80 \\ 104.80 \\ 104.80 \\ 104.80 \\ 104.80 \\ 104.80 \\ 104.80 \\ 104.80 \\ 104.80 \\ 104.80 \\ 104.80 \\ 104.80 \\ 104.80 \\ 104.80 \\ 104.80 \\ 104.80 \\ 104.80 \\ 104.80 \\ 104.80 \\ 104.80 \\ 104.80 \\ 104.80 \\ 104.80 \\ 104.80 \\ 104.80 \\ 104.80 \\ 104.80 \\ 104.80 \\ 104.80 \\ 104.80 \\ 104.80 \\ 104.80 \\ 104.80 \\ 104.80 \\ 104.80 \\ 104.80 \\ 104.80 \\ 104.80 \\ 104.80 \\ 104.80 \\ 104.80 \\ 104.80 \\ 104.80 \\ 104.80 \\ 104.80 \\ 104.80 \\ 104.80 \\ 104.80 \\ 104.80 \\ 104.80 \\ 104.80 \\ 104.80 \\ 104.80 \\ 104.80 \\ 104.80 \\ 104.80 \\ 104.80 \\ 104.80 \\ 104.80 \\ 104.80 \\ 104.80 \\ 104.80 \\ 104.80 \\ 104.80 \\ 104.80 \\ 104.80 \\ 104.80 \\ 104.80 \\ 104.80 \\ 104.80 \\ 104.80 \\ 104.80 \\ 104.80 \\ 104.80 \\ 104.80 \\ 104.80 \\ 104.80 \\ 104.80 \\ 104.80 \\ 104.80 \\ 104.80 \\ 104.80 \\ 104.80 \\ 104.80 \\ 104.80 \\ 104.80 \\ 104.80 \\ 104.80 \\ 104.80 \\ 104.80 \\ 104.80 $								76.35	78.74	81.17	83.63	1
$\begin{array}{c} 16 \\ 66.54 \\ 68.46 \\ 70.68 \\ 72.94 \\ 70.42 \\ 72.67 \\ 74.94 \\ 77.26 \\ 79.61 \\ 82.00 \\ 84.42 \\ 86.89 \\ 89.39 \\ 91.92 \\ 10 \\ 72.42 \\ 74.68 \\ 76.98 \\ 79.31 \\ 81.68 \\ 84.09 \\ 86.54 \\ 89.02 \\ 91.54 \\ 91.94 \\ 91.92 \\ 91.54 \\ 94.91 \\ 91.54 \\ 91.54 \\ 94.91 \\ 91.54 \\ 94.91 \\ 91.54 \\ 94.91 \\ 91.54 \\ 94.91 \\ 91.54 \\ 94.91 \\ 91.54 \\ 94.91 \\ 91.54 \\ 94.91 \\ 91.54 \\ 94.91 \\ 91.54 \\ 94.91 \\ 91.54 \\ 94.91 \\ 91.54 \\ 94.91 \\ 91.54 \\ 94.91 \\ 91.54 \\ 94.91 \\ 91.54 \\ 94.91 \\ 91.54 \\ 94.91 \\ 91.54 \\ 94.91 \\ 91.54 \\ 94.91 \\ 91.54 \\ 94.91 \\ 91.54 \\ 94.91 \\ 91.54 \\ 94.91 \\ 91.54 \\ 94.91 \\ 91.54 \\ 94.91 \\ 91.54 \\ 94.91 \\ 91.54 \\ 94.91 \\ 91.54 \\ 91.54 \\ 94.91 \\ 91.54 \\ 94.91 \\ 91.54 \\ 91.54 \\ 94.91 \\ 91.54 \\ 94.91 \\ 91.54 \\ 91.54 \\ 91.54 \\ 91.54 \\ 91.54 \\ 91.54 \\ 94.91 \\ 91.54 \\ 91.54 \\ 91.54 \\ 91.54 \\ 91.54 \\ 91.54 \\ 91.54 \\ 91.54 \\ 91.54 \\ 91.54 \\ 91.54 \\ 91.54 \\ 91.54 \\ 91.54 \\ 91.54 \\ 91.54 \\ 91.54 \\ 91.54 \\ 91.54 \\ 91.54 \\ 91.54 \\ 91.54 \\ 91.54 \\ 91.54 \\ 91.54 \\ 91.54 \\ 91.54 \\ 91.54 \\ 91.54 \\ 91.54 \\ 91.55 \\ 91.54 \\ 91.54 \\ 91.54 \\ 91.54 \\ 91.54 \\ 91.55 \\ 91.54 \\ 91.54 \\ 91.54 \\ 91.54 \\ 91.54 \\ 91.54 \\ 91.55 \\ 91.54 \\ 91.54 \\ 91.54 \\ 91.54 \\ 91.54 \\ 91.55 \\ 91.54 \\ 91.54 \\ 91.54 \\ 91.54 \\ 91.54 \\ 91.54 \\ 91.54 \\ 91.55 \\ 91.54 \\ 91.54 \\ 91.54 \\ 91.55 \\ 91.54 \\ 91.54 \\ 91.54 \\ 91.55 \\ 91.54 \\ 91.54 \\ 91.55 \\ 91.54 \\ 91.54 \\ 91.54 \\ 91.54 \\ 91.54 \\ 91.54 \\ 91.54 \\ 91.54 \\ 91.54 \\ 91.54 \\ 91.54 \\ 91.54 \\ 91.54 \\ 91.54 \\ 91.54 \\ 91.54 \\ 91.54 \\ 91.54 \\ 91.54 \\ 91.54 \\ 91.54 \\ 91.54 \\ 91.54 \\ 91.54 \\ 91.54 \\ 91.54 \\ 91.54 \\ 91.54 \\ 91.54 \\ 91.54 \\ 91.54 \\ 91.54 \\ 91.54 \\ 91.54 \\ 91.54 \\ 91.54 \\ 91.54 \\ 91.54 \\ 91.54 \\ 91.54 \\ 91.54 \\ 91.54 \\ 91.54 \\ 91.54 \\ 91.54 \\ 91.54 \\ 91.54 \\ 91.54 \\ 91.54 \\ 91.54 \\ 91.54 \\ 91.54 \\ 91.54 \\ 91.54 \\ 91.54 \\ 91.54 \\ 91.54 \\ 91.54 \\ 91.54 \\ 91.54 \\ 91.54 \\ 91.54 \\ 91.54 \\ 91.54 \\ 91.54 \\ 91.54 \\ 91.54 \\ 91.54 \\ 91.54 \\ 91.54 \\ 91.54 \\ 91.54 \\ 91.54 \\ 91.54 \\ 91.54 \\ 91.54 \\ 91.54 \\ 91.54 \\ 91.54 \\ 91.54 \\ 91.54 \\ 91.54 \\ 91.54 \\ 91.54 \\ 91.54 \\ 91.54 \\ 91.54 \\ 91.54 \\ 91.54 \\ 91.54 \\ 91.54 \\ 91.54$					ma 1 m 4	73.61	75.94	78.31	80.72	83,17	85.65	1
17 68.46 70.48 72.94 75.24 77.57 79.94 82.35 84.80 87.28 89.80 1870.42 72.67 74.94 77.26 79.61 82.00 84.42 86.89 89.39 91.92 19 72.42 74.68 76.98 79.31 81.68 84.09 86.54 89.02 91.54 94.09 19 72.42 74.66 76.74 79.05 81.41 83.80 86.22 88.68 91.18 93.72 96.30 21 76.54 78.83 81.17 83.54 85.94 88.39 90.87 93.39 95.94 98.54 22 78.65 80.96 83.31 85.70 88.13 90.59 93.09 95.63 98.20 100.81 23 80.80 83.13 85.50 87.91 90.35 92.83 95.35 97.91 100.50 103.13 24 82.98 85.33 87.72 90.15 92.61 95.11 97.65 100.22 102.83 105.48 25 85.20 87.57 89.98 92.42 94.91 97.42 99.98 102.57 105.20 107.87 26 87.46 89.85 92.28 94.74 97.24 99.78 102.35 104.96 107.61 110.30 27 89.76 92.17 94.61 97.09 99.61 102.17 104.76 107.39 110.05 112.76 28 92.09 94.52 96.98 99.48 102.02 104.59 107.20 109.85 112.54 115.26 29 94.46 96.91 99.39 101.91 104.46 107.05 109.68 112.35 115.05 117.80 30 96.87 99.33 101.83 104.37 106.94 109.55 112.20 114.89 117.61 120.37 31 99.31 101.80 104.31 106.87 109.46 112.09 114.76 117.46 120.20 122.83 30 104.31 106.83 109.39 111.98 114.59 117.24 119.91 122.61 127.62 127.72 125.50 128.31 33.09 46 112.09 114.67 117.24 119.91 122.61 125.35 120.07 122.83 125.63 31 114.76 117.35 119.98 122.65 125.35 128.89 133.69 133.72 136.59 38 117.46 120.07 122.72 125.54 128.31 130.94 133.80 36 112.09 114.67 117.35 119.98 122.65 125.35 128.91 130.94 133.80 39 120.20 122.88 125.50 128.20 130.94 133.72 136.59 133.64 130.94 133.80 31 136.43 136.43 136.43 136.43 136.43 136.43 136.43 136.43 136.43 136.43 136.43 136.43 136.43 136.43 136.43 136.43 136.43 136.43 136.43 136.43 136.43 136.43 136.43 136.43 136.43 136.43 136.43 136.43 136.43 136.43 136.43 136.43 136.43 136.43 136.43 136.43 136.43 136.43 136.43 136.43 136.43 136.43 136.43 136.43 136.43 136.43 136.43 136.43 136.43 136.43 136.43 136.43 136.43 136.43 136.43 136.43 136.43 136.43 136.43 136.43 136.43 136.43 136.43 136.43 136.43 136.43 136.43 136.43 136.43 136.43 136.43 136.43 136.43 136.43 136.43 136.43 136.43 136.43 136.43 136.43 136.43 136.43 136.43 136.43 136.43 136.43 136.43 136.43 136.43 136.43			1,56,00	100000000000000000000000000000000000000	2000	75 57	77 92	80 31	82.74	85.20	87.70	1
18         70. 42         72. 67         74. 94         77. 26         79. 61         82. 00         84. 42         86. 89         89. 39         91. 92         197. 74. 46         76. 74         79. 05         81. 41         83. 80         86. 22         88. 68         91. 18         93. 72         96. 30         2         21. 76. 54         78. 83         81. 17         83. 54         85. 94         88. 39         90. 87         93. 39         95. 94         98. 30         2         91. 54         94. 09         12         76. 54         78. 83         81. 17         83. 54         85. 94         88. 39         90. 87         93. 39         95. 63         98. 20         100. 81         22         78. 65         80. 96         83. 31         85. 50         87. 91         90. 35         92. 83         95. 35         97. 91         100. 50         103. 13         24         82. 98         87. 27         90. 15         92. 81         97. 42         99. 98         102. 25         100. 22         100. 22         100. 22         100. 22         100. 22         100. 22         100. 22         107. 89         110. 50         103. 11         100. 22         100. 22         100. 22         100. 22         100. 22         100. 22         100. 22         100					The second control of						89.80	1
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$\begin{array}{c} 36 \\ 112. \\ 09 \\ 114. \\ 67 \\ 117. \\ 28 \\ 114. \\ 67 \\ 117. \\ 28 \\ 119. \\ 92 \\ 122. \\ 61 \\ 125. \\ 63 \\ 128. \\ 61 \\ 125. \\ 63 \\ 128. \\ 61 \\ 125. \\ 63 \\ 128. \\ 61 \\ 125. \\ 63 \\ 128. \\ 61 \\ 125. \\ 63 \\ 128. \\ 61 \\ 122. \\ 125. \\ 63 \\ 128. \\ 61 \\ 122. \\ 62 \\ 122. \\ 63 \\ 128. \\ 61 \\ 125. \\ 63 \\ 128. \\ 61 \\ 125. \\ 63 \\ 128. \\ 61 \\ 125. \\ 63 \\ 128. \\ 61 \\ 125. \\ 63 \\ 128. \\ 61 \\ 125. \\ 63 \\ 128. \\ 61 \\ 128. \\ 61 \\ 128. \\ 63 \\ 128. \\ 61 \\ 128. \\ 61 \\ 128. \\ 63 \\ 128. \\ 61 \\ 128. \\ 63 \\ 128. \\ 61 \\ 128. \\ 63 \\ 128. \\ 61 \\ 128. \\ 61 \\ 128. \\ 63 \\ 128. \\ 61 \\ 128. \\ 61 \\ 125. \\ 63 \\ 128. \\ 61 \\ 128. \\ 61 \\ 128. \\ 61 \\ 128. \\ 61 \\ 128. \\ 61 \\ 128. \\ 61 \\ 128. \\ 61 \\ 128. \\ 61 \\ 128. \\ 61 \\ 128. \\ 61 \\ 128. \\ 61 \\ 128. \\ 61 \\ 128. \\ 61 \\ 128. \\ 61 \\ 128. \\ 61 \\ 128. \\ 61 \\ 128. \\ 61 \\ 128. \\ 61 \\ 128. \\ 61 \\ 128. \\ 61 \\ 128. \\ 61 \\ 128. \\ 61 \\ 128. \\ 61 \\ 128. \\ 61 \\ 128. \\ 61 \\ 128. \\ 61 \\ 61 \\ 62. \\ 61 \\ 62. \\ 61 \\ 62. \\ 61 \\ 62. \\ 61 \\ 62. \\ 61 \\ 62. \\ 61 \\ 62. \\ 61 \\ 62. \\ 61 \\ 62. \\ 61 \\ 62. \\ 61 \\ 62. \\ 61 \\ 62. \\ 61 \\ 62. \\ 61 \\ 62. \\ 61 \\ 62. \\ 61 \\ 62. \\ 61 \\ 62. \\ 61 \\ 62. \\ 61 \\ 62. \\ 61 \\ 62. \\ 61 \\ 62. \\ 61 \\ 62. \\ 61 \\ 62. \\ 61 \\ 62. \\ 61 \\ 62. \\ 61 \\ 62. \\ 61 \\ 62. \\ 61 \\ 62. \\ 61 \\ 62. \\ 61 \\ 62. \\ 61 \\ 62. \\ 61 \\ 62. \\ 61 \\ 62. \\ 61 \\ 62. \\ 62. \\ 61 \\ 62. \\ 62. \\ 62. \\ 62. \\ 62. \\ 62. \\ 62. \\ 62. \\ 62. \\ 62. \\ 62. \\ 62. \\ 62. \\ 62. \\ 62. \\ 62. \\ 62. \\ 62. \\ 62. \\ 62. \\ 62. \\ 62. \\ 62. \\ 62. \\ 62. \\ 62. \\ 62. \\ 62. \\ 62. \\ 62. \\ 62. \\ 62. \\ 62. \\ 62. \\ 62. \\ 62. \\ 62. \\ 62. \\ 62. \\ 62. \\ 62. \\ 62. \\ 62. \\ 62. \\ 62. \\ 62. \\ 62. \\ 62. \\ 62. \\ 62. \\ 62. \\ 62. \\ 62. \\ 62. \\ 62. \\ 62. \\ 62. \\ 62. \\ 62. \\ 62. \\ 62. \\ 62. \\ 62. \\ 62. \\ 62. \\ 62. \\ 62. \\ 62. \\ 62. \\ 62. \\ 62. \\ 62. \\ 62. \\ 62. \\ 62. \\ 62. \\ 62. \\ 62. \\ 62. \\ 62. \\ 62. \\ 62. \\ 62. \\ 62. \\ 62. \\ 62. \\ 62. \\ 62. \\ 62. \\ 62. \\ 62. \\ 62. \\ 62. \\ 62. \\ 62. \\ 62. \\ 62. \\ 62. \\ 62. \\ 62. \\ 62. \\ 62. \\ 62. \\ 62. \\ 62. \\ 62. \\ 62. \\ 62. \\ 62. \\ 62. \\ 62. \\ 62. \\ 62. \\ 62. \\ 62. \\ 62. \\ 62. \\ 62. \\ 62. \\ 62. \\ 62. \\ 62. \\ 62. \\ 62. \\ 62. \\ 62. \\ 62. \\ 62. $	04	106.87	109.41	111.98	117 94	110 01	199 61	195 25	128 13	130.94	133 80	3
$\begin{array}{c} 37114.\ 76\  \ 17,\ 35\  \ 199.\ 98\  \ 122.\ 65\  \ 125,\ 35\  \ 128.\ 99\  \ 130.\ 87\  \ 133.\ 68\  \ 136.\ 52\  \ 139.\ 39\  \ 142.\ 30\  \ 39\  \ 120.\ 20\  \ 122.\ 98\  \ 125.\ 50\  \ 128.\ 20\  \ 130.\ 94\  \ 133.\ 72\  \ 136.\ 54\  \ 139.\ 39\  \ 142.\ 28\  \ 145.\ 20\  \ 39\  \ 42\  \ 148.\ 15\  \ 41\  \ 125.\ 80\  \ 128.\ 46\  \ 131.\ 17\  \ 133.\ 91\  \ 136.\ 68\  \ 139.\ 42\  \ 142.\ 30\  \ 145.\ 20\  \ 148.\ 15\  \ 41\  \ 125.\ 80\  \ 128.\ 46\  \ 131.\ 17\  \ 133.\ 91\  \ 136.\ 68\  \ 139.\ 50\  \ 142.\ 35\  \ 145.\ 24\  \ 148.\ 17\  \ 151.\ 134\  \ 42\  \ 138.\ 46\  \ 131.\ 40\  \ 136.\ 81\  \ 139.\ 61\  \ 142.\ 44\  \ 145.\ 31\  \ 148.\ 22\  \ 151.\ 17\  \ 154.\ 154\  \ 154.\ 154\  \ 154.\ 20\  \ 157.\ 20\  \ 44\  \ 134.\ 46\  \ 137.\ 18\  \ 139.\ 94\  \ 142.\ 74\  \ 145.\ 57\  \ 148.\ 44\  \ 151.\ 35\  \ 154.\ 30\  \ 157.\ 28\  \ 160.\ 30\  \ 163.\ 42\  \ 44\  \ 44\  \ 145.\ 30\  \ 157.\ 28\  \ 160.\ 30\  \ 163.\ 42\  \ 46\  \ 140.\ 42\  \ 143.\ 48\  \ 145.\ 98\  \ 148.\ 81\  \ 151.\ 56\  \ 154.\ 59\  \ 157.\ 54\  \ 160.\ 52\  \ 163.\ 54\  \ 166.\ 59\  \ 47\  \ 143.\ 46\  \ 149.\ 33\  \ 152.\ 17\  \ 155.\ 04\  \ 157.\ 74\  \ 160.\ 89\  \ 163.\ 87\  \ 166.\ 89\  \ 169.\ 94\  \ 173.\ 04\  \ 149.\ 49\  \ 155.\ 31\  \ 158.\ 20\  \ 161.\ 13\  \ 164.\ 09\  \ 167.\ 09\  \ 170.\ 13\  \ 173.\ 20\  \ 176.\ 31\  \ 155.\ 68\  \ 155.\ 68\  \ 155.\ 68\  \ 158.\ 50\  \ 161.\ 41\  \ 164.\ 85\  \ 167.\ 33\  \ 170.\ 35\  \ 173.\ 41\  \ 176.\ 50\  \ 179.\ 68\  \ 56\  \ 179.\ 68\  \ 179.\ 68\  \ 155.\ 68\  \ 158.\ 50\  \ 161.\ 41\  \ 164.\ 85\  \ 167.\ 33\  \ 170.\ 35\  \ 173.\ 41\  \ 176.\ 50\  \ 179.\ 68\  \ 156.\ 89\  \ 159.\ 81.\ 156.\ 89\  \ 169.\ 94\  \ 179.\ 94\  \ 179.\ 94\  \ 179.\ 94\  \ 179.\ 94\  \ 179.\ 94\  \ 179.\ 94\  \ 179.\ 94\  \ 179.\ 94\  \ 179.\ 94\  \ 179.\ 94\  \ 179.\ 94\  \ 179.\ 94\  \ 179.\ 94\  \ 179.\ 94\  \ 179.\ 94\  \ 179.\ 94\  \ 179.\ 94\  \ 179.\ 94\  \ 179.\ 94\  \ 179.\ 94\  \ 179.\ 94\  \ 179.\ 94\  \ 179.\ 94\  \ 179.\ 94\  \ 179.\ 94\  \ 179.\ 94\  \ 179.\ 94\  \ 179$	00	109.46	112.02	114.61	117.24	113, 31	122.01	120.00	100.10	100.01	100.00	0
$\begin{array}{c} 38\ 117.\ 46\ 120.\ 07\ 122.\ 72\ 125.\ 41\ 128.\ 18\ 130.\ 89\ 133.\ 68\ 136.\ 52\ 139.\ 39\ 142.\ 28\ 145.\ 20\ 39\ 120.\ 20\ 122.\ 88\ 125.\ 68\ 128.\ 31\ 131.\ 04\ 138.\ 80\ 136.\ 59\ 139.\ 42\ 142.\ 30\ 145.\ 20\ 148.\ 154\ 41\ 125.\ 80\ 128.\ 46\ 131.\ 17\ 138.\ 91\ 136.\ 68\ 139.\ 50\ 142.\ 35\ 145.\ 24\ 148.\ 17\ 151.\ 134\ 42\ 128.\ 65\ 131.\ 33\ 134.\ 05\ 136.\ 81\ 139.\ 61\ 142.\ 44\ 145.\ 31\ 148.\ 22\ 151.\ 17\ 154.\ 154\ 43\ 131.\ 54\ 134.\ 24\ 136.\ 98\ 139.\ 76\ 142.\ 57\ 145.\ 42\ 148.\ 31\ 151.\ 24\ 154.\ 20\ 157.\ 20\ 44\ 134.\ 46\ 137.\ 18\ 139.\ 94\ 142.\ 74\ 145.\ 57\ 148.\ 44\ 151.\ 35\ 154.\ 30\ 157.\ 28\ 160.\ 30\ 45\ 137.\ 42\ 140.\ 17\ 142.\ 94\ 145.\ 57\ 148.\ 44\ 151.\ 50\ 154.\ 30\ 157.\ 28\ 160.\ 30\ 45\ 137.\ 42\ 140.\ 42\ 143.\ 18\ 145.\ 98\ 148.\ 81\ 151.\ 68\ 154.\ 59\ 157.\ 54\ 160.\ 52\ 163.\ 54\ 166.\ 59\ 48\ 146.\ 49\ 149.\ 33\ 152.\ 17\ 155.\ 04\ 157.\ 94\ 160.\ 89\ 163.\ 87\ 166.\ 89\ 169.\ 94\ 173.\ 04\ 49\ 149.\ 65\ 152.\ 46\ 155.\ 31\ 158.\ 20\ 161.\ 41\ 164.\ 69\ 167.\ 09\ 170.\ 13\ 173.\ 20\ 176.\ 31\ 49\ 149.\ 65\ 155.\ 68\ 158.\ 50\ 161.\ 41\ 164.\ 85\ 167.\ 33\ 170.\ 35\ 173.\ 41\ 176.\ 50\ 179.\ 63\ 50\ 152.\ 80\ 155.\ 63\ 158.\ 50\ 161.\ 41\ 164.\ 85\ 167.\ 33\ 170.\ 35\ 173.\ 41\ 176.\ 50\ 179.\ 63\ 50\ 152.\ 80\ 155.\ 63\ 158.\ 50\ 161.\ 41\ 164.\ 85\ 167.\ 33\ 170.\ 35\ 173.\ 41\ 176.\ 50\ 179.\ 63\ 50\ 152.\ 80\ 155.\ 63\ 158.\ 50\ 161.\ 41\ 164.\ 85\ 167.\ 33\ 170.\ 35\ 173.\ 41\ 176.\ 50\ 179.\ 63\ 50\ 152.\ 40\ 155.\ 156.\ 156.\ 156.\ 156.\ 156.\ 156.\ 156.\ 156.\ 156.\ 156.\ 156.\ 156.\ 156.\ 156.\ 156.\ 156.\ 156.\ 156.\ 156.\ 156.\ 156.\ 156.\ 156.\ 156.\ 156.\ 156.\ 156.\ 156.\ 156.\ 156.\ 156.\ 156.\ 156.\ 156.\ 156.\ 156.\ 156.\ 156.\ 156.\ 156.\ 156.\ 156.\ 156.\ 156.\ 156.\ 156.\ 156.\ 156.\ 156.\ 156.\ 156.\ 156.\ 156.\ 156.\ 156.\ 156.\ 156.\ 156.\ 156.\ 156.\ 156.\ 156.\ 156.\ 156.\ 156.\ 156.\ 156.\ 156.\ 156.\ 156.\ 156.\ 156.\ 156.\ 156.\ 156.\ 156.\ 156.\ 156.\ 156.\ 156.\ 156.\ 156.\ 156.\ 156.\ 156.\ 156.\ 156.\ 156.\ 156.\ 156.\ $	36	112.09	114.67	117.28	119.92	122,61	125.33	128.09	130.89	100.72	100.09	3
39 120 . 20 122 . 83 125 . 50 128 . 20 130 . 94 133 . 72 136 . 54 139 . 39 142 . 28 145 . 20 148 . 15 4 122 . 98 125 . 63 128 . 31 131 . 04 133 . 80 136 . 59 139 . 42 142 . 30 145 . 20 148 . 15 4 1125 . 80 128 . 46 131 . 17 133 . 91 136 . 68 139 . 50 142 . 35 145 . 24 148 . 17 151 . 13 4 42 128 . 65 131 . 33 134 . 05 136 . 81 139 . 61 142 . 44 145 . 31 148 . 22 151 . 17 154 . 15 4 43 131 . 54 134 . 24 136 . 98 139 . 76 142 . 57 145 . 42 148 . 31 151 . 24 154 . 20 157 . 20 4 134 . 46 137 . 18 139 . 94 142 . 74 145 . 57 148 . 44 151 . 35 154 . 30 157 . 28 160 . 30 4 15 137 . 42 140 . 17 142 . 94 145 . 76 148 . 61 151 . 50 154 . 42 157 . 39 160 . 39 163 . 42 146 . 40 . 42 143 . 18 145 . 98 148 . 81 151 . 68 154 . 59 157 . 54 160 . 52 163 . 54 166 . 59 147 143 . 46 146 . 24 149 . 05 151 . 91 154 . 80 157 . 72 160 . 68 163 . 68 166 . 72 169 . 80 148 . 146 . 54 149 . 33 152 . 17 155 . 04 157 . 94 160 . 89 163 . 87 166 . 89 169 . 94 173 . 04 149 . 65 152 . 46 155 . 31 158 . 20 161 . 13 164 . 09 167 . 09 170 . 13 173 . 20 176 . 31 150 152 . 80 155 . 69 158 . 50 161 . 41 164 . 35 167 . 33 170 . 35 173 . 41 176 . 50 179 . 63 5	37	114.76	117.35	119.98	122.65	125.35	128.09	130.87	100.68	130.34	149 90	3
40 122. 98 125. 63 128. 31 131. 04 133. 80 136. 59 139. 42 142. 30 145. 20 148. L54 41 125. 80 128. 46 131. 17 133. 91 136. 68 139. 50 142. 35 145. 24 148. 17 151. 13 4 42 128. 65 131. 33 134. 05 136. 81 139. 61 142. 44 145. 31 148. 22 151. 17 154. 154 43 131. 54 134. 24 136. 98 139. 76 142. 57 145. 42 148. 31 151. 24 164. 20 157. 20 4 44 134. 46 137. 18 139. 94 142. 74 145. 57 148. 44 151. 35 154. 30 157. 28 160. 30 4 45 137. 42 140. 17 142. 94 145. 76 148. 61 151. 50 154. 42 157. 39 160. 39 163. 42 4 46 140. 42 143. 18 145. 98 148. 81 151. 68 154. 59 157. 54 160. 52 163. 54 166. 59 4 47 143. 46 146. 24 149. 05 151. 91 154. 80 157. 72 160. 68 163. 68 166. 72 169. 80 4 48 146. 54 149. 33 152. 17 155. 04 157. 94 160. 89 163. 87 166. 89 169. 94 173. 04 49 149. 65 152. 46 155. 31 158. 20 161. 13 164. 09 167. 09 170. 13 173. 20 176. 31 45 152. 80 155. 63 158. 50 161. 41 164. 35 167. 33 170. 35 173. 41 176. 50 179. 63 5	38	117.46	120.07	122.72	125.41	128.13	130.89	133.68	120.20	149 99	145, 90	9
$\begin{array}{c} 41 \\ 125.80 \\ 128.46 \\ 131.17 \\ 138.91 \\ 136.68 \\ 139.61 \\ 142.44 \\ 145.31 \\ 148.22 \\ 151.17 \\ 154.15 \\ 48 \\ 131.54 \\ 134.24 \\ 134.36 \\ 137.18 \\ 139.94 \\ 142.74 \\ 145.57 \\ 148.44 \\ 151.35 \\ 152.41 \\ 150.59 \\ 148.41 \\ 151.35 \\ 152.41 \\ 150.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.39 \\ 160.$	39	120.20	122.83	125.50	128.20	130.94	133.72	100,04	149 20	145.20	148 15	1
$\begin{array}{c} 42 \mid 128, 65 \mid 131, 33 \mid 134, 05 \mid 136, 81 \mid 139, 61 \mid 142, 44 \mid 145, 31 \mid 148, 22 \mid 101, 17 \mid 154, 104 \mid 134, 134 \mid 134, 24 \mid 136, 98 \mid 139, 76 \mid 142, 57 \mid 145, 42 \mid 148, 31 \mid 151, 24 \mid 154, 20 \mid 157, 20 \mid 144, 134, 46 \mid 137, 18 \mid 139, 94 \mid 142, 74 \mid 145, 57 \mid 148, 44 \mid 151, 35 \mid 154, 30 \mid 157, 28 \mid 160, 30 \mid 45 \mid 137, 42 \mid 140, 17 \mid 142, 94 \mid 145, 76 \mid 148, 61 \mid 151, 50 \mid 154, 42 \mid 157, 39 \mid 160, 39 \mid 163, 42 \mid 146, 42 \mid 143, 18 \mid 145, 98 \mid 148, 81 \mid 151, 68 \mid 154, 59 \mid 157, 54 \mid 160, 52 \mid 163, 54 \mid 166, 59 \mid 174, 134, 46 \mid 146, 24 \mid 149, 05 \mid 151, 91 \mid 154, 80 \mid 157, 72 \mid 160, 68 \mid 163, 68 \mid 166, 72 \mid 169, 80 \mid 148, 146, 54 \mid 149, 33 \mid 152, 17 \mid 155, 04 \mid 157, 94 \mid 160, 89 \mid 163, 87 \mid 166, 89 \mid 169, 94 \mid 173, 04 \mid 149, 45 \mid 152, 46 \mid 155, 31 \mid 158, 20 \mid 161, 13 \mid 164, 09 \mid 167, 09 \mid 170, 13 \mid 173, 20 \mid 176, 31 \mid 150, 152, 80 \mid 155, 63 \mid 158, 50 \mid 161, 41 \mid 164, 35 \mid 167, 33 \mid 170, 35 \mid 173, 41 \mid 176, 50 \mid 179, 63 \mid 169, 163, 179, 179, 179, 179, 179, 179, 179, 179$	40	122.98	125.63	128.31	131.04	133.80	100.00	100.42	142.00	140.20	140.10	*
$\begin{array}{c} 42 \mid 128, 65 \mid 131, 33 \mid 134, 05 \mid 136, 81 \mid 139, 61 \mid 142, 44 \mid 145, 31 \mid 148, 22 \mid 101, 17 \mid 154, 104 \mid 134, 134 \mid 134, 24 \mid 136, 98 \mid 139, 76 \mid 142, 57 \mid 145, 42 \mid 148, 31 \mid 151, 24 \mid 154, 20 \mid 157, 20 \mid 144, 134, 46 \mid 137, 18 \mid 139, 94 \mid 142, 74 \mid 145, 57 \mid 148, 44 \mid 151, 35 \mid 154, 30 \mid 157, 28 \mid 160, 30 \mid 45 \mid 137, 42 \mid 140, 17 \mid 142, 94 \mid 145, 76 \mid 148, 61 \mid 151, 50 \mid 154, 42 \mid 157, 39 \mid 160, 39 \mid 163, 42 \mid 146, 42 \mid 143, 18 \mid 145, 98 \mid 148, 81 \mid 151, 68 \mid 154, 59 \mid 157, 54 \mid 160, 52 \mid 163, 54 \mid 166, 59 \mid 174, 134, 46 \mid 146, 24 \mid 149, 05 \mid 151, 91 \mid 154, 80 \mid 157, 72 \mid 160, 68 \mid 163, 68 \mid 166, 72 \mid 169, 80 \mid 148, 146, 54 \mid 149, 33 \mid 152, 17 \mid 155, 04 \mid 157, 94 \mid 160, 89 \mid 163, 87 \mid 166, 89 \mid 169, 94 \mid 173, 04 \mid 149, 45 \mid 152, 46 \mid 155, 31 \mid 158, 20 \mid 161, 13 \mid 164, 09 \mid 167, 09 \mid 170, 13 \mid 173, 20 \mid 176, 31 \mid 150, 152, 80 \mid 155, 63 \mid 158, 50 \mid 161, 41 \mid 164, 35 \mid 167, 33 \mid 170, 35 \mid 173, 41 \mid 176, 50 \mid 179, 63 \mid 169, 163, 179, 179, 179, 179, 179, 179, 179, 179$	41	125.80	128.46	131,17	133,91	136, 68	139.50	142.35	145.24	148, 17	151.13	4
44 134. 46 137. 18 139. 94 142. 74 145. 57 148. 44 151. 35 154. 30 157. 28 160. 30 4 45 137. 42 140. 17 142. 94 145. 76 148. 61 151. 50 154. 42 157. 39 160. 39 163. 42 4 46 140. 42 143. 18 145. 98 148. 81 151. 68 154. 59 157. 54 160. 52 163. 54 166. 59 4 149. 35 152. 47 143. 46 146. 24 149. 05 151. 91 154. 80 157. 72 160. 68 163. 68 166. 72 169. 80 4 48 146. 54 149. 33 152. 17 155. 04 157. 94 160. 89 163. 87 166. 89 169. 94 173. 04 49 149. 65 152. 46 155. 31 158. 20 161. 13 164. 09 167. 09 170. 13 173. 20 176. 31 45 165. 80 155. 68 158. 50 161. 41 164. 35 167. 33 170. 35 173. 41 176. 50 179. 63 5	42	128 65	121 22	134 05	136.81	139.61	142.44	145.31	148.22	151.17	104.10	4
45 187. 42 140. 17 142. 94 145. 76 148. 61 151. 50 154. 42 167. 39 160. 39 163. 42 46 140. 42 143. 18 145. 98 148. 81 151. 68 154. 59 157. 54 160. 52 163. 54 166. 59 47 143. 46 146. 24 149. 05 151. 91 154. 80 157. 72 160. 68 163. 68 166. 72 169. 80 48 146. 54 149. 33 152. 17 155. 04 157. 94 160. 89 163. 87 166. 89 169. 94 173. 04 49 149. 65 152. 46 155. 31 158. 20 161. 18 164. 09 167. 09 170. 13 173. 20 176. 31 45 162. 80 155. 63 158. 50 161. 41 164. 35 167. 33 170. 35 173. 41 176. 50 179. 63 5	43	131.54	134.24	136.98	139.76	142.57	140.42	148.31	151.24	157 90	160 20	4
46 140, 42 143, 18 145, 98 148, 81 151, 68 154, 59 157, 54 160, 52 163, 54 166, 59 147 143, 46 146, 24 149, 05 151, 91 154, 80 157, 72 160, 68 163, 68 166, 72 169, 80 4 48 146, 54 149, 33 152, 17 155, 04 157, 94 160, 89 163, 87 166, 89 169, 94 173, 04 49 149, 65 152, 46 155, 31 158, 20 161, 13 164, 09 167, 09 170, 13 173, 20 176, 31 4 50 152, 80 155, 63 158, 50 161, 41 164, 85 167, 33 170, 35 173, 41 176, 50 179, 68 5	44	134.46	137.18	139.94	142.74	145.57	148.44	151.35	157 90	160 20	169 49	4
47 [143, 46] [146, 24] [149, 05] [151, 91] [154, 80] [157, 72] [160, 68] [163, 68] [160, 72] [169, 80] [148, 146, 54] [149, 33] [152, 17] [155, 04] [157, 94] [160, 89] [163, 87] [166, 89] [169, 94] [173, 04] [164, 149, 149, 165] [152, 46] [155, 31] [158, 20] [161, 13] [164, 09] [167, 09] [170, 13] [173, 20] [176, 31] [164, 35] [167, 33] [170, 35] [173, 41] [176, 50] [179, 68] [161, 41] [164, 35] [167, 33] [170, 35] [173, 41] [176, 50] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 6	45	137.42	140.17	142.94	145.76	148.61	101.00	104.42	107.39	100.39	100.42	4
47 [143, 46] [146, 24] [149, 05] [151, 91] [154, 80] [157, 72] [160, 68] [163, 68] [160, 72] [169, 80] [148, 146, 54] [149, 33] [152, 17] [155, 04] [157, 94] [160, 89] [163, 87] [166, 89] [169, 94] [173, 04] [164, 149, 149, 165] [152, 46] [155, 31] [158, 20] [161, 13] [164, 09] [167, 09] [170, 13] [173, 20] [176, 31] [164, 35] [167, 33] [170, 35] [173, 41] [176, 50] [179, 68] [161, 41] [164, 35] [167, 33] [170, 35] [173, 41] [176, 50] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 68] [179, 6	46	140.42	143.18	145.98	148.81	151.68	154.59	157.54	160.52	163.54	166.59	4
48 146. 54 149. 33 152. 17 155. 04 157. 94 160. 89 163. 87 166. 89 169. 94 173. 04 149 149. 65 152. 46 155. 31 158. 20 167. 13 164. 09 167. 09 170. 13 173. 20 176. 31 150. 152. 80 155. 63 158. 50 161. 41 164. 35 167. 33 170. 35 173. 41 176. 50 179. 63 5	47	143 46	146 94	149 05	151.91	154.80	157.72	160.68	165.68	166.72	169.80	4
49 149. 65 152. 46 155. 31 158. 20 161. 13 164. 09 167. 09 170. 13 173. 20 176. 31 3 50 152. 80 155. 63 158. 50 161. 41 164. 35 167. 33 170. 35 173. 41 176. 50 179. 63 5	48	146 54	149 33	152 17	155.04	157.94	160.89	163.87	166.89	169.94	173.04	4
50 152.80 155.69 158.50 161.41 164.35 167.33 170.35 173.41 176.50 179.63 1	49	149.65	159 46	155.31	158, 20	161.13	164.09	167.09	170.13	173.20	170.31	4
22 22 25 20 40	50	152.80	155.68	158.50	161.41	164.35	167.33	170.35	173.41	176.50	179,63	a
	-				120.1		-				1.00	-

## TABLE XXXIV.—BASE 40.—SLOPES 11/2 to 1.

Feet	41	42	43	44	45	46	47	48	49	50	Post.
1)	61.50	63.78	66.09	68.44	70.83	73.26	75.72	78.22	80.76	83.33	0
1	63.02	65.31	67.65	70.02	72.42	74.87	77.35	79.87	82.42	85.02	1
2	64.57	66.89	69.24	71.63	74.05	76.52	79.02	81.55	84,13	86.74	2
3.		68.50	70.87	73.28	75.72	78.20	80.72	83.28	85.87	88.50	2
4	67.80	70,15	72.54	74.96		79.92	82.46	85.04	87.65		4
5	69.46	71.83	74.24	76.68	79.17	81.68	84.24	86.83	89.46	92.13	1
6	71.17	73.55	75.98	78.44	80.94	83.48	86.05	88.67	91.31	94.00	1
7	72.91	75.31	77.76		82.76	85.31	87.91	90.54	93.20		7
8	74.68	77.11	79.57	82.07	84.61	87.18	89.80		95.13		
9	76.50	78.94	81,42	83.94	86.50	89.09		94.39			1 5
10	78.35	80.81	83.31	85.85	88.42	91.04		96.37		101.85	10.0
11	80.24	82.72	85, 24	87.80	90.39	93.02			101.13		L.
12	82.17	84.67	87.20					100.44			
13	84.13	86.65	89.20	91.80			99.80				
14	86.03	88.67	91.24	93.85			101.91				
15	88.17	90.72	93.31	95.94			104.05				
5.0		(C. 25,	1924.00					The Wall of the	Section of the second		
16	90.24	92.81	95.42				106.24				
17	92.35						108.46				
18	94.50	to the first to					110.72				
19	96.68		101.98								
20	98,91	101.55	104.24	106.96	109.72	112.52	115.35	118.22	121.13	124.07	20
21	101.17	103.83	106,54	109.28	112.05	114.87	117.72	120.61	123.54	126.50	21
			108.87								
			111.24								
			113.65								
			116.09								
		201 201	118.57		CONTRACTOR						17
			121.09								
			123,65								
			126.24								
			128.87								
- 144	4 /49/2011		3533343	100000000000000000000000000000000000000	F 1		L. S. A. A. CONTROL	Acres of the	A TO THE REAL PROPERTY.		
			131,54								
			134.24								
			136.98								
			139.76								
30	136,68	139,61	142.57	145.57	148.61	151.68	154.80	157.94	161.13	164.35	30
36	139.50	142.44	145,42	148.44	151.50	154.59	157.72	160.89	164.09	167.33	36
37	142.35	145.31	148, 31	151.35	154.42	157.54	160.68	163.87	167.09	170.35	87
38	145.24	148.22	151.24	154.30	157.39	160.52	163.68	166.89	170.13	173.41	38
			154.20								
40	151.13	154.15	157.20	160.30	163.42	166.59	169.80	173.04	176.31	179.63	40
41	154.13	157.17	160.24	163.35	166.50	169.68	172.91	176 17	179.46	189 80	41
			163.31								
			166,42								
			169.57								
			172.76								
	100000		175.98						1		
			179.24								
			182.54								
			185,87 189,24								
_	.02.00	.00.00	.00, 24	.02.02	100.00	100.10	202.07	200.00	200,40	212.30	-
	41	42	43	44	45	46	47	48	49	50	

TABLE XXXV BASE 40.—SLOPES 2 to 1.

Feet.	1	2	3	4	5	6	7	8	9	10	Feet.
0	0.76	1.58	2.44	3.36	4.32	5.33	6.40	7.51	8.67	9.88	6
1	1.55	2.39	3.28	4.22	5.21	6.25	7.33	8.47	9.65	10.89	
2	2.39	3.26	4.17	5.13	6.15	7.21	8,32	9.48	10.69	11.95	ė
3	3.28	4.17	5.11	6.10	7.13		9.36	10.54	11.78		Ų
4	4,22	5.13	6.10	7.11	8.17	9.28	10,44	11.65	12.91	14.22	
5	5.21	6.15	7.13	8.17	9.26		11.58	12.81	14.10		Ŋ.
6	6.25	7.21	8.22	9.28	10.39	and the second	12.76		10,000,000	Promising to	
7			9.36	10.44				14.02	15.33	16.69	
	7.33	8.32			11.58	. 190.17 19.0	14.00	15.28	16.62	18.00	
8	8.47	9.48	10.54	11.65	12.81	14.02	15.28		17.95	19.36	1
9	9.65	10.69	11.78	12.91	14.10		16.62	17.95	19.33	20.76	
10	10.89	11.95	13.06	14.22	15.43	16.69	18,00	19.36	20.76	22,22	1
11	12.17	13.26	14.39	15.58	16.81	18.10	19,43	20.81	22.25	23.73	1
12	13.51	14.62	15.78	16.99	18.25	19.55	20.91	22.32	23.78		
13	14.89	16.02	17.21	18.44	19.73		22.44	23.88	25.36		
14	16.32	17.48	18.69	19.95	21.26	22.62	24.02	25.48	26.99		
15	17.80	18.99	20.22	21.51	22.84		25.65	27.13	28.67	30.25	
16	19.33	20.54	21.80	23.11	24.47		March 2011	100	35-34-00-	1 2 2 2 2 3	
							27.33	28.84	30.39		
17	20.91	22.15	23.43	24.76	26.15	27.58	29.06	30.59	32.17	33.80	
18	22.54	23.80	25.11	26.47	27.88		30.84	32.39	84.00		
19	24.22	25.51	26.84	28.22	29.65		32.67	34.25	35,88		1
20	25.95	27.26	28.62	30.02	31.48	32.99	34.54	36.15	37.80	39.51	2
21	27.73	29.06	30.44	31.88	33.36	34.89	36.47	38.10	39.78	41.51	2
22	29.55	30.91	32.32	33.78	35.28	36.84	38.44	40.10	41.80		
23	31.43	32.81	34.25	35.78	37.26		40.47	42.15	43.88	45.65	
24	33.36	34.76	36.22	37.73	39.28		42.54	44.25	46.00		
25	35.33	36.76	38.25	39.78	41.36		44.67	46.39	48.17	50.00	
0.01		10000000		1000		Control of the	11.00	The second second	1 November 19	mark 4 1 4	
26	37.36	38.81	40.32	41.88	43,48		46.84	48.59	50.39	52.25	
27	39.43	40.91	42.44	44.02	45.65		49.06	50.84	52.67	54.54	
28	41.55	43.06	44.62	46.22	47.88		51,88	53.13	54.99	56.89	
29	43.73	45.26	46.84	48.47	50.15		53.65	55,48	57.36		
30	45,95	47.51	49.11	50.76	52.47	54.22	56.02	57,88	59.78	61.73	3
31	48.22	49.80	51.43	53.11	54.84	56.62	58,44	60.32	62.25	64.22	3
32	50.54	52.15	53.80	55.51	57.26	59.06	60.91	62.81	64.76	66.76	
33	52.91	54.54	56.22	57.95	59.73		63.43	65.36	67.33	69.36	
34	55.83	56.99	58.69	60.44	62.25		66.00	67.95	69.95	72.00	
35	57.80	59.48	61.21	62.99	64.81	66.69	68.62	70.59	72.62	74.69	
36	60.32	62.02	63.78	65.58	67.43	177 10 50		I to write o		112-7-7-1	Ю
							71.28	73.28	75.33	77.43	
37	62.89	64.62	66.39	68.22	70.10		74.00	76.02	78.10	80,22	
38	65.51	67.26	69.06	70.91	72.81	74.76	76.76	78.81	80.91	83.06	
39	68.17	69.95	71.78	73.65	75.58	1.206602	79.58	81.65	83.78		
40	70.89	72.69	74.54	76.44	78.39	80.39	82.44	84.54	86,69	88.89	4
41	73.65	75.48	77.36	79.28	81,26	83.28	85,36	87.48	89.65	91.88	4
42	76.47	78.32	80.22	82.17	84.17	86.22	88.32	90.47	92.67	94.91	
43	79.33	81.21	83.13	85.11	87.13		91.33				
44	82.25	84.15	86.10	88.10	90.15	92.25	94.40	96.59		101.13	
15	85.21	87.13	89.11	91.13	93.21	95.33	97.51			104.32	
16	88.22	170.00	100,700		10.00000	12.00.00		the second second	the second second	Dr. market	
		90.17	92.17	94.22	96.32					107.55	
47	91.28	93.26	95.28	97.36						110.84	
48	94.39	96.39								114.17	
49	97.55	99.58	101.65	103.78	105.95	108.17	110.44	112.76	115.13	117.55	4
00	100.76	102.81	104.91	107.06	109.26	111.51	113.80	116.15	118.54	120,99	5
_		_				_					L
- 1									11		

Pret.	11	12	13	14	15	16	17	18	19	20	Post
0	11,14	12.44	13.80	15.21	16.67	18.17	19.73	21.33	22.99	24,69	1
1	12.17	13.51	14.89	16.32		19.33		22.54	24.22	25.95	E
2	13.26	14,62	16,02	17.48	18.99	20.54		23.80	25.51	27.26	
3	14.39	15.78	17.21	18,69		21.80		25.11	26.84	28.62	1
4	15.58	16.99	18,44	19.95		23.11		26.47	28.22	30.02	1
5	16.81	18.25	19.73	21.26		24,47	26.15	27.88	29.65	31.48	1
6	18.10	19.55	21.06	22.62	24.22	25.88	27.58	29.33	31.13	32,99	1
7	19.43	20.91	22.44	24.02	25.65	27.33	29.06	80.84	32.67	34.54	
8	20.81	22.32	23.88	25.48	27.13	28.84	30.59	32.39	34.25	36.15	
9	22.25	23.78	25.36	26.99	28.67	30.39	32.17	34.00	35.88	37.80	
10	23.73	25.28	26.89	28.54	30.25	32.00	33.80	35,65	37.55	39.51	
11	25.26	26.84	28.47	30.15	31.88	33.65		37.36	39.28	41.26	
12	26,84		30.10	31.80	83.55	35.36		39.11	41.06	43.06	
13		30.10	31.78	33.51	35.28	37.11	39.99	40.91	42.89	44.91	
14	30,15	31.80	33,51	35.26	37.06	38.91	40.81	42.76	44.76	46.81	
15	31,88	83.55	35.28	37.06	38, 89	40.76	42.69	44.67	46.69	48.76	1
16	33.65	35.36	37.11	38.91	40.76	42.67	44.62	46.62	48.67	50.76	
17	35,48	37.21	39.99	40.81	42.69	44.62		48.62	50.69	52.81	
18	37.36	39.11	40,91	42.76	44.67	46.62		50.67	52.76	54.91	
19	39.28	41.06	42.89	44.76	46,69	48.67	50.69	52.76	54.89	57.06	
20	41,26	43.06	44.91	46.81	48.76	50.76	52.81	54.91	57.06	59.26	
21	43.28	45.11	46.99	48.91	50.89	52.91	54.99	57.11	59.28	61.51	
22	45.36	47.21	49.11	51.06	53,06	55.11	57.21	59.36	61.55	63.80	
23	47.48	49,36	51.28	53.26		57.36	59.48	61.65	63.88	66.15	
24	49,65	51.55	58.51	55.51	57.55	59.65	61.80	64.00	66.25	68.54	
25	51,88	53,80	55.78	57.80	59.88	62.00	64.17	66.39	68.67	70.99	1.
26	54, 15	56.10	58.10	60.15	62,25	64.39	66.59	68,84	71.13	73.48	
27	56.47	58.44	60.47	62.54	64.67	66.84	69.06	71.33	73.65	76.02	
28	58.84	60.84	62,89	64.99		69.33	71.58	73,88	76.22	78.62	
29	61,26	63.28	65.86	67.48	69.65	71.88	74.15	76.47	78.84	81.26	
30	63.73	65.78	67.88	70.02	72.22	74.47	76.76	79.11	81.51	83.95	
31	66.25	68.32	70.44	72.62	74.84	77.11	79.43	81.80	84.22	86.69	F
32	68,81	70.91	73.06	75.26	77.51	79.80	82.15	84.54	86.99	89.48	
33	71.43	73.55	75.73	77.95	80.22	82.54	84.91	87.33	89.80		
34	74.10	76.25	78.44	80.69		85.88	87.73	90.17	92.67	95.21	
35	76.81	78.99	81.21	83.48	85.80	88.17	90.59	93.06	95.58	A Comment of the	
36	79.58	81.78	84,02	86.32	88.67	91.06	12.00	96.00		101.13	
37	82.39	84.62	86.89	89.21	91.58	94.00				104.17	
38	85.26	87.51	89.80	92.15		96.99				107.26	
39	88.17	90.44	92.76	95.13			102.54				
40	91.14	93.43	95.78			25.00	105,65	77.0. 777		3.000.70	15
41	94.15	96.47					108.81				
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48	116.62	119.11	121.65	124.25	126,89	129.58	132.32	130.11	141 55	140.84	4
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2	29.06	30.91	32.81	34.76	36.76	38.81	40.91	43.06	45,26	47.51	2
3	30.44	32.32	34.25	36.22	38.25	40.32	42,44	44.62	46.84	49.11	2
4	31.88	33.78	35.73	37.73	39.78	41.88	44.02	46.22	48.47	50.76	4
5	33.36	35.28	37.26	39.28	41.36	43.48	45.65	47.88	50.15	52.47	5
6	34.89	36.84	38.84	40.89	42.99	45.13	47.33	49.58	51.88	54.22	6
7	36.47	38.44	40.47	42.54	44.67	46.84	49.06	51.33	53.65	56.02	7
8	38.10	40.10	42.15	44.25	46.39	48.59	50.84	53.13	55.48	57.88	
9	39.78	41.80	43.88	46.00	48.17	50.39	52.67	54.99	57.36	59.78	
10	41.51	43.55	45,65	47,80	50.00	52.25	54.54	56.89	59.28	61.73	100
11	43.28	45.36	47.48	49.65	51.88	54.15	56.47	58.84	61.26	63.73	11
12	45.11	47.21	49.36	51.55	53.80	56.10	58.44	60.84	63.28	65.78	
13	46.99	49.11	51.28	53.51	55.78	58.10	60.47	62.89	65.36	67.88	
14	48.91	51.06	53.26	55.51	57.80	60.15	62.54	64.99	67.48	70.02	
15	50.89	53.06	55.28	57.55	59.88	62.25	64.67	67.13	69.65	72.22	
16	52.91	55.11	57.36	59.65	62.00	64.39	66.84	69.33	71.88	74.47	16
17	54.99	57.21	59.48	61.80	64.17	66.59	69.06	71.58	74.15	76.76	12.0
18	57.11	59.36	61.65	64.00	66.39	68.84	71.33	73.88	76.47	79.11	12.3
19	59.28	61.55	63.88	66.25	68.67	71.13	73.65	76.22	78.84	81.51	17.9
20	61.51	63.80	66.15	68.54	70.99		76.02	78.62	81.26	83.95	
21	63.78	66.10	68.47	70.89	73.36	75.88	78.44	81.06	83.73	86.44	200
22	66.10	68.44	70.84	73.28		78.32	80.91	83.55	86.25	88.99	
23	68.47	70.84	73.26	75.73	78.25	. 80.81	83.43	86.10	88.81	91.58	
24	70.89	73.28	75.73	78.22	80.76	83.36	86.00	88.69	91.43	94, 22	
25	73.36	75.78	78.25	80.76	83.33		88.62	91.83		96,91	
26	75.88	78.32	80.81	83.36	85.95	88.59	91.28	94.02	96.81	99.65	26
27	78.44	80.91	83.43	86.00		1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	94.00	96.76		102.44	
28	81.06		86.10	88.69	91.33		96.76		102.39		
29	83.73	86.25	88.81	91.43			99.58		105.26		
30	86.44	88.99	91.58	94.22	96,91				108.17		
31	89.21	91.78	94.39	97.06	99.78	102.54	105.36	108.22	111.13	114.10	31
32	92.02	94.62	97.26	99.95	102.69	105.48	108.32	111.21	114.15	117.13	32
33	94.89	97.50	100.17	102.89	105.65	108.47	111.33	114.25	117.21	120.22	33
34	97.80	100.44	103.13	105.88	108.67	111.51	114.39	117,33	120.32	123,36	34
35	190.76	103.43	106.15	108.91	111.73	114.59	117.51	120.47	123.48	126.54	35
36	103.78	106.47	109.21	112.00	114.84	117.73	120.67	123.65	126.69	129.78	36
37	106,84	109.55	112.32	115.13	118,00	120,91	123.88	126.89	129.95	133.06	37
38	109.95	112,69	115.48	118.32	121.21	124.15	127.13	130.17	133,26	136.39	38
39	113, 11	115.88	118,69	121,55	124.47	127.43	130.44	133.51	136.62	139.78	39
40	116.32	119,11	121.95	124.84	127,78	130.76	133,80	136.89	140.02	143, 21	40
41	119.58	122.39	125.26	128.17	131.13	134.15	137.21	140.32	143.48	146.69	41
42	122.89	125.73	128.52	131.55	134.54	137.58	140.67	143.80	146,99	150.22	42
43	126.25	129.11	132.02	134.99	138.00	141.06	144.17	147.33	150.54	153,80	48
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27 102 28 103 29 11 30 11 31 11 32 12 33 12 34 12 35 12 36 13 37 13 38 13 39 14 40 14 41 14	9.78	102,69	105.65	108.67	111.73	114.84	118.00	121,21	124.47	127.78	2
28 103 29 11 30 11 31 11 32 12 33 12 34 12 35 12 36 13 37 13 38 13 39 14 40 14 41 14	2.54	105.48	108.47	111.51	114.59	117.73	120.91	124.15	127.43	130.76	2
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0	71.88	74.67	77.51	80.40	83.33	86.32	89.36	92,44	94.58	97.76	
1	73.65	76.47	79.33	82.25	85.21	88.22	91.28	94.39		100.76	
2	75.48	78.32	81.21	84.15	87.13		93.26		99.58		0
3	77.86	80,22	83.13	86.10		92.17	95.28		101.65		
4	79.28	82.17	85.11	88.10						107.06	
5	81.26	84.17	87.13	90.15	93.21	96.32	Arrest Section	P. C. C. C.	6 OF 2 P. V.	109.26	1
6	83.28	86.22	89.21	92.25	95.33			104.89			
7	85.36	88.32	91.33	94.40		100.67					
8	87.48	90.47	93.51	96.59		102.91					
9	89.65	92.67	95.73	98.84	102,00	105.21	108.47	111.78	115.13	118.54	
10	91.88	94.91				107.55					
11	94.15	97.21	100.32	103.48	106.69	109.95	113.26	116.62	120,02	123,48	1
12	96.47	99.55	102.69	105.88	109.11	112.39	115.73	119.11	122.54	126.02	1
13	98.84	101.95	105.11	108.32	111.58	114.89	118.25	121.65	125.11	128.62	1
	101.26	104.39	107.58	110.81	114, 10	117,43	120.81	124.25	127.73	131.26	1
15	103.78	106.89	110.10	113.36	116.67	120,02	123.43	126.89	130.39	133.95	1
16	106.25	109.43	112.67	115.95	119.28	122.67	126.10	129.58	133.11	136.69	1
17	108.81	112.02	115.28	118.59	121.95	125.36	128.81	132.32	135.88	139.48	1
18	111.43	114.67	117.95	121.28	124.67	128.10	131.58	135.11	138.69	142.32	1
19	114.10	117.36	120.67	124.02	127.43	130.89	134.39	137.95	141.55	145.21	1
20	116.81	120.10	123.43	126.81	130.25	133,73	137.26	140.84	144.47	148.15	2
		122.89									
22	122.39	125.73	129.11	132.54	136.02	139.55	143.13	146.76	150.44	154.17	2
23	125.26	128.62	132.02	135.48	138.99	142.54	146.15	149.80	153.51	157.26	2
24	128.17	131.55	134.99	138.47	142.00	145.58	149.21	152.89	156.62	160.89	2
25	131.13	134.54	138.00	141.51	145.06	148.67	152.32	156.02	159.78	163.58	2
		137.58									
20	127 91	140.67	144 17	147 73	151 88	154 99	158 69	162.44	166.25	170.10	2
20	140 39	143.80	147 33	150.91	154.54	158.22	161.95	165.78	169.55	173.43	2
29	143.48	146.99	150.54	154.15	157.80	161.51	165.26	169.06	172.91	176.81	2
30	146.69	150.22	153.80	157.43	161.11	164.84	168.62	172.44	176.32	180,25	3
		153.51									
20	152 96	156.84	160 47	164 15	167 88	171.65	175 48	179.36	183.28	187.26	3
22	156 69	160.22	162 88	167 58	171 33	175.18	178.99	182.89	186.84	190.84	3
24	160 02	163.65	167 33	171.06	174.84	178.67	182.54	186.47	190.44	194.47	3
35	163.48	167.13	170.84	174.59	178.39	182.25	186.15	190.10	194.10	198.15	3
		170.67									
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36	174.04	177.88	191 65	185 49	180 36	193 98	197 96	201 28	205 36	209 48	2
00	177 80	181.55	185 86	189 91	193 11	197 06	201.06	205 11	209.21	213.36	3
10	181 51	185.28	189 11	192 99	196.91	200.89	204.91	208.99	213.11	217.28	4
	101.01	100.20	100,11	100 01	900 70	904 70	000 01	919 01	917 06	991 96	1
11	185.26	189.06	192.91	200.81	200.76	204.76	219 70	916 90	221 06	225 28	1
tZ to	109.06	192.89 196.76	190.76	200.69	204.07	219 67	216 70	220 01	225 11	229 36	1
1.1	192.91	200.69	200.07	208 50	919 69	216 60	220 81	224 99	229 21	233 48	4
15	200.81	204.67	208 69	219 69	216 67	220.76	224 91	229.11	233.36	237.65	4
16	204.76	208.69	212.67	216.69	220.76	224.89	229.06	200.28	941 90	946 15	4
47	208.81	212.76	216.76	220.81	224.91	229.06	255.26	941 70	946 10	250.10	4
48	212.91	216.89	220.91	224.99	229.11	233.28	207.01	241.78	240.10	254 84	4
49	217.06	221.06 $225.28$	225,11	229.21	200.86	941 99	946 15	250 47	254 84	259.26	5
00	221.26	225.28	229.36	200.48	201.00	211.00	240, 10	200.47	201.01	200.20	L
	41	42	43	44	45	46	47	48	49	50	1

177 2 A

Peet.	1	2	3	4	5	6	7	8	9	10	Poot.
0	0.77	1.61	2.50	3.46	4.48	5.56	6.70	7.90	9.17	10.49	(
1	1.57	2.44	3.36	4.35	5.40	6.51	7.69	8.92	10.22	11.57	1
2	2.44	3.33	4.29	5.31	6.39	7.53	8.74	10.00	11.33	12.72	2
3	3.36	4.29	5.28	6.33	7.44	8.61	9.85	11.14	12.50	13.92	
4	4.35	5.31	6.33	7.41	8,55	9.75	11.02	12.35	13.73	15.19	13
5	5.40	6.39	7.44	8.55	9.72	10.96	12.25	13.61	15.03	16.51	1
6	6.51	7.53	8.61	9.75	10.96		13.55	14.94	16.39	17.90	1
7	7.69	8.74	9.85	11.02	12.25	13.55	14.91	16.33	17.81	19.35	
8	8.92	10.00	11.14	12.35	13.61	14.94	16.33	17.78	19.29	20.86	
9	10.22	11.33	12.50	13.73	15.03		17.81	19.29	20.83	22.44	
10	11.57	12.72	13.92	15.19	16.51	17.90	19,35	20.86	22.44	24.07	10
11	12.99	14.17	15.40	16.70	18.06		20.96			25.77	
12	14.48	15.68	16.94	18.27	19.66		22.62	24.20		27.53	
13	16.02	17.25 18.89	18.55 20.22	19.91 21.61	21.33 23.06		24.35 26.14	25.96 27.78		29.35 31.23	
14 15	17.62 19.29	20.59	21.94	23.36			27.99	29.66		33.18	
133	183 P. C.	A STATE OF THE	The second		1739967	100000	Carla Salva	31.61	33.36	35.19	100
16	21.02	22.35	23.73	25.19 27.07	26.70 28.61	30.22	29,91 31,88	33.61	35.40	37.25	
17	22.81 24.66	24.17 26.05	25.59 27.50	29.01	30.59		83.92	35.68	37.50	39.38	
$\frac{18}{19}$	26.57	27.99	29.48	31.02	32.62		36.02	37.81	39.66	41.57	
20	28.55	30.00	31.51	33.09	34.72	36.42	38.18			43.83	
21	30.59	32.07	33.61	35,22	36.88		40.40	42.25	44.17	46.14	
22	32.69	34.20	35.77	37.41	39.11	40.86	42.69		46.51	48.52	
23	34.85	36.39	37.99	39.66	41.39		45.03		48.92	50.96	
24	37.07	38.64	40.28	41.98	43.73		47.44	49.38	51.39	53.46	
25	39.35	40.96	42.62	44.35	46,14		49.91	51,88	53.92	56.02	2
26	41.70	43.33	45.03	46.79	48.61	50.49	52.44	54.44	56.51	58.64	21
27	44.11	45.77	47.50	49.29	51.14	53.06	55.03	57.07	59.17	61.37	
28	46.57	48.27	50.03	51.85	53.73	55.68	57.69	59.75	61.88	64.07	28
29	49.11	50.83	52.62	54.48	56.39	58.36	60,40		64.66	66.88	
30	51.70	53.46	55.28	57.16	59.11	61.11	63.18	65.31	67.50	69.75	3
31	54.35	56.14	57.99	59.91	61.88	63.92	66.02	68.18	70.40	72.69	
32	57.07	58.89	60.77	62.72	64.72	66.79	68.92	71.11	73.36	75.68	
33	59.85	61.70	63.61	65.59	67.62	69.72	71.88	74.10		78.73	
34	62.69	64.57	66.51	68.52	70.59	72.72	74.91	77.16		81.85	
35	65.59	67.50	69,48	71.51	73.61	75.77	77.99	/ V	82.62	85.03	100
36	68.55	70.49	72.50	74.57	76.70		81.14			88.27	
37	71.57	73.55	75.59	77.65	79.85		84.35	86.70		91.57	
38	74.66	76.67	78.73	80.86	83.06		87.62	90.00	92.44	94.94	100
39	77.81 81.02	79.85 83.09	81.94 85.22	84, 10 87, 41	86.33 89.66		90.96	93.36		98.36 101.85	
40	I COMPLETE	Carlo Carlo	100000000000000000000000000000000000000		13-15-50	1.045.1.1.010	0.655, 310	12857 10	1.05.00	Military many	1
41	84.29	86.39	88.55	90.77	93.06				102.81		
42	87.62 91.02	89.75 93.18	91.94 95.40	94.20					106.39 110.03		
43 44	94.48	96.67							113.73		
45											
	1100		106.14		C. C. C. C. C. V.	Contract of the contract of	353630	100	100000	Charles Transconti	1
			109.85								
			113.61								
			117.44								
			121.33								
		The second second second second	A STATE OF THE REAL PROPERTY.				The second secon	and the second second		and the second second	
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Feet.	11	12	13	14	15	16	17	18	19	20	Feet.
0	11.88	13.33	14.85	16.42	18.06	19.75	21.51	23.33	25.22	27.16	1
1	12.99	14.48	16.02	17.62	19.29	21.02	22.81	24.66	26.57	28.55	1
2	14.17	15.68	17.25	18.89	20.59	22.35	24.17	26.05	27.99	30.00	
3	15.40	16.94	18.55	20.22	21.94	23.73	25.59	27.50	29.48	31.51	1
4	16.70	18.27	19.91	21.61	23.36	25.19	27.07	29.01	31.02	33.09	1 4
5	18.06	19.66	21.33	23.06	24.85	26.70	28.61	30.59	32.62	34.72	1
6	19.48	21.11	22,81	24.57	26.39	28.27	30.22	32.22	34.29	36.42	1
7	20.96	22.62	24.35	26.14	27.99	29.91	31.88	33.92	36.02	38,18	1
8	22.50	24.20	25.96	27.78	29.66	31.61	33.61	35.68	37.81	40.00	3
9	24.11	25.83	27.62	29.48	31.39	33.36	35.40	87.50	39,66	41.88	1
10	25.77	27.53	29.35	31.23	33.18	35.19	37.25	39,38	41.57	43.83	1
11	27.50	29.29	31.14	33.06	35.03	37.07	39.17	41.33	48.55	45.83	1
12	29.29	31.11	32,99	34.94	36.94	39.01	41.14	43.33	45.59	47.90	
13	31.14	32.99	34.91	36.88	38.92	41.02	43.18	45.40	47.69	50.03	1
14	33.06	34.94	36.88	38.89	40.96	43.09	45.28	47.53	49.85	52.22	1
15	35.03	36.94	38.92	40.96	43.06	45.22	47.44	49.72	52.07	54.48	1
16	37.07	39.01	41.02	43.09	45.22	47.41	49.66	51.98	54.35	56.79	1
17	39.17	41.14	43.18	45.28	47.44	49.66	51.94	54.29	56.70	59.17	
18	41.33	43.33	45.40	47.53	49.72	51.98	54.29	56.67	59.11	61.61	
19	43.55	45.59	47.69	49.85	52.07	54.35	56.70	59.11	61.57	64.11	
20	45.83	47.90	50.03	52.22	54.48	56.79	59.17	61.61	64.11	66.67	2
21	48.18	50.28	52.44	54.66	56.94	59.29	61.70	64.17	66.70	69.29	2
22	50.59	52.72	54.91	57.16	59.48	61.85	64.29	66.79	69.35	71.98	
23	53.06	55.22	57.44	59.72	62.07	64,48	66.94	69.48	72.07	74.72	
24	55.59	57.78	60.03	62.35	64.72	67.16	69.66	72.22	74.85	77.53	
25	58.18	60.40	62.69	65.08	67.44	69.91	72.44	75.03	77.69	80.40	
26	60.83	63.09	65.40	67.78	70.22	72.72	75.28	77.90	80.59	83.33	91
27	63.55	65.83	68.18	70.59	73.06	75.59	78.18	80.83	83.55	86.33	
28	66.33	68.64	71.02	73.46	75.96	78.52	81.14	83.83	86.57	89.38	
29	69.17	71.51	73.92	76.39	78.92		84.17	86.88	89.66		
30	72.07	74.44	76.88	79.38	81.94	84.57	87.25	90.00	92.81	95.68	
31	75.03	77.44	79.91	82.44	85.03	87.69	90.40	93.18	96.02	98.92	
32	78.06	80.49	82.99	85.56	88.18	The second second	1200	96.42	1 3 3 3 5 5	102.22	1-
33	81.14	83.61	86.14	88.73	91.39	94.10			102.62		
34	84.29	86.79	89.35	91.98	94.66		100.22				
35	87.50	90.03	92.62	95.28	97.99		103.61				
36	90.77	93.33	95.96	98.64	101.39	104.20	107.07	110.00	112.99	116.05	3
37	94.10	96.70					110.59				
38							114.17				
39							117.81				
10	104.48	107.16	109.91	112.72	115.59	118.52	121.51	124.57	127.68	130,86	4
41	108 06	110 77	118 55	116.39	119 29	122.25	125.28	128.36	131.51	184 79	4
							129.10				
							132,99				
							136.94				
							140.96				
			N. F. T. T.	179 121		100000000000000000000000000000000000000	145.03	WITE WEEK	1.00		
							149.17				
							153.36				
							157.62				
							161.94				
			100 1	10-16-	1 - 1					100,180	-
1.7	11	12	13	14	15	16	17	18	19	20	1

Feet	21	22	23	24	25	26	27	28	29	30	9
0	29.17	81.23	33.86	35.56	37.81	40.12	42.50	44.94	47.44	50.00	Ī
1	30.59	32.69	34.85	37.07	39.35	41.70	44.11	46.57	49.11	51.70	L
2	32.07	34.20	36.39	38.64	40.96		45.77	48.27	50.83	53.46	
3	33.61	35.77	37.99	40.28	42,62			50.03	52.62	55.28	
4	35.22	37.41	39.66	41.98	44.35		49,29	51.85	54.48	57.16	
5	36.88	89.11	41.39	43.73	46.14	48.61	51.14	53.73	56.39	59.11	0
6	38.61	40.86	43.18	45.56	47.99	50.49	53.06	55.68	58.36	61.11	
7	40.40	42.69	45.03	47.44	49.91	52,44	55.08	57.69	60.40	63.18	
8	42.25	44.57	46.94	49.38	51.88	54.44	57.07	59.75	62.50	65.31	1
9	44.17	46.51	48.92	51.39	53.92	56.51	59.17	61.88	64.66	67.50	1
10	46,14	48.52	50.96	53.46	56.02	58.64	61.37	64.07	66.88	69.75	1
11	48.18	50.59	53.06	55.59	58.18	60.83	63.55	66.33	69.17	72.07	1
12	50.28	52.72	55.22	57.78	60.40	1000	65.83	68.64		74.44	
13	52.44	54.91	57.44	60.03	62.69		68.18	71.02		76.88	
14	54.66	57.16	59.72	62.35	65.03	67.78	70.59	73.46	76.39	79.38	1
15	56.94	59.48	62.07	64.72	67.44	70.22	73.06	75.96	78.92	81.94	
16	59.29	61.85	64.48	67.16	69.91	72.72	75.59	78.52	81.51	84.57	V
17	61.70	64.29	66.94	69.66	72.44		78.18	81.14		87.25	
18	64.17	66.79	69.48	72.22	75.03		80.83	83.83		90.00	
19	66.70	69.35	72.07	74.85	77.69			86.57			
20	69.29	71.98	74.72	77.53	80.40		86.33	89.38			
21	71.94	74.66	77.44	80.28	83.18	1800	1000000	92.25		The second second	١.
22	74.66	77.41	80.22	83.09	86.02			95.19		101.60	
23	77.44	80.22	83.06		88.92					104.66	
24	80.28	83.09	85.96	88.89	91.88					107.78	
25	83.18	86.02	88.92	91.88	94.91					110.96	
70	34.00	1000		1775 A		Principle Company	THE RESERVE AND ADDRESS OF THE PARTY OF THE	Mark Comment	1000 1000	Mark W. Land M.	
26	86.14	89.01	91.94	office and form of						114.20	
27 28	89.17 92.25	92.07 95.19	95.03							117.50	
29	95.40									120.86 124.29	
30		101.60									
7.0				20.00			1000	ACC - 6 CA - 1		1000	1
		104.91									
52	100.22	108.27	111.39	114.57	117.81	121.11	124.48	127.90	131.39	134.94	ŀ
33	110.01	111.70	119.00	101.00	121.55	124.66	128.06	131.51	135.03	138.61	1
		115.18									
		118.73	and the same of the		1 1		The second second	The second second second	100		
		122.35									
		126.02									
		129.75									
		133.55									
		137.41					1.11.40%		AND THE RES	100 MOV X	н
		141.33									
		145.31									
		149.35									
		153.46									
15	154.17	157.62	161.14	164.72	168.36	172.07	175.83	179.66	183.55	187.50	14
16	158.36	161.85	165.40	169.01	172.68	176.42	180.22	184.07	187.99	191.97	4
		166.14									
48	166.94	170.49	174.10	177.78	181.51	185.31	189.17	193.09	197.07	201.11	4
19	171.33	174.91	178.55	182.25	186.02	189.84	193.73	197.68	201.70	205.77	4
		179.38									
	01	00	- 00	0.4	0.	-00	0-	- 00	- 00		-
- 1	21	22	23	24	25	26	27	28	29	30	п

Feet	31	32	33	34	35	36	37	38	39	40	Feet.
0	52.62	55.31	58.06	60.86	63.73	66.67	69,66	72.72	75.83	79.01	(
1	54.35	57.07	59.85	62.69	65.59	68.55	71.57	74.66	77.81	81.02	1
2	56.14	58.89	61.70	64.57	67.50	70.49	73.55	76.67	79.85	83,09	1
3	57.99	60.77	63.61	66.51	69.48	72.50	75.59	78.78	81.94	85.22	1
4	59.91	62.72	65.59	68.52	71.51	74.57	77.65	80.86	84.10	87.41	4
5	61.88	64.72	67.62	70.59	73.61	76.70	79.85	83.06	86.33	89.66	1
6	63.92	66.79	69.72	72.72	75.77	78.89	82.07	85.31	88.61	91.98	1
7	66.02	68.92	71.88	74.91	77.99	81.14	84.35	87.62	90.96	94.35	1
8	68.18	71.11	74.10	77.16	80.28	83.46	86.70	90.00	93.36	96.79	1
9	70.40	73.36	76.39	79.48	82.62	85.83	89.10	92.44	95.83	99.39	1
10	72.69	75.68	78.73	81.85	85.03	88.27	91.57	94.94	98.36	101.85	1
11	75.03	78.06	81.14	84.29	87.50	90.77	94.10	97.50	100.96	104,48	1
12	77.44	80.49	83.61	86.79	90.03			100.12			
13	79.91	82.99	86.14	89.35	92.62			102,81			
14	82.44	85.56	88.73	91.98	95.28			105.56			
15	85.03	88.18	91.39	94.66		101.39					
-31	17.753	20000	1270		100	104.20	30212 3000			1000 F 1 F	100
16	87.69	90.86	94.10	100.22							
17	90.40	93.61									
18	93.18			103.09							
19	96.02			106.02							
20	and the same	102,22			March Committee	No. of the State of		by "The republic	the second second second		1.0
21	101.88	105.22	108.61	112.07	115.59	119.17	122,81	126.51	130.28	134.10	2
22	104.91	108.27	111.70	115.18	118.73	122.35	126.02	129.75	133.55	137.41	2
		111.39									
24	111.14	114.57	118.06	121.60	125.22	128,89	132,62	136, 42	140.28	144, 20	2
		117.81									
26	117.62	121.11	124.66	128.27	131.94	135.68	139.47	143.33	147.25	151.23	2
27	120.96	124.48	128.06	131.70	135.40	139.17	142.99	146.88	150.83	154.84	2
		127.90									
		131.39									
30	131.33	134.94	138.61	142.35	146.14	150.00	153.92	157.90	161.94	166.05	3
31	134.91	138.55	142.25	146.02	149.85	153.78	157.68	161.70	165.77	169.91	3
		142.22									
33	142.25	145.96	149.72	153.55	157.44	161.39	165.40	169.47	173.61	177.81	3
34	146.02	149.75	153.55	157.41	161.33	165.31	169.35	173.46	177.62	181.85	3
35	149.85	153,61	157.44	161.33	165.28	169.29	173.36	177.50	181,70	185.96	3
		157.53									
97	157 68	161.51	165 40	160 95	179 96	177 44	181 57	185 77	190 08	194 35	3
90	161 70	165.55	160.47	172 48	177 50	181 60	185 77	190 00	194 99	198 64	2
90	101.70	100.00	179 01	177 60	191 70	105 00	190.03	194 99	109 61	909 00	2
40	160.77	169.66 173.83	177 01	191 95	185 06	100.00	194 95	198 64	202 00	202, 33	4
41	174.10	178.05	182.07	186.14	190.28	194.47	198.78	203.05	207.44	211.88	4
42	178.36	182.35	186.39	190.49	194.66	198.89	203.18	207.58	211.94	216.42	4
43	182.68	186.70	190.77	194.91	199.10	203.36	207.68	212.07	216.51	221.02	4
44	187.07	191.11	195.22	199.38	203.61	207.90	212.25	210.67	221,14	220.68	4
		195.59									
46	196.02	200.12	204.29	208.52	212.81	217.16	221.57	226.05	230.59	235.18	4
47	200.59	204.72	208.92	213.18	217.50	221.88	226.33	230.83	235.40	240.03	4
48	205.22	209.38	213.61	217.90	222.25	226.67	231.14	235.68	240.28	244.94	4
49	209.91	214.10	218.36	222.68	227.07	231.51	236.02	240.59	245.21	249.91	4
50	214.66	218.89	223.18	227.53	231.94	236.42	240.96	245.55	250.21	254.94	5
											_
-									100		-

TABLE XXXVL_BASE 40._SLOPES 21 to 1.

Feet	41	42	43	44	45	46	47	48	49	50	Poet
0	82.25	85.56	88.92	92.35	95.83	99.38	102.99	106.67	110.40	114.20	1
1	84.29	87.62	91.02	94.48	97.99	101.57	105.22	108.92	112.68	116.51	В
2	86.39	89.75	93.18	96.67	100.22	103.83	107.50	111.23	115.03	118.89	1
3	88.55	91.94	95.40				109.85				
4	90.77	94.20					112.25				
5	93.06	100 1 202 20	12.40 1 4.3004		11/4 W	The same of	114.72	1000	10 to 10		1
6	95.40						117.25				1
7		101.33									
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0.01		109.01			1	Country Country	17.5	Maria San			
		111.70									
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		117.25 $120.12$									
		123.06									
2.71	1	ALC: NO. 10	1 100 1 100		Market Mary	100 100 100 20	1 1 1 1 1 1 1 1	10 A A 10 M	11 11 11 11 11	A 10 A 10 A 10 A	1
		126.05									
		$129.10 \\ 132.22$									
		135.40									
		138,64									
12		141.94				1	Carrie Carrie	0.000	0.000		
		145.31									
		148.73									
		152.22									
		155.77									
4	100 (1)	159.38	Marie College	(C) E	5 e 3 1 1 L	5.0 5 / 72	022 33	FREE BOT	7222 C	F H K 1 S 3	
		163.06									
		166.79									
		170.59									
30	170.22	174.44	178.73	183.09	187.50	191.97	196.51	201.11	205.77	210.49	3
31	174.10	178.36	182.68	187.07	191.51	196.02	200.59	205.22	209.91	214.66	3
I G 1		182.35		22 2 2 2 2							1
		186.39									
34	186.14	190,49	194.91	199.38	203.92	208.52	213.18	217.90	222.68	227.53	3
35	190.28	194.66	199.10	203.61	208.18	212.81	217.50	222.25	227.07	231.94	3
36	194,47	198.89	203.36	207.90	212.50	217.16	221,88	226.67	231.51	236.42	3
		203.18									
		207.53									
		211.94									
40	211.88	216.42	221.02	225.68	230.40	235.18	240.03	244.94	249.91	254.94	4
		220.96									
		225.55									
		230.22									
		234.94									
7	And Address of the Land	239.72	to be a little of	20.00	do the	100 100	ortigin (1965)	Water Street	A STATE OF	1000	1
		244.57									
		249.47									
		254.44									
		259.47									
-	209.72	264.57	209,47	2/4,44	279.47	284.07	289.72	294.94	500.21	505.55	5
	41	42	43	44	45	46	47	48	49	50	1

Peet	1	2	3	4	5	6	7	8	9	10	Feet.
0	0.78	1.63	2.56	3.56	4.63	5.78	7.00	8.30	9.67	11.11	-
1	1.59	2.48	3.44	4.48	5.59	6.78	8.04	9.37	10.78	12.26	1
2	2.48	3.41	4.41	5.48	6.63	7.85	9.15	10.52	11.96	13.48	1
3	3.44	4.41	5.44	6.56	7.74	9.00	10.33	11.74	13.22	14.78	3
4	4.48	5.48	6.56	7.70	8.92	10.22	11.59	13.04		16.15	3
5	5.59	6.63	7.74	8.92	10.18	11.52	12.92	14.41	15.96	17.59	1
6	6.78	7.85	9.00	10.22	11.52	12.89	14.33	15.85	17.44	19.11	
7	8.04	9.15	10.33	11.59	12.92	14.33	15.81	17.37	19.00	20.70	1
8	9.37	10.52	11.74	13.04	14.41	15.85	17.37	18.96	20.63	22.37	1
9	10.78	11.96	13.22	14.56	15.96	17.44	19.00	20.63	22.33	24.11	1
10	12.26	13.48	14.78	16.15	17.59	19.11	20.70	22.37	24.11	25.92	
11	13.81	15.07	16.41	17.81	19.30	20.85	22.48	24.18	25.96	27.81	11
12	15.44	16.74	18.11	19.56	21.07	22.67	24.33	26.07	27.89	29.78	
13	17.15	18.48	19.89	21.37	22.92	24.56	26.26	28.04		31.81	
14	18.92	20.30	21.74	23.26	24.85	26.52	28.26	30.07	31.96	33.92	
15	20.78	22.18	23.67	25.22	26.85	28.56	30.33	32.18	34.11	36.11	100
16	22.70	24.15	25.67	27.26	28.92	30.67	32.48	34.37	36.33	38.37	100
17	24.70	26.18	27.74	29.37	31.07	32.85	34.70	36.63	38.63	40.70	
18	26.78	28.30	29.89	31.56	33.30	35.11	37.00	38.96	41.00	43.11	
19	28.92	30.48	32.11	33.81	85.59	37.44	39.37	41.37	43.44	45.59	
20	31.15	32.74	34.41	36.15	37.96	The second second	41.81	43.85	45.96	48.15	
21	100 PM	(v. ) , v. ) ,	100000000000000000000000000000000000000		75. Trace	42.33	44.33	46.41	48.56	50.78	1-30
22	33.44	35.07	36.78	38.56	40.41	1.6.0	46.92	49.04	51.22		
23	35.81	37.48	39.22	41.04		47.52	49.59	51.74	53.96	53.48 56.26	
24	38.26 40.78	39.96 42.52	100000000000000000000000000000000000000	43.59	45.52	50.22	52.33	54.52	56.78	59.11	
25	43.37	45.15	44.43	48.92	50.92	53.00	55.15	57.37	59.67	62.04	
95	90000	Mary Control		150000	Ja25 1. 154	100000	100	60.30		1000	100
26	46.04	47.85	49.74	51.70	53.74	55.85	58.04	63.30	62.63	65.04	
27	48.78	50.63	52.56	54.56	56.63		61.00	66.37	65.67	68.11	
28	51.59	53.48	55.44	57.48		61.78	64.04	69.52	68.78 71.96	71.26	
29 30	54.48	56.41	58.41	60.48	62.63	68.00	67.15	72.74	75.22	74.48	
	57.44	59.41	61.44		The Control		A. T. T. T. T.			90000	
31	60.48	62.48	64.56	66.70	68.92	71.22	78.59		78.56	81.15	
32	63.59	65.63	67.74	69.92	72.18	74.52	76.92	79.41	81.96	84.59	
33	66.78	68.85	71.00	73.22	75.52	77 89 81.33	80.33	82.85 86.37	85.44	88.11	
35	70.04	72.15	74.88	76.59 80.04	78.92	84.85	83.81 87.37	89.96	89.00 92.63	91.70 95.37	
	73.37	75.52	77.74	1.000	82.41	100	1000				100
36	76.78	78.96	81.22	83.56	85.96		91.00	93.63	96.33	99.11	
37	80.26	82.48	84.78	87.15	89.59	92.11	94.70			102.92	
38	83.81	86.07	88.41	90.81	98.30					106.81	
39	87.44	89.74	92.11	94.56	97.07		102.33				
40	91.15	93.48	95.89				106.26			A Section 1	
41	94.92	97.30					110.26				
42			103.67								
			107.67								
45	106.70	109.18	111.74	114.37	101.07	194 11	197 00	120.65	120.00	196 11	44
			115.89								
			120, 11								
			124.41								
			128.78								
			133.22								
50	132.26	134.96	137.74	140.59	143.52	146.52	149.59	152.74	155.96	159.26	5(
-		1				172.7			-	0	-
	1	2	3	4	5	6	7	8	9	10	

1 2 3 4 5 6 7 8 9 10 11 2 13 14 15 16 17 18	12.63 13.81 15.97 16.41 17.81 19.30 20.85 22.48 25.96 27.81 29.74 33.81 35.96 38.18 40.48 42.85 45.30	15.44 16.74 18.11 19.56 21.07 22.67 24.33 26.07 27.89 29.78 31.74 33.78 35.89 38.07 40.33 42.67	15.89 17.15 18.48 19.89 21.37 22.92 24.56 26.26 28.04 29.89 31.81 33.81 35.89 40.26 42.56	17, 63 18, 92 20, 30 21, 74 23, 26 24, 85 26, 52 28, 26 30, 07 31, 96 33, 92 35, 96 40, 26 40, 25	19.44 20.78 22.18 23.67 25.22 26.85 28.56 30.33 32.18 34.11 38.18 40.33	40.48	23.30 24.70 26.18 27.74 29.37 31.07 32.85 34.70 36.63 38.63 40.70	25.33 26.78 28.30 29.89 31.56 33.30 35.11 37.00 38.96 41.00 43.11	41.37	29.63 81.15 82.74 84.41 86.15 87.96 89.85 41.81 43.85 45.96 48.15	
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	15.07 16.41 17.81 19.30 20.85 22.48 25.96 27.81 29.74 31.74 35.96 38.18 40.48 42.85 45.30	16.74 18.11 19.56 21.07 22.67 24.33 26.07 27.89 29.78 31.74 33.78 35.89 38.07 40.33 42.67	18.48 19.89 21.37 22.92 24.56 26.26 28.04 29.89 31.81 33.81 35.89 38.04 40.26	20.30 21.74 23.26 24.85 26.52 28.26 30.07 31.96 33.92 35.96 38.07 40.26	22.18 23.67 25.22 26.85 28.56 30.33 32.18 34.11 36.11 38.18 40.33	24.15 25.67 27.26 28.92 30.67 32.48 34.37 36.33 38.37 40.48	26.18 27.74 29.37 31.07 32.85 34.70 36.63 38.63 40.70	28.30 29.89 31.56 33.30 35.11 37.00 38.96 41.00 43.11	30.48 32.11 33.81 35.59 37.44 39.37 41.37	32.74 34.41 36.15 37.96 39.85 41.81 43.85 45.96	
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	16. 41 17. 81 19. 30 20. 85 22. 48 24. 18 25. 96 27. 81 29. 74 31. 74 33. 81 35. 96 38. 18 40. 48 42. 85 45. 30	18.11 19.56 21.07 22.67 24.33 26.07 27.89 29.78 31.74 33.78 33.78 38.07 40.33 42.67	19.89 21.37 22.92 24.56 26.26 28.04 29.89 31.81 33.81 35.89 38.04 40.26	21.74 23.26 24.85 26.52 28.26 30.07 31.96 33.92 35.96 38.07 40.26	23.67 25.22 26.85 28.56 30.33 32.18 34.11 36.11 38.18 40.33	25.67 27.26 28.92 30.67 32.48 34.37 36.33 38.37 40.48	27.74 29.37 31.07 32.85 34.70 36.63 38.63 40.70	29.89 31.56 33.30 35.11 37.00 38.96 41.00 43.11	32.11 33.81 35.59 37.44 39.37 41.37 43.44	34.41 36.15 37.96 39.85 41.81 43.85 45.96	
4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	17.81 19.30 20.85 22.48 24.18 25.96 27.81 29.74 31.74 33.81 35.96 38.18 40.48 42.85 45.30	19.56 21.07 22.67 24.33 26.07 27.89 29.78 31.74 33.78 35.89 38.07 40.33 42.67	21.37 22.92 24.56 26.26 28.04 29.89 31.81 33.81 35.89 38.04 40.26	23.26 24.85 26.52 28.26 30.07 31.96 33.92 35.96 38.07 40.26	25.22 26.85 28.56 30.33 32.18 34.11 36.11 38.18 40.33	27.26 28.92 30.67 32.48 34.37 36.33 38.37 40.48	29.37 31.07 32.85 34.70 36.63 38.63 40.70	31,56 33,30 35,11 37,00 38,96 41,00 43,11	33.81 35.59 37.44 39.37 41.37 43.44	36.15 37.96 39.85 41.81 43.85 45.96	
5 6 7 8 9 10 11 12 13 14 15 16 17 18	19,30 20,85 22,48 24,18 25,96 27,81 29,74 31,74 33,81,35,96 38,18 40,48 42,85 45,30	21.07 22.67 24.33 26.07 27.89 29.78 31.74 33.78 35.89 38.07 40.33 42.67	22.92 24.56 26.26 28.04 29.89 31.81 33.81 35.89 38.04 40.26	24.85 26.52 28.26 30.07 31.96 33.92 35.96 38.07 40.26	26.85 28.56 30.33 32.18 34.11 36.11 38.18 40.33	28.92 30.67 32.48 34.37 36.33 38.37 40.48	31.07 32.85 34.70 36.63 38.63 40.70	33,30 35,11 37,00 38,96 41,00 43,11	35,59 37,44 39,37 41,37 43,44	37.96 39.85 41.81 43.85 45.96	
6 7 8 9 10 11 12 13 14 15 16 17 18	20.85 22.48 24.18 25.96 27.81 29.74 31.74 33.81 35.96 38.18 40.48 42.85 45.30	22.67 24.33 26.07 27.89 29.78 31.74 33.78 35.89 38.07 40.33 42.67	24.56 26.26 28.04 29.89 31.81 33.81 35.89 38.04 40.26	26.52 28.26 30.07 31.96 33.92 35.96 38.07 40.26	28.56 30.33 32.18 34.11 36.11 38.18 40.33	30.67 32.48 34.37 36.33 38.37 40.48	32.85 34.70 36.63 38.63 40.70	35.11 37.00 38.96 41.00 43.11	37.44 39.37 41.37 43.44	39.85 41.81 43.85 45.96	
7 8 9 10 11 12 13 14 15 16 17 18	22.48 24.18 25.96 27.81 29.74 31.74 33.81 35.96 38.18 40.48 42.85 45.30	24.33 26.07 27.89 29.78 31.74 33.78 35.89 38.07 40.33 42.67	26.26 28.04 29.89 31.81 33.81 35.89 38.04 40.26	28.26 30.07 31.96 33.92 35.96 38.07 40.26	39.33 32.18 34.11 36.11 38.18 40.33	32.48 34.37 36.33 38.37 40.48	34.70 36.63 38.63 40.70	37.00 38.96 41.00 43.11	39.37 41.37 43.44	41.81 43.85 45.96	
8 9 10 11 12 13 14 15 16 17 18	24.18 25.96 27.81 29.74 31.74 33.81 35.96 38.18 40.48 42.85 45.30	26.07 27.89 29.78 31.74 33.78 35.89 38.07 40.33 42.67	28.04 29.89 31.81 33.81 35.89 38.04 40.26	30.07 31.96 33.92 35.96 38.07 40.26	32.18 34.11 36.11 38.18 40.33	34.37 36.33 38.37 40.48	36.63 38.63 40.70	37.00 38.96 41.00 43.11	41.37 43.44	41.81 43.85 45.96	
9 10 11 12 13 14 15 16 17 18	25.96 27.81 29.74 31.74 33.81 35.96 38.18 40.48 42.85 45.30	27. 89 29. 78 31. 74 33. 78 35. 89 38. 07 40. 33 42. 67	29.89 31.81 33.81 35.89 38.04 40.26	31.96 33.92 35.96 38.07 40.26	34.11 36.11 38.18 40.33	36.33 38.37 40.48	38.63 40.70	41.00 43.11	43.44	45.96	ŀ
10 12 13 14 15 16 17	27.81 29.74 31.74 33.81 35.96 38.18 40.48 42.85 45.30	29.78 31.74 33.78 35.89 38.07 40.33 42.67	31.81 33.81 35.89 38.04 40.26	33.92 35.96 38.07 40.26	36.11 38.18 40.33	38.37 40.48	40.70	43.11			
12 13 14 15 16 17	29.74 31.74 33.81 35.96 38.18 40.48 42.85 45.30	31.74 33.78 35.89 38.07 40.33 42.67	33.81 35.89 38.04 40.26	35.96 38.07 40.26	38.18 40.33	40.48	1997	100	45.59	48.15	8.
12 13 14 15 16 17	31.74 33.81 35.96 38.18 40.48 42.85 45.30	33.78 35.89 38.07 40.33 42.67	35.89 38.04 40.26	38.07 40.26	40.33		10				91
12 13 14 15 16 17	31.74 33.81 35.96 38.18 40.48 42.85 45.30	33.78 35.89 38.07 40.33 42.67	35.89 38.04 40.26	38.07 40.26	40.33		42.85	45.30	47.81	50.41	
13 14 15 16 17 18	33.81 35.96 38.18 40.48 42.85 45.30	35.89 38.07 40.33 42.67	38.04 40.26	40.26		42.67	45.07	47.56		52.74	
14 15 16 17 18	35.96 38.18 40.48 42.85 45.30	38.07 40.33 42.67	40.26		42.56		47.37		52.48	55.15	
16	38.18 40.48 42.85 45.30	40.33 42.67			44.85	47.26	49.74			57.63	
16	$\begin{array}{c} 40.48 \\ 42.85 \\ 45.30 \end{array}$	42.67		44.85	47.22	49.67	52.18	54.78	57.44	60.18	A
17	$\frac{42.85}{45.30}$	10000000	44.92	47.26	49.67	34.57.01	54.70	100000	100000	Section .	
18	45.30	45.07	47.37	49.74	52.18	54.70	57.30	59.96	62.70	62.81	
-		47.56	49.89	52.30	54.78	57.33	59.96	62.67	65.44	68.30	
9		50.11	52.48	54.92	57.44	60.04	62.70	65.44	68.26	71.15	4
20	47.81 50.41	52.74	55.15	57.63	60.18	62.81	65.52	68.30		74.07	
- 1	A STATE OF	Lat. 25 (20)	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1-4-6	1000	Complete 1	400 100 1	1000	1935.30	1000	т.
21	53.07	55.44	57.89	60.41	63.00		68.41	71,22	74.11	77.07	
23	55.81	58.22	60.70	63.26	65.89	68.59	71.37	Comment of the last	77.15	80.15	
24	58.63	61.07	63.59	66.18	68.85		74,41	77.30		83.30	
25	61.52	64.00	66.56	69.18	71.89	74.67	77.52	80.44	83.44	86.52	
- 1	64.48	100 DOM:	69.59	72.26	75.00	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	80.70	83.67	86.70	89.81	П
26	67.52	70.07	72.70	75.41	78.18	81.04	83.96	86.96	90.04	93.18	
27	70.63	73.22	75.89	78.63	81.44	84.33	87.30	90.33		96.63	
85	73.81	76.44	79.15	81.92	84.78	87.70	90.70			100.15	
29	77.07	79.74	82.48	85.30	88.18	U Y IN BU	94.18		100.48		
30	80.41	83.11	85.89	88.74	91.67	94.67	97.74	100.89	104.11	107.41	3
31	83.81	86.56	89.37	92.26	95.22	98.26	101.37	104.56	107.81	111.15	8
32	87.30	90.07	92.92	95.85	98.85	101.92	105.07	108.30	111.59	114.96	18
33	90.85	93.67	96.56			105.67					
34	94.48					109.48					
35	98.18	101.07	104.04	107.07	110.18	113.37	116.63	119.96	123.37	126.85	8
36	101.96	104.89	107.89	110.96	114.11	117.33	120.63	124.10	127.44	130.96	3
37	105.81	108.78	111.81	114.92	118.11	121.37	124.70	128.11	131.59	135.15	13
		112.74									
39	113.74	116.78	119.89	123.07	126.33	129.67	133.07	136.56	140.11	143.74	3
10	117.81	120.89	124.04	127.26	130.56	133.92	137.37	140.89	144.48	148, 15	4
11	121.96	125.07	128.26	131.52	134.85	138.26	141.74	145.30	148.92	152 63	1
-		129.33									
		133.67									
		138.07									
		142.56									
	200 100	147.11	72 7 600	C. C. C. C. I		23/17/2014		100 miles 100 miles		1200 1100	
		151.74									
		156.44									
9	157.81	161.22	164 70	168 96	171 89	175 59	179 37	183 99	187 15	191 15	Į,
		166.07									
1	11	12	13	14	15	16	17	18	19	20	1

#### TABLE XXXVII.-BASE 40.-SLOPES 3 to 1.

Feet	21	22	23	24	25	26	27	28	29	30	Feet.
0	31.89	34.22	36.63	39.11	41.67	44.30	47.00	49.78	52.63	55.56	1
1	33.44	35.81	38.26	40.78	43.37	46.04	48.78	51.59	54.48	57.44	1
2	35.07	37.48		42.52	45.15	47.85		53,48	56.41	59.41	2
3	36.78	39.22	41.74	44.33	47.00	49.74	52.56	55.44	58.41	61.44	1
4	38.56	41.04	43.59	46.22	48.92	51.70	54.56	57.48	60.48	63.56	4
5	40.41	42.92	45.52	48.18	50.92	53.74	56.63	59.59	62.63	65.74	E
6	42.33	44.89	47.52	50.22	53.00	55.85	58.78	61.78	64.85	68.00	(
7	44.33	46.92	49.59	52.33	55.15	58.04	61.00	64.04	67.15	70.33	1
8	46.41	49.04	51.74	54.52	57.37	60.30	63.30	66.37	69.52	72.74	8
9	48.56	51.22	53.96	56.78	59.67	62.63	65.67	68.78	71.96	75.22	
10	50.78	53.48	56.26	59.11	62.04	65.04	68,11	71.26	74.48	77.78	10
11	53.07	55.81	58.63	61.52	64.48	67.52	70.63	73.81	77.07	80.41	11
12	55.44	58.22		64.00	67.00	70,07	73.22	76.44	79.74	83.11	
13	57.89	60.70	63.59	66.56	69.59	72.70	75.89	79.15	82.48		
14	60.41	63,26		69.18	72.26	75.41	78.63	81.92	85.80	88.74	14
15	63.00	65.89	100.00	71.89	75.00	78.18		84.78	88.18	91.67	
16	65.67	68.59	71.59	74.67	77.81	81.04	84.33	87.70	91.15	94.97	13-
17	68.41	71.37	74.41	77.52	80.70	83.96			94.18		
18	71.22	74.22		80.44	83.67	86.96		93.78		100.89	
19	74.11	77.15	80.26	83.44	86.70		93.44		100.48		
20	77.07	80.15	83.30	86.52	89.81	93.18			103.74		
21	V 100 C 100 C	83.22	2000	89.67	93.00	3.2000	K-15773-3	10.00	107.07	100	
	80.11		100	0.00000			103.22				
22	83.22		89.59	92.89			106.63				
23	86.41	89.59		96.18			110.11				
25	89.67 93.00	92.89 96.26					113.67				
	1201111-201	The second second			The state of the s	1000		400000000000000000000000000000000000000	The second second	100	
26	96.41	99.70	103,07	106.52	110.04	113.63	117.30	121.04	124.80	128.74	20
27	99.89	103.22	106.63	110.11	113.67	117.30	121.00	124. (8	120.00	102.00	20
28	103.44	106.81	110.26	113.78	117.37	121.04	100 00	120.00	196 41	140.41	20
29	107.07	110.48	113.96	101 00	105 00	100 74	199 50	198 44	140 41	144 44	21
			117.74	artistic of a second of				An April 1	1000		
31	114.56	118.04	121.59	125.22	128.92	132.70	136.56	140.48	144,48	148.56	3,
			125.52								
			129.52								
34	126.33	129,92	133.59	137.33	141,15	145.04	149.00	153.04	157.15	161.33	34
			137.74								
			141.96								
37	138.78	142.48	146.26	150.11	154.04	158.04	162.11	166.26	170.48	174.78	37
			150.63								
39	147.44	151.22	155.07	159.00	163.00	167.07	171.22	175.44	179.74	184.11	39
10	151.89	155,70	159.59	163,56	167.59	171.70	175.89	180.15	184.48	188.89	40
11	156.41	160.26	164.18	168.18	172.26	176.41	180.63	184.92	189.30	193.74	4
12	161.00	164.89	168.85	172.89	177.00	181.18	185.44	189.78	194.18	198.67	45
13	165.67	169.59	173.59	177.67	181.81	186.04	190.33	194.70	199.15	203.67	4:
14	170.41	174.37	178.41	182.52	186,70	190.96	195.30	199.70	204.18	208.74	4
15	175.22	179.22	183.30	187.44	191, 67	195,96	200.33	204.78	209.30	213.89	4
181	180.11	184, 15	188.26	192.44	196.70	201.04	205.44	209.92	214.48	219.11	4
7	185.07	189.15	193.30	197.52	201.81	206.18	210.63	215.15	219.74	224.41	
18	190.11	194.22	198.41	202.67	207.00	211.41	215,89	220,44	225.07	229.78	48
19	195.22	199.37	203.59	207.89	212.26	216.70	221.22	225.81	230.48	235.22	4
50	200.41	204.59	208,85	213.18	217.59	222.07	226.63	231,26	235,96	240.74	5
-	21	22	-							- 500	-

2 B

185



Feet	31	32	33	34	35	36	37	38	39	40	Feet.
0	58.56	61.63	64.78	68.00	71.30	74.67	78.11	81.63	85.22	88.89	
1	60.48	63.59	66.78	70.04	73.37	76.78	80.26	83.81	87.44	91.15	
2	62.48	65.63	68.85	72.15	75.52	78.96	82.48	86.07		93.48	
3	64.56	67.74	71.00	74.88	77.74	81.22	84.78	88.41		95.89	
4	66.70	69.92	73.22	76.59	80.04			90.81	94.56	98.37	
5	68.92	72.18	75.52	78.92	82.41	85.96		93.30		100.92	
6	71.22	74.52	77.89	81.33	84.85	88.44	US 200	95.85	2000	103.56	10
7	78.59	76.92	80.33	83.81	87.87	200			25.50	106.26	1
8	76.04	79.41	82.85	86.37	89.96	1 2 7 2 7 2 7 2 7 2 7 2 7 2 7 2 7 2 7 2	1 2 2 2 2 2			109.04	
9	78.56	122	( Carrier 1970)	89.00	- N. C. W. C.	Charles a Sales of	100.11		No. 100 To See See	12.7.5	1.7
10	81.15	84.59	88.11	91.70	100	122455	102.92				
631	15.00	=	12 Y 12 C	100000	No. of the last	100 C	0.000	100000000000000000000000000000000000000	0.000		1
11	83.81	87.30		94.48			105.81				
12	86.56	90.07	93,67				108.78				
13	89.37	92.92					111.81				
14	92.26						114.92				
15	95.22	98.85	102.56	106.33	110.18	114.11	118,11	122.18	126.33	130.56	1.
16	98.26	101.92	105.67	109,48	113.37	117.33	121.37	125.48	129,67	133.92	1
17	101.37	105.07	108.85	112.70	116.63	120.63	124.70	128.85	133.07	137.37	1
							128, 11				
19	107.81	111.59	115.44	119.37	123.87	127.44	131.59	135,81	140.11	144.48	1
							135.15				
91	114 56	118 41	199 33	196 99	130 41	194 56	138.78	142 07	147 44	151 90	9
							142,48				
25	195 99	190 18	129 99	197 99	141 59	145 70	146, 26 $150, 11$	151 50	150 00	100.00	Z
							154.04				
100		COMPANY COLD	13 3 3 3 1 1	13.00 102.1	April 1997	S 32 30 3	100000	0.0000000		30.01.00	13
							158,04				
							162.11				
							166, 26				
							170.48				
30	148.56	152.74	157.00	161.33	165.74	170, 22	174.78	179.41	184.11	188.89	3
31	152.70	156.92	161.22	165.59	170.04	174.56	179.15	183.81	188.56	193.37	3
							183.59				
							188.11				
34	165.59	169.92	174.33	178,81	183.37	188.00	192.70	197.48	202.33	207.26	3
35	170.04	174.41	178.85	183.37	187.96	192.68	197.37	202.18	207.07	212.04	3
64	5.0	300000000000000000000000000000000000000	255 100	3.77.77.77			202.11		77.	11.5	
							206.92				
							211.81				
							216.78				
							221.81				
		100 TO 100 TO 1	100000000000000000000000000000000000000	Comments.						C. 77 C. 1	
							226,92				
							232.11				
							237.37				
							242.70				
-1	A COLUMN	100000	100 th 100		V 1000 100	W. SALANDO	248, 11	200000	0.000	0.000000	1
16	223,81	228,59	233,44	238,37	243.37	248.44	253.59	258,81	264.11	269.48	4
							259.15				
							264.78				
49	240.04	244.92	249,89	254.92	260.04	265.22	270.48	275.81	281.22	286.70	4
							276.26				
-	-		-		-	-	-	_			-
- 1	31	32	33	34	35	36	37	38	39	40	1

TABLE XXXVII.—BASE 40.—SLOPES 3 to 1.

Feet.	41	42	43	44	45	46	47	48	49	50	Feet.
0	92.63	96.44	100.33	104.30	108.33	112.44	116,63	120.89	125.22	129.63	0
1	94.92		102.70								
2			105.15								
3			107.67								
5			110.26 $112.92$								
	Wall Control	100	0.000		A	P. Y		372000			5
			115.67 $118.48$								6 7
			121.37								
			124.33								
10	118.92	123.11	127.37	131,70	136.11	140.59	145.15	149.78	154.48	159.26	10
11	121.96	126.18	130.48	134,85	139.30	143.81	148,41	153.07	157.81	162.63	11
			133.67								
			136.92								
			140.26 $143.67$								
75	1000	A700 A76	N.C. A.C. 1.2.3	March and		4 7 7 7 7 7 7	200 B W. A	27.30		7 7 7 7 7 7	
			147.15 150.70								
			154.33								
			158.04								
			161.81								
21	156.41	161.00	165.67	170.41	175.22	180.11	185.07	190.11	195.22	200,41	21
			169.59								
			173.59								
			177.67 181.81								
7.	200	10000	District Control		100	100					1
			186.04 $190.33$								
			194.70								
			199.15								
30	193.74	198.67	203.67	208,74	213,89	219.11	224,41	229.78	235.22	240.74	30
31	198.26	203.22	208.26	213.37	218.56	223.81	229, 15	234.56	240.04	245.59	31
32	202.85	207.85	212.92	218.07	223,30	228.59	233.96	239,41	244.92	250.52	32
			217.67								
-			222.48				and the second second				100
	0.0000		227.37	K (25.30.00)		10 20 10 10	of commende	100 F 100 J	and Control of		
			232,33 237,37								
			242.48								
			247.67								
			252.92								
41	247.52	252.85	258.26	263.74	269.30	274.92	280.63	286.41	292.26	298.18	41
			263.67								
			269.15								
			274.70								
- 1	CO. 100	77.00	280.33		10000			of the latest	and the second	No. 10 Po. 10	
			286.04								
			291.81 $297.67$								
			303.59								
			309.59								
ī	41	42	43	44	45	46	47	48	49	50	1

TABLE XXXVIII.—BASE 40.—SLOPES 31 to 1.

Feet	1	2	3	4	5	6	7	8	9	10	Peet.
0	0.78	1,65	2.61	3.65	4.78	6.00	7.80	8.69	10.17	11.73	0
1	1.61	2.53	3.53	4.61	5.78	7.04	8.39	9.82	11.34	12.94	1
2	2.53	3.48	4.53	5.65	6.87	8.17	9.56	11.04	12.60	14.25	2
3	3.53	4.53	5.61	6.78	8.04	9.39	10.82	12.34	13.94	15.64	3
4	4.61	5.65	6.78	8,00	9.30	10.69	12.17	13.73	15.38	17.11	4
5	5.78	6.87	8.04	9.30	10.65	12.08	13.60	15.20	16.90	18.67	5
6	7.04	8.17	9.39	10.69	12.08	13.56	15.12	16.77	18.50	20.32	6
7	8.39	9.56	10.82	12.17	13.60	15.12	16.72	18.41	20,19	22.06	
8	9.82	11.04	12.34	13.73	15.20	16.77	18.41	20.15	21.97	23.88	
10	11.34	12.60	13.94	15.38	16.90	18.50	20.19	21.97	23,83	25.78	
	12.94	14.25	15.64	17.11	18.67	20.32	22.06	23.88	25.78	27.78	
11	14.64	15.98	17.41	18.93	20.54	22.23	24.01	25.87	27.82	29.86	
$\frac{12}{13}$	16.41	17.80	19.28	20.84	22.49 24.53	24.22 26.30	26.04	27.95 30.12	29.94	32.02	
14	18.28 20.23	19,71 $21,70$	$21.23 \\ 23.27$	22.83 24.91	26.65	28.47	28.17 30.38	32.37	32.15 34.45	34.28 36.62	
15	22.27	23.78	25.39	27.08	28.86	30.72	32.67	34.71	36.83	39.04	
16	24.39	450000	100000	29.33	31.15	33.06	85.06	37.14	39.30	41.56	
17	26.60	25.95 28.20	27.60 29.90	31.67	33.54	35.49	37.52	39.65	41.86	44.15	
18	28.90	30.54	32.28	34.10	36.01	38.00		42.25	44.50	46.84	
19	31.28	32.97	34.75	36.61	38.56	40.60	42.72	44.93	47.23	49.61	
20	33.75	35.48	37.30	39.21	41.20	43.28	45.45	47.70	50.04	52.47	
21	36.30	38.08	39.94	41.90	48.93	46.06	48.27	50.56	52.94	55.41	
22	38.94	40.77	42.67	44.67	46.75	48.91	51.17	53.51	55.93	58.44	
23	41.67	43.54	45.49	47.52	49.65	51.86	54.15	56.54	59.01	61.56	
24	44,49	46,40	48.39	50.47	52.64	54.89	57.28	59.65	62.17	64.77	24
25	47.89	49.34	51.38	53.50	55.71	58.01	60.39	62.86	65.41	68.06	25
26	50.38	52.37	54.45	56.62	58.87	61.21	63.64	66.15	68.75	71.43	26
27	53,45	55.49	57.61	59.82	62.12	64.50	66.97	69.52	72.17	74.90	
28	56.61	58.69	60.86	63.11	65.45	67.88	70.39	72.99	75.67	78.44	
29	59.86	61.98	64.19	66.49	68.87	71.34	73.90	76.54	79.27	82.08	
30	63.19	65,86	67.61	69.95	72.38	74.89	77.49	80.17	82.94	85.80	30
31	66,61	68,82	71.12	73.50	75.97	78.52	81.17	83.90	86.71	89.61	-
32	70.12	72.87	74,71	77.14	79.65	82.25	84.93	87.70	90.56		
33	78.71	76.01	78.39	80.86		86.06	1000	91.60	94.50		
34	77.39 81.15	79.73 83.54	82.15 86.01	84.67	87.27 91.20	89.95 93.93	92.72	95.58		101.56	
35		25-1-4	93	88.56	U45/00026	PART 32	96.75	2007-0-00	102.64		
36	85.01	87.43	89.94	92.54			100.86				
37 38	88.94 92.97	91.41 95.48	93.97	96.61			105.06 $109.34$				
39	97.08						113.71				
							118.17				
000	the state of the state of	street are be	Fr. Rev. School of		Application of the second	10000 700	122.71	the state of the state of		12200 500	
							127.34				
							132.06				
							136.86				
							141.75				
46	128.28	131.14	134.08	137.11	140.23	143.43	146.72	150.10	153.56	157.11	46
							151.78				
							156.93				
							162.17				
50	148.01	151.04	154.15	157.36	160.65	164.02	167.49	171.04	174.67	178.39	50
	1	2	3	4	5	6	7	8	9	10	Γ

TABLE XXXVIII.—BASE 40.—SLOPES  $3\frac{1}{2}$  to 1.

Feet	11	12	13	14	15	16-	17	18	19	20	Feet.
0	13.38	15.11	16.93	18.84	20.83	22.91	25.08	27.33	29.67	32.10	0
1	14.64	16.41	18.28	20.23	22.27	24.39	26.60	28.90	31,28	33.75	1
2	15.98	17.80	19.71	21.70	23.78	25.95	28.20	30.54	32.97	35.48	2
3	17.41	19.28	21.23	23.27	25.39	27.60	29.90	32.28	34.75	37.30	3
4 5	18,93	20.84 22.49	22.83 24.53	24.91 26.65	27.08 28.86	29.33 31.15	31.67 33.54	34.10 36.01	36.61 38.56	39.21	4
- 1	20.54	40.00	-		1000		10.35	1000	1000	41.20	5
6	22.23 24.01	$24.22 \\ 26.04$	26.30 $28.17$	28.47	30.72 32.67	33.06 35.06	35.49 37.52	38.00	$40.60 \\ 42.72$	43.28	6
8	25.87	27.95	30.12	32.37	34.71	37.14	39.65	40.08 $42.25$	44.93	45.45	
9	27.82	29.94	32.15	34.45	36.83	39.30	41.86	44.50	47.23	50.04	9
10	29.86	32.02	34.28	36.62	39.04	41.56	44.15	46.84	49.61	52.47	
11	31.98	34.19	36.49	38.87	41.34	43.90	46.54	49.27	52.08	54.98	
12	34.19	36.44	38.78	41.21	43.72	46.32	49.01	51.78	54.64	57.58	1
13	36.49	38.78	41.17	43.64	46.19	48.83	51.56	54.38	57.28	60.27	18
14	38.87	41.21	43.64	46.15	48.75	51.43	54.20	57.06	60.01	63.04	
15	41.34	43.72	46.19	48.75	51.39	54.12	56.93	59.88	62.82	65,90	15
16	43.90	46.82	48.83	51.43	54.12	56.89	59.75	62.69	65.72	68.84	
17	46.54		51.56	54.20	56.93	59.75	62.66	65.64	68.71	71.87	
18	49.27 52.08	51.78	54.38	57.06	59.83	62.69	65.64	68.67	71.78	74.99	
$\frac{19}{20}$	54.98	54.64 57.58	57.28 60.27	60.01 63.04	62.82 65.90	68.84	68.71 71.87	71.78 $74.99$	74.94 78.19	78.19 81.48	
21	1000000	A STATE OF THE PARTY OF THE PAR	14-04 (0.4)		DERMANDADA	72.04	100 100 1	100		10.76.00	
22	57.97 61.04	60.61 63.73	63.34 66.50	66.15 69.36	69.06 72.30	75.33	75.12 78.45	78.28 81.65	81.52 84.94	84.86 88.32	
23	64.20	66.93	69.75	72.65	75.64	78.71	81.87	85.12	88.45	91.87	
24	67.45	70.22	73.08	76.02	79.06		85.38	88.67	92.04		
25	70.78	73.60	76.50	79.49	82.56	85.72	88,97	92.30	95.72	99.23	
26	74.20	77.06	80.01	83.04	86.15	89.36	92.65	96.02	99.49	103.04	26
27	77.71	80.61	83.60	86.67	89.83				103.34		
28	81.30	84.25	87.28	90.39	93.60	96.89	100.27	103.73	107.28	110.91	28
29	84.98	87.97	91.04	94.20			104.20				
30	88.75	91.78	94.89	98.10	101.39	104.77	108.23	111.78	115.41	119.14	30
31	92.60	900 00					112.34				
32			102.86								
	100.56										
	104.67 108.87										
	1 / American	1.000 20	Control of the second	The second second	1000 0000	100 miles	100000000000000000000000000000000000000	100000000000000000000000000000000000000	1000000	Andrew Street	
	113.15 $117.52$										
	121.98										
	126.52										
	131,15										
41	135.87	139.38	142.97	146,65	150.42	154.26	158, 20	162.23	166.34	170.54	41
	140.67										
	145.56										
	150.54										
45	155.60	159.28	163.04	166.89	170.83	174.86	178.97	183,17	187.45	191.82	45
	160.75										
	165.98										
	171.30										
	176.71										
90	182.20	100.10	190.08	194. 15	190.50	202.54	200.87	211.28	210,78	220.37	00
	11	12	13	14	15	16	17	18	19	20	

## TABLE XXXVIII.—BASE 40.-SLOPES 31 to 1.

Peet	21	22	23	24	25	26	27	28	29	30	Pool
0	34.61	87.21	39.90	42.67	45.52	48.47	51.50	54.62	57.82	61.11	
1	36.30	38.94	41.67	44.49	47.39	50.38	58.45	56.61	59.86	63.19	
2	38.08	40.77	43,54	46:40	49.34	52.37	55.49	58.69	61.98	65.36	
3	39.94	42.67	45.49	48.39	51.38	54.45	57.61	60.86	64.19	67.61	ı.
4	41.90	44.67	47.52	50.47	53.50	56.62	59.82	63.11	66.49	69.95	
5	43.98	46.75	49.65	66 64	55.71		62.12	65.45	68.87	72.38	
6	46.06	48.91	51.86	54.89	58.01	61.21	64.50	67.88	71.34	74.89	
7	48.27	51.17	54.15	57.23	60.39	63.64	66.97	70.39	78.90	77.49	ı
8	50.56	100000000000000000000000000000000000000	56.54			66.15	69.52	72.99	76.54	80.17	1
9	52.94	55.98	59.01	62.17	65.41	68.75	72.17	75.67	79.27	82.94	1
10	55.41	58.44	61.56		68.06		74.90	78.44	82.08	85.80	1
11	57.97	61.04	64.20	67.45	70.78	74.20	77.71	81.30	84.98	88.75	1
12	60.61	63.73						84.25	87.97		
13	63.34	66.50						87.28			
14	66.15	69.36	72.65					90.39			
15	69.06	72.30	Total Control				89.83	93.60		101.39	
7.0	100000000000000000000000000000000000000	75.88	78.71	82.17	1.00 (10)	1000	1000000		WW Share	104.77	r.
16	72.04									108.23	
17	75.12	78.45 81.65	81.87 85.12							111.78	
18	78.28	84.94	88.45	16 July 55 5						115.41	
19	81.52		91.87							119.14	
20	84.86	40.000	100000	10.75.75			1000	P. Annual Control	Contract Contract	200	1
21	88.28	91.78								122.94	
22	91.78									126.84	
23										130.82	
24										134.89	
	ALL ROPE ACCOUNTS	14 A A A YeA	N 4 1 1 1 1 1	the second	a fundamental by	7-10	According to	and the second	Martin Comment	139.04	
										143,28	
										147.61	
										152.02	
29	118.75	122.60	126.54	130.56	134.67	138.87	143.15	147.52	151.98	156.52	2
30	122.94	126,84	130.82	134,89	139.04	143,28	147.61	152.02	156.52	161.11	3
31	127.23	131.17	135.19	139.30	143.50	147.78	152.15	156.61	161.15	165.78	3
										170.54	
										175.39	
										180.32	
										185.34	
		1000				100000			11 32 11 16 1	190.44	ш.
										195.64	
38	159.64	163.88	168.20	172.62	177.12	181.70	186.38	191.14	195.98	200.91	3
39	164.61	168.89	173.26	177.72	182.26	186.89	191.61	196.41	201.30	206.28	3
										211.73	
										217.26	
19	180 05	184 47	188 97	198 55	198 99	202 99	207.83	212.76	217.78	222.89	1
42	185 99	189 89	194 29	199 01	208 79	208 59	213 41	218 39	223 45	228.60	1
										234.39	
										240.28	
	A	11.1.2.2.2.2.2.	11 12 12 12 12 12 12 12	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	the same of the	Apr. 18. 19. 19	Company of the	N	A remainder of the	100000000000000000000000000000000000000	
46	201.86	206, 44	211.12	215.88	220.72	220.65	200.67	200.78	240,97	246.25	ľ
47	207.52	212.15	216.87	221.67	226.06	201.04	249 61	947 90	259 00	252.30	1
28	213.28	217.95	222.71	227.00	202.49	949 50	042.01	252 04	250.08	258.44	C
										264.67 270.99	
00	-20.04	223.00	201.00	200.00	-11.00	210.70	201.00		-50.51	-14.00	Ľ
- 1	21	22	23	24	25	26	27	28	29	30	ı

Peet	31	32	33	34	35	36	37	38	39	40	Feet.
0	64.49	67.95	71.50	75.14	78.86	82.67	86.56	90.54	94.61	98.77	-
1	66.61	70.12	78.71	77.39	81.15	85.01	88.94			101.28	
2	68.82	72.37	76.01	79.78	83.54				99.64	103.88	1
3	71.12	12020 0 4 4	78.39	82.15	86.01		93.97		102,28		
4	73.50	The second	80.86	84.67	88.56	100000000000000000000000000000000000000			105.01		
5	75.97	79.65	130000	87.27	91,20	1100000		Constant	107.82	0.00	100
6	78.52	2.00		89,95	93.93		102.15				
7	81.17	84.93				100.86					
8 9	83.90 86.71					103.80					
10	89.61	90.56				106.83 109.95					
7.7			5000 Ja	Color Sylve	control del		4 Car 35	1/2000000	The second second second	The party of the said	1
11	92.60					113.15					
12 13	95.67	102.86				116.44					
		106.15									
		109.52									
2011		112.99	10100-10100			CC 25 CC 1	A 200 DOM:		100000000000000000000000000000000000000	100	1
		116.54									
		120.17									
		123.89									
		127.70									
200	and the second	131.51		annual Notes	10.000 10.00	COTTO STORY	126 1	F-64 74 1	1 5 TO 1 1 1		
		135.58									
23	135.19	139.65	144.19	148.82	153.54	158.34	163.28	168. 20	173 96	178 41	2
24	139.30	143.80	148.39	153.06	157.82	162.67	167.60	172.62	177.72	182.91	2
25	143.50	148.04	152,67	157.39	162.19	167.08	172.05	177.12	182.26	187.50	2
200		152.37	1000 1000	555 77	1000			17	Control of the control	17	1
		156.78									
		161.28									
		165.87									
		170.54									
31	170.50	175.30	180.19	185.17	190.23	195.38	200.61	205.98	211.34	216.88	2
		180.15									
		185.08									
		190.10									
35	190.28	195.20	200.26	205.41	210.65	215.97	221.38	226.87	232.45	238, 12	3
36	195.38	200.39	205.50	210.69	215.97	221.33	226.78	232.32	237.94	243.65	3
		205.67									
		211.04									
		216.49									
40	216.83	222.02	227.30	232.67	238.12	243.65	249.28	254.99	260.78	266.67	41
41	222.41	227.65	232.97	238.38	243.87	249.45	255.12	260.87	266.71	272.63	4
		233.36									
		239.15									
		245.04									
5.1	E 50 Phy	251.01		100000	1.50	1.00		100000000000000000000000000000000000000	200		
		257.06									
		263.20									
		269.43									
		275.75 282.15									
-	-10.02		201.00	200.00	200.04	000.00	011.00	511.10	020,00		-
	31	32	33	34	35	36	37	38	39	40	

## TABLE XXXVIIL-BASE 40,-SLOPES 31 to 1.

Fret.	41	42	43	44	45	46	47	48	49	50	Feet.
0	103.01	107.33	111.75	116.25	120.83	125.51	130.27	135.11	140.04	145.06	1
							133.08				
							135.98				1
							138.97 142.04				
							145.20				
6	119.64	124.22	128.89	133.65	138.50	143.43	148.45	153.56	158.75	164.02	
							151.78				1
							155.20 158.71				
										178.39	
	N. 102.00	AT JENN		C. C	1.44 6 17	I work at a	in the second	5 295 157 1	Harrison Street	182.20	1
										186.10	
										190.08	
										194.15 198.30	
m		10000	4.50 2704	1.76			The state of the state of	1000	100	202.54	
										206.87	
										211.28	
										215.78	
	M. 17. 12.00	A COUNTY OF A	the state of the state of	harden and a	W V 1 115 115 115 115 115 115 115 115 115	V-9-32-31-1	the second second	Property Control	M. A	220.37	
										225.04	
										229.80 234.65	
										239.58	
25	192.82	198.23	203.72	209.30	214.97	220.72	226.56	232,49	238.50	244.60	2
										249.70	
										254.89	
										260.17 265.54	
										270.99	
31	222.41	228.08	233.83	239.67	245.60	251.61	257.71	263.89	270.17	276.52	3
12	227.65	233.36	239.15	245.04	251.01	257.06	263,20	269.43	275.75	282.15	3
										287.86	
										293.65 299.54	
	200		Assert Control		12.20mm of	100 m (100)	The same of	CONTROL OF	0 - 0 - 0	305.50	
										311.56	
38	260.87	266.84	272.89	279.04	285.26	291.58	297.98	304.47	311.04	317.70	3
										323.93	
- 1	Helm Links	A77. A44	100000		with the late of		10000 1000	10000		330.25	
										336.65 343.13	
										349.71	
4	297.20	303.43	309.75	316.15	322.63	329.21	335.87	342.62	349.45	356.37	4
5	303.56	309,83	316.19	322.63	329.17	335.78	342.49	349,28	356.15	363.12	4
										369.95	
										376.87	
										383.87 390.97	
	to the second		200	200	the second of the	the with 17 has the	the second of the self-		and the second	398.15	
	41	42	43	44	45	46	47	48	49	50	-

Feet.	1	2	3	4	5	6	7	8	9	10	Feet.
0	0.79	1.68	2.67	3.75	4.94	6.22	7.61	9.09	10.67	12.85	0
1	1.63	2.57	3,61	4.74	5.98	7.31	8.74	10.27	11.90	13.63	1
2	2.57	3.56	4.64	5.83	7.11	8.49	9.98	11.56	13.23	15.01	5
3	3.61	4.64	5.78	7.01	8.35	9.78	11.31	12.94	14.67	16.49	1
4	4.74	5.83	7.01	8.30	9.68	11.16	12.74	14.42	16,20	18,07	4
5	5.98	7.11	8.35	9.68	11.11	12.64	14.27	16.00	17.83	19.75	1
6	7.31	8.49	9.78	11.16	12.64	14.22	15.90	17.68	19.56	21.53	1
7	8.74	9.98	11.31	12.74	14.27	15.90	17.63	19.46	21.38	23.41	1
8	10.27	11.56	12.94	14.42	16.00	17.68	19.46	21.33	23.31	25.38	18
9	11.90	13.23	14.67	16.20	17.83	19.56	21.38	23.31	25.88	27.46	
10	13.63	15.01	16.49	18.07	19.75	21.53	23.41	25.38	27.46	29.63	10
11	15.46	16.89	18.42	20.05	21.78	23.61	25.53	27.56	29.68	31.90	11
12	17.38	18.86	20.44	22.12	23.90	25.78	27.75	29.83	32.00	34.27	15
13	19.41	20.94	22.57	24.30	26.12	28.05	30.07	32.20	34.42	36.74	18
14	21.53	23.11	24.79	26.57	28.44	30.42	32.49	34.67	36.94	39.31	14
15	23.75	25.38	27.11	28.94	30.86	32.89	35.01	37.23	39.56	41.98	18
16	26.07	27.75	29.53	31.41	33.38	35.46	-37.63	39.90	42.27	44.74	16
17	28.49	30.22	32.05	33.98	36.00	38.12	40.35	42.67	45.09	47.61	17
18	31.01	32.79	34.67	36.64	38.72	40.89	43.16	45.53	48.00	50.57	
19	33.63	35.46	37.38	39,41	41.58	43.75	46.07	48.49	51.01	53.63	19
20	36.35	38.22	40.20	42.27	44.44	46.72	49.09	51.56	54.12	56.79	20
21	39.16	41.09	43.11	45.23	47.46	49.78	52.20	54.72	57.33	60.05	2
22	42.07	44.05	46.12	48.30	50.57	52.94	55.41	57.98	60.64	63.41	29
23	45.09	47.11	49.23	51,46	53.78	56.20	58.72	61.33	64.05	66.86	23
24	48.20	50.27	52.44	54.72	57.09	59.56	62.12	64.79	67.56	70.42	
25	51.41	53.53	55.75	58.07	60.49	63.01	65.63	68.35	71.16	74.07	2
26	54.72	56.89	59.16	61.53	64.00	66.57	69.23	72.00	74.86	77.83	26
27	58.12	60.35	62.67	65.09	67.61	70.22	72.94		78.67	81.68	
28	61.63	63.90	66.27	68.74	71.31	73.98	76.74	79.60	82.57	85.63	28
29	65.23	67.56	69.98	72.49	75.11	77.83	80.64	83.56	86.57	89.68	29
30	68.94	71.31	73.78	76.35	79.01	81.78	84.64	87.60	90.67	93.83	30
31	72.74	75.16	77.68	80.30	83.01	85.83	88.74	91.75	94.86	98.07	31
32	76.64	79.11	81.68	84.35	87.11	89.98	92.94	96.00	99.16	102,42	35
33	80.64	83.16	85.78	88.49	91.31	94.22	97.23	100.35	103.56	106.86	38
34	84.74	87.31	89.98	92.74	95.60	98.57	101.63	104.79	108.05	111.41	3
35	88.94	91.56	94.27	97.09	100.00	103.01	106.12	109.33	112.64	116.05	38
36	93.23	95.90	98.67	101.53	104.49	107.56	110.72	113.98	117.33	120.79	36
37		100.35									
38		104.89									
39	106.72	109.53	112.44	115.46	118.57	121.78	125.09	128.49	132.00	135.60	39
40	111.41	114.27	117.23	120.30	123.46	126.72	130.07	133.53	137.09	140.74	4(
41	116.20	119.11	122.12	125.23	128.44	131.75	135.16	138.67	142.27	145.97	41
		124.05									
43	126.07	129.09	132.20	135.41	138.72	142.12	145.63	149.23	152.94	156.74	4:
		134.22									
		139.46									
46	141.63	144.79	148.05	151.41	154.86	158.42	162.07	165.83	169.68	178.63	4
		150.22									
		155.75									
		161.38									
		167.11									
-		-	-	_	100.00						-
	1	2	3	4	5	6	7	8	Q	10	

198 2 0

Fred	11	12	13	14	15	16	17	18	19	20	Feet.
0	14.12	16.00	17.98	20.05	22.22	24.49	26.86	29.33	31.90	34.57	-
1	15.46	17.38	19,41	21.53	23.75	26.07	28.49	31.01	33.63	36.35	1
2	16.89		20.94	23.11	25.38		30.22	32.79	35.46	38.22	3
3	18.42	20,44	22.57	24.79	27.11	29.53	32.05	34.67	37.38	40.20	1
4	20.05	22.12	24.30	26.57	28.94	31.41	33.98	36.64	39.41	42.27	18
5	21.78	23.90	26.12	28.44	30.86	33.38	36.00	38.72	41.53	44.44	1
6	23.61	25.78	28.05	30.42	32.89	35.46	38.12	40.89	43.75	46.72	1
7	25.53	27.75	30.07	32.49	35.01	37.63	40.35	43.16	46.07	49.09	
8	27.56	29.83	32.20	34.67	37.23	39.90	42.67	45.53	48.49		
9	29.68	32.00	34.42	36.94			45.09	48,00	51.01	54.12	1
10	31.90	34.27	36.74	39.31	41.98	44.74	47.61	50.57	53,63	56.79	10
11	34.22	36.64	39.16	41.78	44.49	47.31	50.22	53.23	56.35	59.56	11
12	36.64	39.11	41.68	44.35	47.11	49.98	52.94	56.00		62.42	
13	39.16	41.68	44.30	47.01	49.83	52.74	55.75	58.86		65.38	
14	41.78	44.35	47.01	49.78	52.64	55.61	58.67	61.83	65.09	68.44	
15	44.49	47.11	49.83	52.64	55.56	58.57	61.68	64.89	68.20		
16	47.31	49.98	52.74	55.61	58.57	61.63	64.79	68.05	71.41	74.86	
17	50.22	52.94	55.75	58.67	61.68		68.00	71.31	74.72	78.22	
18	53.23	56.00	58.86	61.83	64.89	68.05	71.81	74.67	78.12	81.68	
19	56.35	59.16	62.07	65.09	68.20		74.72	78.12	81.63		1-
20	59.56	62.42	65.38	68.44	71.60		78.22	81.68	85.23		
21	62.86	65.78	68.79	71.90	25/10/00/00	78,42	81.83	85.33	88.94	1000	
22	66.27	69.23	72.30	75.46	78.72	82.07	85.53	89.09	92.74		
23	69.78	72.79	75.90	79.11	82.42		89.33	92.94			
24	73.38	76.44	79.60	82.86			93.23			100.44 104.49	
25	77.09	80.20		86.72	90.12	11.55.55.55		100.94			
26	80.89	84.05	120		2.5		Elban (4.5.2)	Maria Control	hand to be	1000	
27	84.79	88.00	87.31 91.31	90.67	94.12		101.33				
28	88.79	92.05	95.41			101.83					
29	92.89	96.20				106.07 $110.42$					
30		100,44									
100											
31	101.38	104.79	108.30	111.90	115.60	119.41	123,31	127.31	131,41	135.60	3
92	100.78	109.23	112.79	116.44	120.20	124.05	128.00	132.05	136.20	140.44	3:
94	110.27	113.78	117.38	121.09	124.89	128.79	132.79	136,89	141.09	145.38	3:
25	110.56	118.42	122.07	120,88	129.68	133.63	137.68	141.88	146.07	150.42	3
00	119.00	123.16	120.00	150.07	104.07	138.57	142.67	146.86	151.16	155.56	3
36	124.35	128.00	131.75	135.60	139.56	143.60	147.75	152.00	156.35	160.79	3
37	129.23	132.94	136.74	140.64	144.64	148.74	152.94	157.23	161.63	166.12	8
38	134.22	137.97	141.83	145.78	149.83	153.97	158.22	162.57	167.01	171.55	38
10	139.31	143.11	147.01	151.01	155.11	159.31	163.60	168,00	172.49	177.09	3
ŧυ	144.49	148.35	152.30	156.34	160.49	164.74	169.09	173.53	178.07	182.72	4
11	149.78	153.68	157.68	161.78	165.97	170.27	174.67	179.16	183.75	188,44	4
12	155.16	159.11	163.16	167.21	171.55	175.90	180.34	184.89	189.58	194.27	43
43	160.64	164.64	168.74	172.94	177.23	181.63	186.12	190.72	195.41	200.20	4:
14	166.22	170.27	174.42	178.67	183.01	187.46	192.00	196.64	201.38	206. 22	4
15	171.90	176.00	180.20	184.49	188.89	193.38	197.97	202.67	207.46	212.34	4
16	177.68	181.83	186.07	190.42	194.86	199.41	204.05	208.79	213.63	918 57	4
17	183.55	187.75	192.05	196.44	200.94	205.53	210.22	215.01	219.90	224 89	4
48	189.53	193.78	198.12	202.57	207.11	211.75	216.49	221 33	226 27	981 81	143
49	195.60	199.90	204.30	208.79	213.38	218.07	222.86	227.75	232.74	237 83	49
50	201.78	206.12	210.57	215.11	219.75	224.49	229.33	234.77	239.31	244.44	50
-		100.71	1.5	-	-	-			-		-
- 1	11	12	13	14	15	16	17	18	19	20	1

Foot.	21	22	23	24	25	26	27	28	29	30	Feet.
0	37.33		1						63.01		
1	39.16										
2 3	41.09										
4	45.23										
5	47.46									1	
6	49.78	52.94	56.20	59.56	63.01	66.57	70.22	73.98	77.88	81.78	3
7	52.20										
8	54.72										
9 10	57.33 60.05		1								
	62.86	1	I		ı	1				1	1
11 12	65.78									97.09 100.44	
13	68.79		1							103.90	
14	71.90	75.46	79.11	82.86	86.72	90.67	94.72	98.86	103.11	107.46	1
15	75.11	78.72	82.42	86.22	90.12	94.12	98.22	102.42	106.72	111.11	1
16	78.42									114.86	
17	81.83				97.23	101.33	105.53	109.83	114.22	118.72	1
18 19	85.38 88.94			100.64						122.67	
20	92.64		100.44								
21		l .	104.35	l .	l		1	1	I .	l .	1
			108.35								
23	104.35	108.35	112.44	116.64	120.94	125.33	129.83	134.42	139.11	143.90	2
			116.64								
- 1			120.94	i			l .	1		1	
			125.33								
			129.83 134.42								
			139.11								
			143.90								
31	189.90	144.30	148.79	153.38	158.07	162.86	167.75	172.74	177.83	183.01	3
			153.78								
			158.86								
			164.05 169.33								
- 1			l i			1			i	1	1
			174.72 $180.20$								
			185.78								
39	181.78	186.57	191.46	196.44	201.53	206.72	212.00	217.38	222.86	228.44	39
- 1			197.23			1	l	i	ı	ŀ	ı
			203.11								
			209.09								
			215.16 $221.33$								
			227.60								
			233.97								
			240.44								
48	236.44	241.68	247.01	252.44	257.97	263.60	269.33	275.16	281.09	287.11	48
			258.68								
00	z49.68	255.01	260.44	265.97	271.60	277.33	283.17	289.09	295.11 ———	301.23	50
—г											

Feet.	31	32	33	34	35	36	37	38	39 .	40	Feet.
0	70.42	74.27	78, 22	82.27	86.42	90.67	95.01	99.46	104.00	108.64	0
1	72.74	76.64	80.64	84.74			97.63				1
2	75.16	79.11	83.16	87.31	91.56		100.85				2
3	77.68	81.68 84.35	85.78 88.49	89.98 92.74	94.27		103.16				
5	83.01	87.11	91.31				109.99				
6	85.83	89.98	94.22				112.20	100000000000000000000000000000000000000	100000000000000000000000000000000000000	The same of	6
7	88.74	92.94					115.41				7
8	91.75		100.35								
9	94.86		103.56								
10	Contract Con	CC-7580	106.86	and the second		A STATE OF	No. of the last	16 v	Land to the second	10.000 (0.000)	
			110.27								
			113.78								
			117.38 $121.09$								
			124, 89								
		2 NO " W.	128.79	T. C. J.		2000	100		Table 1	The state of the	
			132.79								
			136.89								
			141.09								
20	135.60	140.44	145.38	150.42	155.56	160.79	166.12	171.55	177.09	182.72	20
21	139,90	144.79	149.78	154.86	160.05	165.33	170.72	176.20	181.78	187.46	21
			154, 27								
			158,86								
			163.55 168.35								
-	25000	200	1000000	40 700		2.9.9		0.000	100000000000000000000000000000000000000		1
			173.23								
			178.22 183.31								
			188.49								
			193.78								
31	188.30	193.68	199.16	204.74	210.42	216.20	222.07	228.05	234.12	240.30	31
32	193.68	199.11	204.64	210.27	216.00	221.83	227.75	233.78	239.90	246.12	32
			210.22								
			215,90								
	The second second	C. Tallit	221.68	200		A property of the second	- 4	The star Tables	A TOTAL PROPERTY.	- property	
			227.55								
			283.53								
			245.78								
			252.05								
			258.42				1000			and the same of the	100
			264.89								
43	259.41	265.38	271.46	277.68	283.90	290.27	296.74	303.31	309.97	316.74	43
			278.12								
45	272.64	278.71	284.89	291.16	297.53	304.00	310.57	317.23	324.00	330.86	45
			291,75								
			298.71								
			305.78 312.94								
			320.20								
-	0.		00	0.		0.0	-	90	20	40	-
	31	32	33	34	35	36	37	38	39	40	1

Feet	41	42	43	44	45	46	47	48	49	50	Feet.
0	113.38	118.22	123.16	128.20	133.33	138.57	143.90	149.33	154.86	160.49	-
		121.09									13
		124.05									3
		127.11									1
		130.27									1
5	128.44	133.53	138.72	144.00	149.38	154.86	160.44	166.12	171.90	177.78	1
6	131.75	136.89	142.12	147.46	152.89	158.42	164.05	169.78	175.60	181.53	1
7	135.16	140.35	145.63	151.01	156.49	162.07	167.75	173.53	179.41	185.38	1
8	138.67	143.90	149.23	154.67	160.20	165.83	171.55	177.38	183.31	189.33	
		147.56									
10	145.97	151.31	156.74	162.27	167.90	173.63	179.46	185.38	191.41	197.53	1
11	149.78	155.16	160.64	166.22	171.90	177.68	183.55	189.53	195.60	201.78	1
12	153.68	159.11	164.64	170.27	176.00	181.83	187.75	193.78	199.90	206.12	1
13	157.68	163.16	168.74	174.42	180.20	186.07	192.05	198.12	204.30	210.57	1
14	161.78	167.21	172.94	178.67	184.49	190.42	196.44	202.57	208.79	215.11	1
15	165,97	171.55	177.23	183.01	188.89	194.86	200.94	207.11	213.38	219.75	1
16	170.27	175.90	181.63	187.46	193.38	199.41	205.53	211.75	218.07	224.49	1
		180.34									
18	179.16	184.89	190.72	196.64	202.67	208,79	215.01	221.33	227.75	234.77	1
19	183.75	189.53	195.41	201.38	207.46	213.63	219,90	226.27	232.74	239.31	1
20	188.44	194,27	200.20	206.22	212.34	218.57	224.89	231.31	237.83	244.44	2
21	193.23	199.11	205.09	211.16	217.33	223.60	229.97	236.44	243.01	249.68	2
		204.05									
		209.09									
		214,22									
		219.46									
96	918 67	224.79	991 01	927 22	942 75	950 97	256 89	263 60	970 49	977 22	9
		230.22									
		235.75									
		241.38									
		247.11									
5."	C. C. Q. I	252.94	CAROLINA	C-10-00		Trible ( Build		Control of the control			1
		258.86		Programme and the second secon		E and the second	F 12 7 F 10 F 10		ALC: NO STATE OF THE PARTY OF T	70 0 10 0 0 0 0	1-
		264.89									
		271.01									
		277.23									
CA	78.3.4 0.5	283.55		T. A. A.						C 22 4 2 1	1
		289.97									
		296.49									
		303.11									
		309.83									
- 1	SEA11 - 1	216.64	22 × 00 2 3	4 CHO 354	arrive of artis	Comment of the Commen	A 4 6 TO			100000 1500	
		323.55									
		330.57									
		337.68									
7.0		344.89	AWA AA	Acres and the second		Action to the college		0000000	Sec. 200	1 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	
2.1			0.1107 601		Maria de la	0.00	100000			90.0000	1
		352.20									
		359.60									
		367.11 374.71									
		382,42									
_	-70,11		550,50		201.01	-12.01		.20.01	-30101		1
- 1	41	42	43	44	45	46	47	48	49	50	1

## TABLE XL.—BASE 50.—SLOPES 1 to 1.

Peet.	1	2	3	4	5	6	7	8	9	10	Feet.
0	0.94	1.90	2.89	3.90	4.94	6.00	7.09	8.20	9.33	10.49	1
1	1.89	2.86	3.86	4.89	5.94	7.01	8.11	9.24	10.38	11.56	
2	2.86	3.85	4.86	5.90	6.96	8.05	9.16	10.30	11.46	12.64	
3	3.86	4.86	5.89	6.94	8.01	9.11	10.24	11.38	12.56	13.75	
4	4.89	5.90	6.94	8.00	9.09	10.20	11.33	12.49	13.68	14.89	
5	5.94	6.96	8.01	9.09	10.19	11.31	12.46	13.63	14.83	16.05	
6	7.01	8.05	9.11	10.20	11.31	12.44	13.61	14.79	16.00	17.23	1
7	8.11	9.16	10.24	11.38	12.46	13.61	14.78	15.98	17.20	18.44	3
8	9.24	10.30	11.38	12.49	13,63	14.79	15.98	17.19	18.42	19.68	
9	10.38	11.46	12.56	13.68	14.83	16.00	17.20	18.42	19.67	20.94	И
10	11.56	12.64	13.75	14.89	16.05	17.23	18.44	19.68	20.94	22.22	1
11	12.75	13.85	14.98	16.12	17.30	18.49	19.72	20.96	22.23	23.53	1
12	13.98	15.09	16.22	17.38	18.57	19.78	21.01	22.27	23.56	24.86	1
13	15.22	16.35	17.49	18.67	19.86	21.09	22.33	23.61	24.90	26.22	1
14	16.49	17.63	18.79	19.98	21.19	22.42	23.68	24.96	26.27	27.61	1
15	17.79	18.94	20.11	21.31	22.53	23.78	25.05	26.35	27.67	29.01	1
16	19.11	20.27	21.46	22.67	23.90	25.16	26.44	27.75	29.09	30.44	1
17	20.46	21.63	22.83	24.05	25.30	26.57	27.86	29.19	30.53	31.90	
18	21.83	23.01	24.22	25.46	26.72	28.00	29.31	30.64	32.00	33.38	1
19	23.22	24,42	25.64	26.89	28.16	29.46	30.78	32.12	33.49	34.89	1
20	24.64	25.85	27.09	28.35	29.63	30.94	32.27	33.63	35,01	36.42	2
21	26.09	27.31	28.56	29.83	31.12	32.44	83.79	35.16	36.56	37.98	9
22	27.56	28.79	30.05	31.33	32.64	33.98	35.33	36.72	38.12	39.56	
23	29.05	30.30	31.57	32.86	34.19	85.58	36.90	38.30	39.72	41.16	
24	30.57	31.83	33.11	34.42	35.75	37.11	38.49	39.90	41.33	42.79	
25	32.11	33.38	84.68	36.00	37.35	38.72	40.11	41.53	42.98	44.44	
26	33.68	34.96	36.27	37.61	38.96	40.35	41.75	43.19	44.64	46.12	2
27	35.27	36.57	37.89	39.23	40.61	42.00	43.42	44.86	46.33	47.83	
28	36.89	38.20	39.53	40.89	42.27	43.68	45.11	46.57	48.05	49.56	
29	38.53	39.85	41.30	42.57	43.96	45.38	46.83	48.30	49.79	51.31	2
30	40.20	41.53	42.89	44.27	45.68	47,11	48.57	50.05	51.56	58.09	3
31	41.89	43.23	44.61	46.00	47.42	48.86	50.33	51.83	53.35	54.89	3
32	43.61	44.96	46.85	47.75	49.19	50.64	52.12	53.63	55.16	56.72	
33	45.35	46.72	48.11	49.53	50.98	52.44	53.94	55.46	57.00	58.57	
34	47.11	48.49	49.90	51.33	52.79	54.27	55.78	57.31	58.86	60.44	3
35	48.90	50.30	51.72	53.16	54.63	56.12	57.64	59.19	60.75	62.35	3
36	50.72	52.12	53.56	55.01	56.49	58.00	59.53	61.09	62.67	64.27	3
17	52.56	58.98	55.42	56.89	58.38	59.90	61.44	63.01	64.61	66.22	
8	54.42	55.85	57.31	58.79	60.30	61.83	63.38	64.96	66.57	68.20	3
39	56.31	57.75	59.22	60.72	62,23	63.78	65.35	66.94	68.56	70.20	3
10	58.22	59.68	61.16	62.67	64.20	65.75	67.33	68.94	70.57	72.22	4
1	60.16	61.63	63.12	64.64	66.19	67.75	69.35	70.96	72.60	74.27	4
2	62.12	63.61	65.11	66.64	68.20	69.78	71.38	73.01	74.67	76.35	
13	64.11	65.61	67.12	68.67	70.23	71.83	78.44	75.09	76.75	78.44	
14	66.12	67.63	69.16	70.72	72.30	73.90	75.53	77.19	78.86	80.57	
5	68.16	69.68	71.22	72.79	74.38	76.00	77.64	79.31	81.00	82.72	4
6	70.22	71.75	73.31	74.89	76,49	78.12	79.78	81.46	83.16	84.89	4
7	72.31	73.85	75.42	77.01	78.63	80.27	81.94	83.63	85.35	87.09	
18	74.42	75.98	77.56	79.16	80.79	82.44	84.12	85.83	87.55	89.31	
19	76.56	78.12	79.72	81.33	82.98	84.64	86.33	88.05	89.79	91.56	
50	78.72	80.30	81,90	83.53	85.19	86.86	88.57	90.30	92.05	93.83	
-	1	2	3	4	5	6	7	8	9	10	

## TABLE XL.-BASE 50.-SLOPES 1 to 1.

Peet.	11	12	13	14	15	16	17	18	19	20	Feet.
0	11.68	12.89	14.12	15.38	16.67	17.98	19.31	20.67	22.05	23.46	
1	12.75	13.98	15.22	16.49	17.79	19.11	20.46	21.83	23.22	24,64	
2	13.85	15.09	16.35	17.63	18.94	20.27	21.63	23.01	24.42	25.85	ŀ
3	14.98	16.22	17.49	18.79	20.11	21.46	22.83	24.22		27.09	1
4	16,12	17.38	18.67	19.98	21.31	22.67	24.05	25.46	26.89	28.35	
5	17.30	18.57	19.86	21,19	22.53	23.90	25.30	26.72	28.16	29.63	1
6	18.49	19.78	21.09	22.42	23.78	1000	26.57	28.00		30.94	1
7	19.72	21.01	22.33	23.68	25.05		27.86	29.31	30.78	32.27	
8	20.96	22.27	23.61	24,96	26.35		29.19	30.64		33,63	
9	22.23	23.56	24.90	26.27	27.67	29.09	30.53	32.00	The second second	35.01	
10	23.53	24.86	26.22	27.61	29.01	1000	31.90	33.38	100 JULY 1400	36.42	1
11	24.85	26.20	27.57	28.96	30.38	N 21.50 1 240	33.30	34.79	Marie San Carlo	37.85	
12	26.20	27.56	28.94	30.35	31.78		34.72	36.22		39.31	
13	27.57	28.94	30.33	31.75	33.20		36.16	37.68		40.79	
14	28.96	30.35	31.75	33.19	34.64			39.16		42.30	
15	30.38	31.78	33.20	34.64	36, 11	37.61	39.12	40.67	42.23	43.83	1
16	31.83	33.23	34,67	36.12	37.61	39.11	40,64	42,20	43.78	45.38	1
17	33.30	34.72	36.16	37.63	39.12	40.64	42.19	43.75	45.35	46.96	1
18	34.79	36.22	37.68	39.16	40.67	42.20	43.75	45.33	46.94	48.57	1
19	36.31	37.75	39,22	40.72	42.23	43.78	45.35	46.94	48.56	50.20	1
20	37.85	39.31	40.79	42.30	43.83	45.38	46.96	48.57	50.20	51.85	2
21	39.42	40.89	42.38	43.90	45.44	47.01	48.61	50.22	51.86	53.53	2
22	41.01	42.49	44.00	45.53	47.09		50.27	51.90	53.56		
23	42.63	44.12	45.64	47.19	48.75		51.96	53.61	55.27	56.96	
24	44.27	45.78	47.31	48.86	50.44		53.68	55.33	57.01	58.72	
25	45.94	47.46	49.00	50.57	52.16	53.78	55.42	57.09	58.78	60.49	
26	47.63	49.16	50.72	52.30	53.90	55.53	57.19	58.86	60.57	62.30	2
27	49.35	50.89	52.46	54.05	55.67	57.31	58.98	60.67	62.38	64.12	
28	51.09	52.64	54.22	55.83	57.46	59.11	60.79	62.49	64.22	65.98	2
29	52.85	54.42	56.01	57.63	59.27	60.94	62.63	64.35	66.09	67.85	
30	54.64	56.22	57.83	59.46	61.11	62.79	64.49	66.22	67.98	69.75	8
31	56.46	58.05	59.67	61.31	62.98	64.67	66.38	68.12	69.89	71.68	3
32	58.30	59.90	61.53	63.19	64.86	66.57	68.30	70.05	71.83	73.63	
33	60.16	61.78	63.42	65.09	66.78	68.49	70.23	72.00	73.79	75.60	3
34	62.05	63.68	65.33	67.01	68.72	70.44	72.20	73.98	75.78	77.60	3
35	63.96	65.61	67.27	68.96	70.68	72.42	74.19	75.98	77.79	79.63	3
36	65.90	67.56	69.23	70.94	72.67	74.42	76.20	78.00	79.83	81.68	3
37	67.86	69.53	71.22	72.94	74.68	76.44	78.23	80.05	81.89	83.75	3
38	69.85	71.53	73.23	74.96	76.72	78.49	80.30	82.12	83.98	85.85	3
39	71.86	73.56	75.27	77.01	78.78	80.57	82.28	84.22	86.09	87.98	
10	73.90	75.60	77.33	79.09	80.86	82.67	84.49	86.35	88.22	90.12	4
11	75.96	77.68	79.42	81.19	82.98	84.79	86.63	88.49	90.38	92.30	4
12	78.05	79.78	81.53	83.31	85.11	86.94	88.79	90.67	92.57	94.49	4
13	80.16	81.90	83.67	85.46	87.27	89.11	90.98	92.86	94.78	96.72	1.7
14	82.30	84.05	85.87	87.63	89.46	91.31	93.19	95.09	97.01	98.96	
15	84.46	86.22	88.01	89.83	91.67	93.53	95.42	97.33	99.27	101.23	4
16	86.64	88.42	90.22	92.05	93.90	95.78	97.68	99.60	101.56	103.53	4
17	88.85	90.64	92.46	94.30	96.16		99.96	101.90	103.81	105.85	4
48	91.09	92.89	94.72	96.57	98.44	100.35	102.27	104.22	106.20	108.20	4
19	93,35	95.16	97.00							110.57	
50	95.63	97.46	99.31	101.19	103.09	105.01	106.96	108.94	110.94	112.96	5
	11	12	13	14		16					-

## TABLE XL.—BASE 50.—SLOPES 1 to 1.

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14	24.89 26.09 27.31 28.56 29.83 31.12 32.44 33.79 35.16 36.56 37.98 39.42 40.89 42.38 43.90 45.44	26.35 27.56 28.79 30.05 31.33 32.64 33.98 35.33 36.72 38.12 39.56 41.01 42.49 44.00	32.86 34.19 35.53 36.90	29.33 30.57 31.83 33.11 34.42 35.75 37.11 38.49 39.90 41.33 42.79	30.86 32.11 33.38 34.68 36.00 37.35 38.72 40.11 41.53 42.98 44.44	33.68 34.96 36.27 37.61 38.96 40.35 41.75 43.19	34.00 35.27 36.57 37.89 39.23 40.61 42.00 43.42 44.86	35.61 36.89 38.20 89.53 40.89 42.27 43.68 45.11 46.57	37.23 38.53 39.85 41.30 42.57 43.96 45.38 46.83 48.30	38.89 40.20 41.53 42.89 44.27 45.68 47.11 48.57	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
2 3 4 5 6 7 8 9 10 11 12 13	27. 31 28. 56 29. 83 31. 12 32. 44 83. 79 35. 16 36. 56 37. 98 39. 42 40. 89 42. 38 43. 90	28.79 30.05 31.33 32.64 33.98 35.33 36.72 38.12 39.56 41.01 42.49 44.00	30.30 31.57 32.86 34.19 35.53 36.90 38.30 39.72 41.16 42.63	31.83 33.11 34.42 35.75 87.11 38.49 39.90 41.33 42.79	33.38 34.68 36.00 37.35 38.72 40.11 41.53 42.98	34.96 36.27 37.61 38.96 40.35 41.75 43.19	36.57 37.89 39.23 40.61 42.00 43.42	38.20 39.53 40.89 42.27 43.68 45.11	38.53 39.85 41.30 42.57 43.96 45.38 46.83	41.53 42.89 44.27 45.68 47.11 48.57	1
3 4 5 6 7 8 9 10 11 12 13	28,56 29,83 31,12 32,44 33,79 35,16 36,56 37,98 39,42 40,89 42,38 43,90	30.05 31.33 32.64 33.98 35.33 36.72 38.12 39.56 41.01 42.49 44.00	31.57 32.86 34.19 35.53 36.90 38.30 39.72 41.16 42.63	33.11 34.42 35.75 37.11 38.49 39.90 41.33 42.79	34.68 36.00 37.35 38.72 40.11 41.53 42.98	36.27 37.61 38.96 40.35 41.75 43.19	37.89 39.23 40.61 42.00 43.42	89.53 40.89 42.27 43.68 45.11	41.30 42.57 43.96 45.38 46.83	42.89 44.27 45.68 47.11 48.57	
4 5 6 7 8 9 10 11 12 13	29.83 31.12 32.44 33.79 35.16 36.56 37.98 39.42 40.89 42.38 43.90	31.33 32.64 33.98 35.33 36.72 38.12 39.56 41.01 42.49 44.00	32.86 34.19 35.53 36.90 38.30 39.72 41.16 42.63	34.42 35.75 37.11 38.49 39.90 41.33 42.79	36.00 37.35 38.72 40.11 41.53 42.98	37.61 38.96 40.35 41.75 43.19	39.23 40.61 42.00 43.42	40.89 42.27 43.68 45.11	42.57 43.96 45.38 46.83	44.27 45.68 47.11 48.57	
5 6 7 8 9 10 11 12 13	31.12 32.44 33.79 35.16 36.56 37.98 39.42 40.89 42.38 43.90	32,64 33,98 35,33 36,72 38,12 39,56 41,01 42,49 44,00	34, 19 35, 53 36, 90 38, 30 39, 72 41, 16 42, 63	35,75 37,11 38,49 39,90 41,33 42,79	37,35 38,72 40,11 41,53 42,98	38.96 40.35 41.75 43.19	40.61 42.00 43.42	42.27 43.68 45.11	43.96 45.38 46.83	45.68 47.11 48.57	
6 7 8 9 10 11 12 13	32.44 33.79 35.16 36.56 37.98 39.42 40.89 42.38 43.90	33.98 35.33 36.72 38.12 39.56 41.01 42.49 44.00	35.53 36.90 38.30 39.72 41.16 42.63	37.11 38.49 39.90 41.33 42.79	38.72 40.11 41.53 42.98	40.35 41.75 43.19	42.00 43.42	43.68 45.11	45.38 46.83	47.11 48.57	
7 8 9 10 11 12 13	33.79 35.16 36.56 37.98 39.42 40.89 42.38 43.90	35.33 36.72 38.12 39.56 41.01 42.49 44.00	36.90 38.30 39.72 41.16 42.63	38.49 39.90 41.33 42.79	40.11 41.53 42.98	41.75 43.19	43.42	45.11	46.83	48.57	
7 8 9 10 11 12 13	35.16 36.56 37.98 39.42 40.89 42.38 43.90	36.72 38.12 39.56 41.01 42.49 44.00	36.90 38.30 39.72 41.16 42.63	39.90 41.33 42.79	41.53 42.98	43.19		45.11		48.57	
8 9 10 11 12 13	36.56 37.98 39.42 40.89 42.38 43.90	38.12 39.56 41.01 42.49 44.00	39.72 41.16 42.63	41.33 42.79	42.98		44.86	46.57	48 30		
10 11 12 13	37,98 39,42 40,89 42,38 43,90	39.56 41.01 42.49 44.00	41.16 42.63	42.79	4.1	44.64		40.04	40.00	50.05	
11 12 13	39.42 40.89 42.38 43.90	41.01 42.49 44.00	42.63		44.44		46.33	48.05	49.79	51.56	١.
12 13	40,89 42.38 43.90	42.49 44.00		44 97		46.12	47.83	49.56	51.31	53.09	1
12 13	40,89 42.38 43.90	42.49 44.00			45.94	47.63	49.35	51.09	52.85	54.64	1
13	$\frac{42.38}{43.90}$	44.00		45.78	47.46		50.89	52.64	54.42	56.22	
	43.90		45.64	47.31	49.00		52.46	54.22	56.01	57.83	
	45.44	45.53	47.19	48.86	50.57	52.30	54.05	55.83	57.63	59.46	
15		47.09	48.75	50.44	52.16	53.90	55.67	57.46	59.27	61.11	
16	47.01	48.67	50.35	52.05	53.78	127.000	57.31	59.11	60.94	62.79	
17	48.61	50.27	51.96	58.68	55.42	57.19	58.98	60.79	62.63	64.49	
18	50.22	51.90	53.61	55.33	57.09	58.86	60.67	62.49	64.35	66.22	
19	51.86	53.56	55.27	57.01	58.78	100000000000000000000000000000000000000	62.38	64.22	66.09	67.98	
20	53.53	55.23	56.96	58.72	60.49	62.30	64.12	65.98	67.85	69.75	
	16-10 North	56.94	58.68		200	the second second	11/2/4/2014	100 100 100 100	100000000	1990	Р.
21	55.22	58.67		60.44	62.23		65.89	67.75	69.64	71.56	
22	56.94 58.68	60.42	60.42	62.20 63.98	64.00		67.68	69.56	71.46	73.38	
23	60.44	62.20	62.19 63.98	65.78	65.79	67.63	69.49 71.83	71.38 73.23	73.30	75.28	
24	62.23	64.00	65.79	67.61			73.20		75.16	77.11	
25	200	1000000	1000000		69.44	71.31	1000000	75.11	77.05	79.01	
26	64.05	65.83	67.63	69.46	71.31	73.19	75.09	77.01	78.96	80.94	
27	65.89	67.68	69.49	71.88	73.20	75.09	77.00	78.94	80.90	82.89	
28	67.75	69.56	71.38	78.28	75.11	77.01	78.94	80.89	82.86	84.86	
29	69.64	71.46	78.80	75.16	77.05	78.96	80.90	82.86	84.85	86.86	
30	71.56	73.38	75.23	77.11	79.01	80.94	82.89	84.86	86.86	88.89	Ŀ.
31	73.49	75.33	77.20	79.09	81.00	82.94	84.90	86.89	88.90	90.94	
32	75.46	77.31	79.19	81.09	83.01	84.96	86.94	88.94	90.96	93.01	
33	77.44	79.31	81.20	83.11	85.05	87.01	89.00	91.01	93.05	95.11	
34	79.46	81.83	83.23	85.16	87.11	89.09	91.09	93.11	95.16	97.23	
35	81.49	83.38	85.30	87.23	89.20	91.19	93,20	95.23	97.30	99.38	3
36	83.56	85.46	87.38	89.33	91.31	93.31	95.33	97.38	99.46	101.56	3
37	85.64	87.56	89,49	91.46	93.44	95.46	97.49	99.56	101.64	103.75	3
38	87.75	89.68	91.63	93.60	95.60	97.63				105.98	
39	89.89	91.83	93.79	95.78	97.79					108.22	
10	92.05	94.00	95.98	97.98	100.00	102.05	104.12	106.22	108.35	110.49	4
11	94.23	96.20	98.19	100.20	102.23	104.30	106.38	108.49	110.63	112.79	4
12	96.44	98.42	100.42	102.44	104.49	106.57	108.67	110.79	112.94	115.11	4
13						108.86					
						111.18					
15	103.22	105.23	107.27	109.33	111.42	113.53	115.67	117.83	120.01	122.22	4
16	105.58	107.56	109.60	111.68	113.78	115.90	118.05	120, 22	122,42	124.64	4
						118.30					
						120.72					
						123.16					
						125.63					
1	21	22	23	24	25	26	27	28	29	30	-

## TABLE XL.-BASE 50.-SLOPES 1 to 1.

Peet.	31	32	33	34	35	36	37	38	39	40	Feet
0	40.57	42.27	44.00	45.75	47.53	49.33	51.16	53.01	54.89	56.79	(
1	41.89	43.61	45.35	47.11	48.90	50.72	52.56	54.42	56.31	58.22	i
2	43.23	44.96	46.72	48.49	50,30	52.12	53.98	55.85	57.75	59.68	5
3	44.61	46.35	48.11	49.90	51.72	53.56	55.42	57.31	59,22	61.16	100
4	46.00	47.75	49.53	51.33	53.16	55.01	56.89	58.79	60.72	62.67	4
5	47.42	49.19	50.98	52.79	54.63	56.49	58.38	60.30	62.23	64.20	-
6	48.86	50.64	52.44	54.27	56.12	58.00	59.90	61.83	63.78	65.75	(
7	50.33	52.12	53.94	55.78	57.64	59.53	61.44	63.38	65.35	67.33	7
8	51.83	53,63	55.46	57.31	59.19	61.09	63.01	64.96	66.94	68.94	8
9	53,35	55.16	57.00	58.86	60.75	62.67	64.61	66.57	68.56	70.57	5
10	54.89	56.72	58.57	60.44	62.35	64.27	66.22	68,20	70.20	72.22	16
11	56.46	58.30	60.16	62.05	63.96	65.90	67.86	69.85	71.86	73.90	11
12	58.05	59.90	61.78	63.68	65.61	67.56	69.53	71.53	73.56	75.60	15
13	59.67	61.53	63.42	65.33	67.27	69.23	71.22	73.23	75.27	77.33	13
14	61.31	63.19	65.09	67.01	68.96	70.94	72.94	74.96	77.01	79.09	14
15	62.98	64.86	66.78	68.72	70.68	72.67	74.68	76.72	78.78	80.86	1:
16	64.67	66.57	68.49	70.44	72.42	74.42	76.44	78.49	80.57	82.67	16
17	66.38	68.30	70.23	72.20	74.19	76.20	78.23	80.30	82.28	84.49	17
18	68.12	70.05	72.00	73.98	75.98	78.00	80.05	82.12	84.22	86.35	18
19	69.89	71.83	73.79	75.78	77.79	79.83	81.89	83.98	86.09	88.22	19
20	71.68	73.63	75,60	77.60	79.63	81.68	83.75	85.85	87.98	90.12	20
21	73.49	75.46	77.44	79.46	81.49	83.56	85.64	87.75	89.89	92.05	21
22	75.33	77.31	79.31	81.33	83,38	85.46	87.56	89.68	91.83	94.00	29
23	77.20	79.19	81.20	83,23	85,30	87.38	89.49	91.63	93.79	95,98	21
24	79.09	81.09	83,11	85,16	87.23	89.33	91,46	93.60	95.78		
25	81.00	83.01	85.05	87.11	89.20	91,31	93,44	95.60	97.79	100.00	25
26	82.94	84.96	87.01	89.09	91.19	93.31	95.46	97.63	99.83	102.05	26
27	84.90	86.94	89.00	91.09	93.20	95.33	97.49		101.89		
28	86.89	88.94	91.01	98.11	95.23	97.38			103.98		
29	88,90	90.96	93.05	95.16	97.30		101.64				
30	90.94	93.01	95.11	97.23	IN THE STATE OF	100 1000	103.75	the state of the	to the late of	Company of the	1.4
31	93.00	95.09	97.20				105.89				
32	95.09	97.19					108.05				
33	97.20						110.23				
34							112,44				
	12-60% 14 14		4.00		The state of the state of		114.68			7.7	
							116.94				
							119.22				
							121.58				
							123.86 126.22				
~~!	ALC: U.S. CA	150 2 400 0	March Co.			to the first of		POWER 1	C100 C100	10 To	
41	114.98	117.18	119.42	121.68	123.96	126.27	128.60	130.96	133.35	135.75	41
42	117.31	119.53	121.78	124.05	120.35	120.67	131.01	195 00	199 99	140 67	42
45	119.67	121.90	124.16	190.44	121 10	199 59	133.44	188 20	140 79	149 16	40
45	194 46	196 79	120.07	121 21	133 GA	136 00	135.90 138.38	140.79	143 99	145 68	45
281	100000	A. D. C. V.	15 3 G TA		1 .5 % C M		- 017		RATE AND		
							140.89				
							143.42				
48	131.83	134.12	136.44	158.79	141.16	143.56	145.97	148.42	150.89	150.38	48
							148.56				
90	136.86	139.18	141.53	145.90	146.30	148.72	151.16	100.00	100.12	198.04	3(
	31	32	33	34	35	36	37	38	39	40	

201 2 р



TABLE XL.—BASE 50.—SLOPES 1 to 1.

1 60.16 62.12 64.11 65.61 67.02 73.81 74.42 76.56 78.72 61.63 63.61 65.61 67.63 69.68 71.75 73.85 75.98 78.12 80.36 363.61 65.61 67.12 69.16 71.22 73.31 75.42 77.66 77.72 81.94 64.64 66.64 68.67 70.72 72.79 74.89 77.01 79.16 81.33 83.51 65.66.19 68.20 70.23 72.80 74.38 76.49 78.68 80.79 82.98 85.11 66.67.75 69.78 71.83 73.90 76.00 78.12 80.27 82.44 84.64 86.84 76.93 71.83 73.90 76.00 78.12 80.27 82.44 84.64 86.86 77.70 79.71 79.16 81.33 83.51 76.93 77.01 79.16 81.33 83.51 76.93 77.01 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.18 79.	Feet.	41	42	43	44	45	46	47	48	49	50	Pant
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32 117. 18 119.58 121.90 124.30 126.72 129.16 181.63 184.12 136.64 139.18 33 119.42 121.78 124.16 126.57 129.00 181.46 183.94 136.44 188.97 141.51 484 121.68 124.05 126.44 128.86 181.31 183.78 136.27 138.79 141.33 143.96 35 128.96 126.35 128.75 131.18 133.64 136.12 138.63 141.16 143.72 146.38 36 126.27 128.67 131.09 133.53 136.00 138.49 141.01 143.56 146.12 148.72 148.73 128.60 181.01 133.44 135.90 138.38 140.89 143.42 145.97 148.56 151.16 38 130.96 133.38 135.88 138.30 140.79 143.31 145.85 148.42 151.01 153.63 139 133.35 135.78 138.29 140.72 143.22 145.75 148.31 150.89 153.49 156.15 40 135.75 138.20 140.67 143.16 145.68 148.22 150.79 153.38 156.00 158.64 143.12 145.63 148.12 150.67 153.23 155.83 158.44 161.09 163.77 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149.14 149	30	112.79	115.11	117.46	119.83	122.22	124.64	127.08	129.56	132.05	134.57	8
33 119, 42 121. 78 124. 16 126. 57 129. 00 131. 46 133. 94 136. 44 138. 97 141. 53 34 121. 68 124. 05 126. 44 128. 86 131. 31 133. 78 136. 27 138. 79 141. 33 144. 93 35 123. 96 126. 35 128. 75 131. 18 138. 64 136. 12 138. 63 141. 16 143. 72 146. 36 36 126. 27 128. 67 131. 09 133. 53 136. 00 138. 49 141. 01 143. 56 146. 12 148. 75 37 128. 60 131. 01 133. 44 135. 90 138. 38 140. 89 143. 42 145. 97 148. 56 151. 16 38 130. 96 133. 38 135. 83 138. 30 140. 79 143. 31 145. 85 148. 42 151. 01 153. 63 39 133. 35 135. 78 138. 23 140. 72 143. 22 145. 75 148. 31 150. 89 153. 49 156. 15 40 135. 75 138. 20 140. 67 143. 16 145. 68 148. 22 150. 79 153. 38 156. 00 158. 64 41 138. 18 140. 64 143. 12 145. 63 148. 16 150. 72 153. 30 155. 90 158. 53 161. 19 42 140. 64 143. 11 145. 60 148. 12 150. 67 153. 23 155. 83 158. 44 161. 09 163. 74 43 143. 12 145. 60 148. 11 150. 64 153. 20 155. 78 158. 38 161. 01 163. 67 166. 24 44 145. 63 148. 12 150. 64 153. 18 155. 75 158. 35 160. 96 163. 60 166. 27 168. 96 45 148. 16 150. 67 153. 20 155. 75 158. 35 160. 96 163. 60 166. 27 168. 96 46 150. 72 153. 23 155. 78 158. 35 160. 94 163. 57 166. 22 168. 90 171. 60 46 150. 72 153. 23 155. 78 158. 35 160. 94 163. 57 166. 22 168. 90 171. 60 47 153. 30 155. 83 158. 38 160. 96 163. 57 166. 20 168. 86 171. 53 174. 23 176. 94 49 158. 53 161. 09 163. 67 166. 27 168. 90 171. 55 174. 23 176. 94 179. 67 182. 44 50 161. 18 163. 75 166. 35 168. 96 171. 60 174. 27 176. 96 179. 68 182. 42 185. 18	31	114.98	117.31	119.67	122.05	124.46	126.89	129.35	131.83	134.33	136.86	8
84 121. 68 124. 05 126. 44 128. 86 131. 31 133. 78 136. 27 138. 79 141. 33 143. 96 35 123. 96 126. 35 128. 75 131. 18 133. 64 136. 12 138. 63 141. 16 143. 72 146. 36 36 126. 27 128. 67 131. 09 133. 53 136. 00 138. 49 141. 01 143. 56 146. 12 148. 73 148. 69 131. 01 133. 44 135. 90 138. 38 140. 89 143. 42 145. 97 148. 56 151. 16 38 130. 96 133. 38 135. 83 138. 30 140. 79 143. 31 145. 85 148. 42 150. 89 153. 49 156. 15 140. 135. 75 138. 20 140. 67 143. 16 145. 68 148. 22 150. 79 153. 38 156. 00 158. 64 141. 181. 181. 181. 184. 64 143. 12 145. 63 148. 16 150. 72 153. 30 155. 90 158. 53 161. 14 145. 60 148. 11 150. 64 153. 20 155. 78 158. 38 160. 96 163. 57 166. 20 168. 86 171. 55 148. 12 150. 67 153. 20 155. 78 158. 38 160. 96 163. 57 166. 20 168. 86 171. 55 174. 23 175. 90 158. 41 161. 01 163. 66 166. 27 168. 96 153. 90 158. 41 161. 01 163. 67 166. 20 168. 85 171. 53 174. 23 176. 96 158. 96 158. 96 161. 18 153. 90 158. 67 166. 27 168. 96 171. 55 174. 23 176. 96 179. 68 152. 42 159. 67 166. 27 168. 96 171. 55 174. 23 176. 94 179. 67 182. 44 155. 90 158. 44 161. 01 163. 60 166. 22 168. 96 171. 55 174. 23 176. 94 179. 67 182. 45 166. 20 161. 18 163. 75 166. 35 168. 96 171. 55 174. 27 176. 96 179. 68 182. 42 185. 18	32	117.18	119.53	121.90	124.30	126.72	129.16	131.63	134.12	136.64	139.18	18
35 123, 96 126, 85 128, 75 131, 18 133, 64 136, 12 138, 63 141, 16 143, 72 146, 36 36 126, 27 128, 67 131, 09 133, 53 136, 00 138, 49 141, 01 148, 56 146, 12 148, 75 128, 60 131, 01 133, 44 135, 90 138, 38 140, 89 143, 42 145, 97 148, 56 151, 16 38 130, 96 133, 38 135, 83 138, 30 140, 79 143, 31 145, 85 148, 42 151, 01 153, 63 133, 35 135, 78 138, 23 140, 72 143, 22 145, 75 148, 31 150, 89 153, 49 156, 13 40 135, 75 138, 20 140, 67 143, 16 145, 68 148, 22 150, 79 153, 38 156, 00 158, 64 148, 18 140, 64 143, 12 145, 63 148, 16 150, 72 153, 30 155, 90 158, 53 161, 18 42 140, 64 143, 11 145, 60 148, 12 150, 67 153, 23 155, 83 158, 44 161, 09 163, 77 148, 12 145, 63 148, 12 150, 64 153, 20 155, 78 158, 38 161, 01 163, 67 166, 37 148, 12 150, 64 153, 20 155, 78 158, 35 160, 96 163, 60 166, 27 168, 94 148, 16 150, 67 153, 20 155, 75 158, 33 160, 94 163, 57 166, 22 168, 90 171, 60 166, 12 168, 12 168, 12 169, 12 169, 12 169, 12 169, 12 169, 12 169, 12 169, 12 169, 12 169, 12 169, 12 169, 12 169, 12 169, 12 169, 12 169, 12 169, 12 169, 12 169, 12 169, 12 169, 12 169, 12 169, 12 169, 12 169, 12 169, 12 169, 12 169, 12 169, 12 169, 12 169, 12 169, 12 169, 12 169, 12 169, 12 169, 12 169, 12 169, 12 169, 12 169, 12 169, 12 169, 12 169, 12 169, 12 169, 12 169, 12 169, 12 169, 12 169, 12 169, 12 169, 12 169, 12 169, 12 169, 12 169, 12 169, 12 169, 12 169, 12 169, 12 169, 12 169, 12 169, 12 169, 12 169, 12 169, 12 169, 12 169, 12 169, 12 169, 12 169, 12 169, 12 169, 12 169, 12 169, 12 169, 12 169, 12 169, 12 169, 12 169, 12 169, 12 169, 12 169, 12 169, 12 169, 12 169, 12 169, 12 169, 12 169, 12 169, 12 169, 12 169, 12 169, 12 169, 12 169, 12 169, 12 169, 12 169, 12 169, 12 169, 12 169, 12 169, 12 169, 12 169, 12 169, 12 169, 12 169, 12 169, 12 169, 12 169, 12 169, 12 169, 12 169, 12 169, 12 169, 12 169, 12 169, 12 169, 12 169, 12 169, 12 169, 12 169, 12 169, 12 169, 12 169, 12 169, 12 169, 12 169, 12 169, 12 169, 12 169, 12 169, 12 169, 12 169, 12 169, 12 169, 12 169, 12 169, 12 169, 12 169, 12 169, 12 169, 12 169, 12 169, 12												
$\begin{array}{c} 36 \\ 6126 \\ 27 \\ 128 \\ 60 \\ 131 \\ 01 \\ 133 \\ 44 \\ 135 \\ 90 \\ 138 \\ 30 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ 136 \\ $	34	121.68	124.05	126.44	128.86	131.31	133.78	136.27	138.79	141.33	143.90	8
$\begin{array}{c} 37128.60 \mid 31.01 \mid 33.44 \mid 35.90 \mid 138.38 \mid 140.89 \mid 148.42 \mid 145.97 \mid 148.56 \mid 151.14 \\ 38130.96 \mid 33.38 \mid 135.78 \mid 38.39 \mid 140.79 \mid 148.31 \mid 145.85 \mid 148.42 \mid 151.01 \mid 153.69 \\ 39133.35 \mid 35.75 \mid 138.20 \mid 140.67 \mid 143.16 \mid 145.68 \mid 148.22 \mid 150.79 \mid 153.38 \mid 156.80 \mid 158.64 \\ 41 \mid 138.18 \mid 140.64 \mid 143.12 \mid 145.63 \mid 148.16 \mid 150.72 \mid 153.30 \mid 155.90 \mid 158.58 \mid 161.14 \\ 42 \mid 140.64 \mid 143.11 \mid 145.60 \mid 148.12 \mid 150.67 \mid 153.23 \mid 155.83 \mid 158.44 \mid 161.09 \mid 163.74 \\ 43 \mid 143.12 \mid 145.60 \mid 148.11 \mid 150.64 \mid 153.20 \mid 155.78 \mid 158.38 \mid 161.01 \mid 163.67 \mid 166.34 \\ 44 \mid 145.68 \mid 148.12 \mid 150.64 \mid 153.20 \mid 155.78 \mid 158.38 \mid 160.96 \mid 163.60 \mid 166.27 \mid 168.94 \\ 45 \mid 148.16 \mid 150.67 \mid 153.20 \mid 155.75 \mid 158.33 \mid 160.94 \mid 163.57 \mid 166.22 \mid 168.90 \mid 171.66 \\ 46 \mid 150.72 \mid 153.23 \mid 155.78 \mid 158.35 \mid 160.94 \mid 163.57 \mid 166.20 \mid 168.86 \mid 171.55 \mid 174.23 \mid 176.94 \\ 47 \mid 153.30 \mid 155.83 \mid 158.38 \mid 160.96 \mid 163.57 \mid 166.20 \mid 168.85 \mid 171.53 \mid 174.23 \mid 176.94 \\ 49 \mid 158.53 \mid 161.09 \mid 163.67 \mid 166.27 \mid 168.90 \mid 171.55 \mid 174.23 \mid 176.94 \mid 179.68 \mid 182.42 \mid 185.18 \\ 49 \mid 158.53 \mid 161.09 \mid 163.67 \mid 166.27 \mid 168.90 \mid 171.55 \mid 174.23 \mid 176.94 \mid 179.67 \mid 182.44 \\ 50 \mid 161.18 \mid 163.75 \mid 166.35 \mid 168.96 \mid 171.60 \mid 174.27 \mid 176.96 \mid 179.68 \mid 182.42 \mid 185.18 \\ \hline \end{array}$	35	123,96	126.35	128.75	131.18	133.64	136.12	138.63	141.16	143.72	146.30	E
$\begin{array}{c} 37128.60 \mid 31.01 \mid 33.44 \mid 35.90 \mid 138.38 \mid 140.89 \mid 148.42 \mid 145.97 \mid 148.56 \mid 151.14 \\ 38130.96 \mid 33.38 \mid 135.78 \mid 38.39 \mid 140.79 \mid 148.31 \mid 145.85 \mid 148.42 \mid 151.01 \mid 153.69 \\ 39133.35 \mid 35.75 \mid 138.20 \mid 140.67 \mid 143.16 \mid 145.68 \mid 148.22 \mid 150.79 \mid 153.38 \mid 156.80 \mid 158.64 \\ 41 \mid 138.18 \mid 140.64 \mid 143.12 \mid 145.63 \mid 148.16 \mid 150.72 \mid 153.30 \mid 155.90 \mid 158.58 \mid 161.14 \\ 42 \mid 140.64 \mid 143.11 \mid 145.60 \mid 148.12 \mid 150.67 \mid 153.23 \mid 155.83 \mid 158.44 \mid 161.09 \mid 163.74 \\ 43 \mid 143.12 \mid 145.60 \mid 148.11 \mid 150.64 \mid 153.20 \mid 155.78 \mid 158.38 \mid 161.01 \mid 163.67 \mid 166.34 \\ 44 \mid 145.68 \mid 148.12 \mid 150.64 \mid 153.20 \mid 155.78 \mid 158.38 \mid 160.96 \mid 163.60 \mid 166.27 \mid 168.94 \\ 45 \mid 148.16 \mid 150.67 \mid 153.20 \mid 155.75 \mid 158.33 \mid 160.94 \mid 163.57 \mid 166.22 \mid 168.90 \mid 171.66 \\ 46 \mid 150.72 \mid 153.23 \mid 155.78 \mid 158.35 \mid 160.94 \mid 163.57 \mid 166.20 \mid 168.86 \mid 171.55 \mid 174.23 \mid 176.94 \\ 47 \mid 153.30 \mid 155.83 \mid 158.38 \mid 160.96 \mid 163.57 \mid 166.20 \mid 168.85 \mid 171.53 \mid 174.23 \mid 176.94 \\ 49 \mid 158.53 \mid 161.09 \mid 163.67 \mid 166.27 \mid 168.90 \mid 171.55 \mid 174.23 \mid 176.94 \mid 179.68 \mid 182.42 \mid 185.18 \\ 49 \mid 158.53 \mid 161.09 \mid 163.67 \mid 166.27 \mid 168.90 \mid 171.55 \mid 174.23 \mid 176.94 \mid 179.67 \mid 182.44 \\ 50 \mid 161.18 \mid 163.75 \mid 166.35 \mid 168.96 \mid 171.60 \mid 174.27 \mid 176.96 \mid 179.68 \mid 182.42 \mid 185.18 \\ \hline \end{array}$	36	126.27	128.67	131.09	133.53	136.00	138.49	141.01	143.56	146.12	148.72	8
39   133, 35   135, 78   138, 23   140, 72   143, 22   145, 75   148, 31   150, 89   153, 49   156, 1540   135, 75   138, 20   140, 67   143, 16   145, 68   148, 22   150, 79   153, 38   156, 00   158, 64   148, 12   140, 64   143, 11   145, 60   148, 12   150, 67   153, 23   155, 83   158, 44   161, 09   163, 76   148, 12   145, 60   148, 11   150, 64   153, 20   155, 78   158, 38   161, 01   168, 67   166, 34   148, 12   150, 67   153, 20   155, 78   158, 38   161, 01   168, 67   166, 36   148, 16   150, 72   153, 20   155, 75   158, 35   160, 96   163, 60   166, 27   168, 96   169, 77   153, 30   155, 83   158, 38   160, 96   163, 57   166, 20   168, 86   171, 55   174, 21   176, 96   179, 68   179, 67   182, 48   155, 90   158, 44   161, 01   163, 60   166, 22   168, 86   171, 53   174, 22   176, 94   179, 67   182, 48   158, 38   161, 09   163, 67   166, 27   168, 90   171, 56   174, 23   176, 94   179, 67   182, 48   158, 38   161, 09   163, 67   166, 27   168, 90   171, 55   174, 23   176, 94   179, 67   182, 48   158, 38   161, 09   163, 67   166, 27   168, 90   171, 55   174, 23   176, 94   179, 67   182, 48   159, 182, 182, 182, 182, 182, 182, 182, 182	37	128.60	131.01	133.44	135.90	138.38	140.89	143.42	145.97	148.56	151.16	8
$ \begin{array}{c} 40 \\ 135, 75 \\ 138, 20 \\ 140, 64 \\ 143, 12 \\ 145, 63 \\ 148, 12 \\ 145, 60 \\ 148, 12 \\ 150, 67 \\ 153, 20 \\ 155, 75 \\ 158, 33 \\ 160, 94 \\ 163, 57 \\ 166, 20 \\ 168, 86 \\ 171, 53 \\ 174, 20 \\ 176, 96 \\ 179, 68 \\ 182, 42 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180, 18 \\ 180$	38	130.96	133.38	135.83	138.30	140.79	143.31	145.85	148.42	151.01	153.63	0
$\begin{array}{c} 41 \\ 138, 18 \\ 140. 64 \\ 143. 11 \\ 145. 60 \\ 148. 12 \\ 150. 67 \\ 153. 20 \\ 155. 78 \\ 158. 38 \\ 161. 01 \\ 163. 78 \\ 166. 36 \\ 148. 12 \\ 150. 67 \\ 153. 20 \\ 155. 78 \\ 158. 38 \\ 161. 01 \\ 163. 67 \\ 166. 36 \\ 166. 36 \\ 166. 36 \\ 166. 36 \\ 166. 36 \\ 166. 36 \\ 166. 36 \\ 166. 36 \\ 166. 36 \\ 166. 36 \\ 166. 36 \\ 166. 36 \\ 166. 36 \\ 166. 36 \\ 166. 36 \\ 166. 36 \\ 166. 36 \\ 166. 36 \\ 166. 36 \\ 166. 36 \\ 166. 36 \\ 166. 36 \\ 166. 36 \\ 166. 36 \\ 166. 36 \\ 166. 36 \\ 166. 36 \\ 166. 36 \\ 166. 36 \\ 166. 36 \\ 166. 36 \\ 166. 36 \\ 166. 36 \\ 166. 36 \\ 166. 36 \\ 166. 36 \\ 166. 36 \\ 166. 36 \\ 166. 36 \\ 166. 36 \\ 166. 36 \\ 166. 36 \\ 166. 36 \\ 166. 36 \\ 166. 36 \\ 166. 36 \\ 166. 36 \\ 166. 36 \\ 166. 36 \\ 166. 36 \\ 166. 36 \\ 166. 36 \\ 166. 36 \\ 166. 36 \\ 166. 36 \\ 166. 36 \\ 166. 36 \\ 166. 36 \\ 166. 36 \\ 166. 36 \\ 166. 36 \\ 166. 36 \\ 166. 36 \\ 166. 36 \\ 166. 36 \\ 166. 36 \\ 166. 36 \\ 166. 36 \\ 166. 36 \\ 166. 36 \\ 166. 36 \\ 166. 36 \\ 166. 36 \\ 166. 36 \\ 166. 36 \\ 166. 36 \\ 166. 36 \\ 166. 36 \\ 166. 36 \\ 171. 36 \\ 171. 36 \\ 176. 96 \\ 179. 68 \\ 182. 42 \\ 185. 18 \\ 185. 18 \\ 185. 18 \\ 185. 18 \\ 185. 18 \\ 185. 18 \\ 185. 18 \\ 185. 18 \\ 185. 18 \\ 185. 18 \\ 185. 18 \\ 185. 18 \\ 185. 18 \\ 185. 18 \\ 185. 18 \\ 185. 18 \\ 185. 18 \\ 185. 18 \\ 185. 18 \\ 185. 18 \\ 185. 18 \\ 185. 18 \\ 185. 18 \\ 185. 18 \\ 185. 18 \\ 185. 18 \\ 185. 18 \\ 185. 18 \\ 185. 18 \\ 185. 18 \\ 185. 18 \\ 185. 18 \\ 185. 18 \\ 185. 18 \\ 185. 18 \\ 185. 18 \\ 185. 18 \\ 185. 18 \\ 185. 18 \\ 185. 18 \\ 185. 18 \\ 185. 18 \\ 185. 18 \\ 185. 18 \\ 185. 18 \\ 185. 18 \\ 185. 18 \\ 185. 18 \\ 185. 18 \\ 185. 18 \\ 185. 18 \\ 185. 18 \\ 185. 18 \\ 185. 18 \\ 185. 18 \\ 185. 18 \\ 185. 18 \\ 185. 18 \\ 185. 18 \\ 185. 18 \\ 185. 18 \\ 185. 18 \\ 185. 18 \\ 185. 18 \\ 185. 18 \\ 185. 18 \\ 185. 18 \\ 185. 18 \\ 185. 18 \\ 185. 18 \\ 185. 18 \\ 185. 18 \\ 185. 18 \\ 185. 18 \\ 185. 18 \\ 185. 18 \\ 185. 18 \\ 185. 18 \\ 185. 18 \\ 185. 18 \\ 185. 18 \\ 185. 18 \\ 185. 18 \\ 185. 18 \\ 185. 18 \\ 185. 18 \\ 185. 18 \\ 185. 18 \\ 185. 18 \\ 185. 18 \\ 185. 18 \\ 185. 18 \\ 185. 18 \\ 185. 18 \\ 185. 18 \\ 185. 18 \\ 185. 18 \\ 185. 18 \\ 185. 18 \\ 185. 18 \\ 185.$	39	133.35	135.78	138, 23	140.72	143.22	145.75	148.31	150.89	153,49	156.12	1
$\begin{array}{c} 42 \\ 140. \ 64 \\ 143. \ 12 \\ 145. \ 60 \\ 148. \ 11 \\ 150. \ 64 \\ 153. \ 20 \\ 155. \ 78 \\ 158. \ 38 \\ 161. \ 01 \\ 168. \ 66 \\ 166. \ 27 \\ 168. \ 96 \\ 161. \ 18 \\ 163. \ 75 \\ 166. \ 35 \\ 166. \ 36 \\ 168. \ 96 \\ 171. \ 60 \\ 174. \ 27 \\ 176. \ 96 \\ 179. \ 68 \\ 182. \ 42 \\ 185. \ 18 \\ 182. \ 42 \\ 185. \ 18 \\ 182. \ 42 \\ 185. \ 18 \\ 182. \ 42 \\ 185. \ 18 \\ 182. \ 42 \\ 185. \ 18 \\ 182. \ 42 \\ 185. \ 18 \\ 182. \ 42 \\ 185. \ 18 \\ 182. \ 42 \\ 185. \ 18 \\ 182. \ 42 \\ 185. \ 18 \\ 182. \ 42 \\ 185. \ 18 \\ 182. \ 42 \\ 185. \ 18 \\ 182. \ 42 \\ 185. \ 18 \\ 182. \ 42 \\ 185. \ 18 \\ 182. \ 42 \\ 185. \ 18 \\ 182. \ 42 \\ 185. \ 18 \\ 182. \ 42 \\ 185. \ 18 \\ 182. \ 42 \\ 185. \ 18 \\ 182. \ 42 \\ 185. \ 18 \\ 184. \ 18 \\ 184. \ 18 \\ 184. \ 18 \\ 184. \ 18 \\ 184. \ 18 \\ 184. \ 18 \\ 184. \ 18 \\ 184. \ 18 \\ 184. \ 18 \\ 184. \ 18 \\ 184. \ 18 \\ 184. \ 18 \\ 184. \ 18 \\ 184. \ 18 \\ 184. \ 18 \\ 184. \ 18 \\ 184. \ 18 \\ 184. \ 18 \\ 184. \ 18 \\ 184. \ 18 \\ 184. \ 18 \\ 184. \ 18 \\ 184. \ 18 \\ 184. \ 18 \\ 184. \ 18 \\ 184. \ 18 \\ 184. \ 18 \\ 184. \ 18 \\ 184. \ 18 \\ 184. \ 18 \\ 184. \ 18 \\ 184. \ 18 \\ 184. \ 18 \\ 184. \ 18 \\ 184. \ 18 \\ 184. \ 18 \\ 184. \ 18 \\ 184. \ 18 \\ 184. \ 18 \\ 184. \ 18 \\ 184. \ 18 \\ 184. \ 18 \\ 184. \ 18 \\ 184. \ 18 \\ 184. \ 18 \\ 184. \ 18 \\ 184. \ 18 \\ 184. \ 18 \\ 184. \ 18 \\ 184. \ 18 \\ 184. \ 18 \\ 184. \ 18 \\ 184. \ 18 \\ 184. \ 18 \\ 184. \ 18 \\ 184. \ 18 \\ 184. \ 18 \\ 184. \ 18 \\ 184. \ 18 \\ 184. \ 18 \\ 184. \ 18 \\ 184. \ 18 \\ 184. \ 18 \\ 184. \ 18 \\ 184. \ 18 \\ 184. \ 18 \\ 184. \ 18 \\ 184. \ 18 \\ 184. \ 18 \\ 184. \ 18 \\ 184. \ 18 \\ 184. \ 18 \\ 184. \ 18 \\ 184. \ 18 \\ 184. \ 18 \\ 184. \ 18 \\ 184. \ 18 \\ 184. \ 18 \\ 184. \ 18 \\ 184. \ 18 \\ 184. \ 18 \\ 184. \ 18 \\ 184. \ 18 \\ 184. \ 18 \\ 184. \ 18 \\ 184. \ 18 \\ 184. \ 18 \\ 184. \ 18 \\ 184. \ 18 \\ 184. \ 18 \\ 184. \ 18 \\ 184. \ 18 \\ 184. \ 18 \\ 184. \ 18 \\ 184. \ 18 \\ 184. \ 18 \\ 184. \ 18 \\ 184. \ 18 \\ 184. \ 18 \\ 184. \ 18 \\ 184. \ 18 \\ 184. \ 18 \\ 184. \ 18 \\ 184. \ 18 \\ 184. \ 18 \\ 184. \ 18 \\ 184. \ 18 \\ 184. \ 18 \\ 184. \ 18 \\ 184. \ 18 \\ 184. \ 18 \\ 184. \ 18 \\ 184. \$	£0	135.75	138.20	140.67	143.16	145.68	148.22	150.79	153.38	156.00	158.64	14
$ \begin{array}{c} 43 \\ 143 \\ 145 \\ 63 \\ 148 \\ 145 \\ 63 \\ 63 \\ 64 \\ 63 \\ 64 \\ 63 \\ 64 \\ 64$												
$ \begin{array}{c} 44 \\ 145 \\ .68 \\ 148 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\ .16 \\$												
$ \begin{array}{c} 45 \\ 148. \\ 16 \\ 150. \\ 72 \\ 153. \\ 20 \\ 155. \\ 78 \\ 158. \\ 20 \\ 158. \\ 20 \\ 158. \\ 20 \\ 161. \\ 20 \\ 20 \\ 20 \\ 20 \\ 20 \\ 20 \\ 20 \\ 2$												
$ \begin{array}{c} 46 \\ 150.72 \\ 153.20 \\ 155.83 \\ 158.38 \\ 158.38 \\ 160.96 \\ 163.57 \\ 166.20 \\ 168.85 \\ 171.53 \\ 174.22 \\ 176.94 \\ 179.68 \\ 49 \\ 158.53 \\ 161.09 \\ 163.67 \\ 166.27 \\ 168.90 \\ 171.55 \\ 174.22 \\ 176.94 \\ 179.68 \\ 171.53 \\ 174.22 \\ 176.94 \\ 179.68 \\ 179.68 \\ 182.42 \\ 185.18 \\ \end{array} $												
47 153. 30 155. 83 158. 38 160. 96 163. 57 166. 20 168. 85 171. 53 174. 23 176. 96 48 155. 90 158. 44 161. 01 163. 60 166. 22 168. 86 171. 53 174. 22 176. 94 179. 68 49 158. 53 161. 09 163. 67 166. 27 168. 90 171. 55 174. 23 176. 94 179. 67 182. 42 50 161. 18 163. 75 166. 35 168. 96 171. 60 174. 27 176. 96 179. 68 182. 42 185. 18		N 25 6 5 5			U25	Company of	10 mm	100000000000000000000000000000000000000	N. 196.	20,000	247 Cal	L.
48 155. 90 158. 44 161. 01 163. 60 166. 22 168. 86 171. 53 174. 22 176. 94 179. 66 49 158. 53 161. 09 163. 67 166. 27 168. 90 171. 55 174. 23 176. 94 179. 67 182. 45 50 161. 18 163. 75 166. 35 168. 96 171. 60 174. 27 176. 96 179. 68 182. 42 185. 18												
49 158.53 161.09 163.67 166.27 168.90 171.55 174.23 176.94 179.67 182.42 50 161.18 163.75 166.35 168.96 171.60 174.27 176.96 179.68 182.42 185.18												
50 161. 18 163. 75 166. 85 168. 96 171. 60 174. 27 176. 96 179. 68 182. 42 185. 18												
	V	161.18	163.75	166.85	108.96	171.60	174.27	176.96	179.68	182.42	185.18	0
1 41   42   43   44   45   46   47   49   40   80		41	42	43	44	45	46	47	48	49	50	1

## TABLE XLL.—BASE 50.—SLOPES 11 to 1.

Feet.	1	2	3	4	5	6	7	8	9	10	Feet.
0	0.94	1.92	2.94	4.00	5.09	6.22	7.39	8.59	9.83	11.11	1
1	1.91	2.91	3.94	5.02	6.13	7.28	8.46	9.68		12.24	1
2	2.91	3.92	4.98	6.07	7.20	8.37	9.57	10.81	12.09	13.41	1 5
3	3.94	4.98	6.06	7.17	8.31	9.50	10.72	11.98	13.28	14.61	1 8
4	5.02	6.07	7.17	8.30		10.67	11.91	13.18	14.50	15.85	1
5	6.13	7.20	8.31	9.46	10.65	11.87	13.13	14.42	15.76	17.13	
6	7.28	8.37	9.50	10.67	11.87	13.11	14.39	15.70	17.06	18.44	1
7	8.46	9.57	10.72	11.91	13.13	14.39	15.68	17.02	18.39	19.80	
8	9.68	10.81	11.98	13.18	14.42	15.70	17.02	18.37	19.76	21.18	
9	10.94	12.09	13.28	14.50	15.76	17.06		19.76		22.61	
10	12.24	13.41	14.61	15.85	17.13	18.44	19.80	21.18	22.61	24.07	
- 1		Photo 17 34					10001001	1000		D-9775.0	1
11	13.57	14.76	15.98	17,24	18.54	19.87	21.24	22.65	24.09	25.57	
12	14.94	16.15	17.39	18.67	19.98		22.72	24.15	25.61	27.11	
13	16.35	17.57	18.83	20.13	21.46		24.24	25.68		28.68	
14	17.80	19.04	20.31	21.63	22.98		25.80	27.26		30.30	
15	19.28	20.54	21.83	23.17	24.54	25.94	27.39	28.87	30.39	31.94	14
16	20.80	22.07	23.39	24.74	26.13	27.56	29.02	30.52	32.06	33.63	
17	22.35	23.65	24.98	26.35	27.76	29.20	30.68	32,20	33.76	35.35	17
18	23.94	25.26	26.61	28.00	29.42	30.89	32.39	33.92	35.50	37.11	18
19	25.57	26.91	28.28	29.68	31.13	32.61	34.13	35.68	37.28	38.91	15
20	27.24	28.59	29.98	31.41	32.87	34.37	35.91	37.48	39.09	40.74	20
21	28.94	30.31	31.72	33.17	34.65	36.17	37.72	39.31	40.94	42.61	21
22	30.68	32.07	33.50	34.96				41.18	The Marie and the Control of the Con	44.52	
23	32.46	33.87	35.31	36.80	38.31	39.87	41.46	43.09		46.46	
24	34.28	35.70	37.17	38.67	40.20	41.78		45.04		48.44	
25	36.13	37.57	39.06	40.57	42.13		45.35	47.02		50.46	1
-		-0.0	V 45		N. S. W. S.		1 1 1 1 1 1 1	100000000000000000000000000000000000000	1 2 2 3 2 2	52.52	1
26	38.02	39.48	40.98	42.52		45.70	47.35	49.04		54.61	
27	39.94	41.42	42.94	44.50	46.09	47.72	49.39	51.09			
28	41.91	43.41	44.94	46.52	48.13	49.78		53.18	54.94 57.09	56.74 58.91	
29	43.91	45.42	46.98	48.57	50.20		58.57	55.31		61.11	
30	45.94	47.48	49.06	50.67	52.31	54.00	1 32 2 7 1	57.48	1.000	F V. M10	1
31	48.02	49.57	51.17	52.80	54.46	56.17	57.91	59.68		63.35	
32	50,13	51.70	53.31	54.96	56.65	58.37	60.13	61.92	63.76	65.63	1-
33	52.28	53.87	55.50	57.17	58.87	60.61	62.39	64.20		67.94	
34	54.46	56.07	57.72	59.41	61.13	62.89	64.68	66.52	.68.39	70.30	
35	56.68	58.31	59.98	61.68	63.42	65.20	67.02	68.87	70.76	72.68	35
36	58.94	60.59	62.28	64.00	65.76	67.56	69.39	71.26	73.17	75.11	36
37	61.24	62.91	64.61	66.35	68.13		71.80	73.68	75.61	77.57	37
38	63.57	65.26	66.98	68.74	70.54	72.37	74.24	76.15	78.09	80.07	38
39	65.94	67.65	69.39	71.17	72.98	74.83	76.72	78.65	80.61	82.61	35
40	68.35	70.07	71.83	73.63	75.46			81.18	83.17	85.18	40
41	70.80	72.54	74.31	76.13	77.98	79.87	81.80	83.76	85.76	87.80	41
42	73.28	75.04	76.83	78.67	80.54	82.44	84.89	86.37	88.39	90.44	
43	75.80	77.57	79.39	81.24	83.13			89.02	91.06	93.13	
44			81.98	83.85	85.76	87.70	89.68	91.70	93.76	95.85	
45	78.35 80.94	80.15	84.61	86.50	88.42	90.39	92.38	94.42	96.50	98.61	
- 4	CO	60.00	2.34		110000000000000000000000000000000000000	1995 1999	the last transition	17	The second	100711	1
16	83.57	85.41	87.28	89.18	91.13	93.11	95.13	97.18		101.41	
47	86.24	88.09	89.98	91.91	94.87	95.87	97.91		102.09		
48	88.94	90.81	92.72	94.67	96.65	98.67	100.72	102,81	104.94	110 00	4
49	91.68	93.57	95.50	97.46	99.46	101.50	103.57	105.68	107.83	110.02	4
50	94.46	96.37	98 31	100.30	102.31	104.37	106.46	108.59	110.76	112.96	5(
7	1	2	3		-	6	-	8	9	10	

TABLE XLL.—BASE 50.—SLOPES 11 to 1.

Fret.	11	12	13	14	15	16	17	18	19	20	Past
0	12.42	13.78	15.17	16.59	18.06	19.56	21.09	22.67	24.28	25.92	
1	13.57	14.94	16.35	17.80	19.28			23.94	25.57	27.24	Ŀ
2	14.76	16, 15	17.57	19:04	20.54	22.07	23.65	25.26		28.59	
3	15.98	17.39	18.83	20.31	21.83	23.39	24.98	26.61	28.28	29.98	
4	17.24	18.67	20.13	21.63	23.17	24.74	26.35	28.00			1
-5	18.54	19.98	21.46	22.98	24.54	26.13	27.76	29.42	31.13	32.87	1
6	19.87	21.33	22.83	24.37	25.94	27.56	29.20	30.89	32.61	34.37	ı
7	21.24	22.72	24.24	25.80	27.39	29.02	30.68	32.39	34.13	35.91	
8	22.65	24, 15	25.68	27.26	28.87	30.52	32.20	33.92			
9	24.09	25.61	27.17	28.76	30.39	32.06	33.76	35.50	37.28	39.09	b
10	25.57	27.11	28.68	30.30	31.94	33.63	35.35	37.11	38.91	40.74	1
11	27.09	28.65	30.24	31.87	33.54	35.24	36.98	38.76	40.57	42.42	1
12	28.65	30.22	31.83	33.48	35.17	36.89		40.44	42.28	44.15	
13	30.24	31.83	33.46	35.13	36.83		40.35	42.17	44.02	45.91	
14	31.87	33.48	35.13	36.81	38.54	40.30		43.92	45.80	47.70	
15	33,54	35.17	36.83	38.54	40.28	42.06		45.72	47.61	49.54	
16	35.24	36.89	38.57	40.30	42.06	43.85	45.68	47.56	49.46	51.41	1
17	36.98	38.65	40.35	42.09	43.87	45.68	47.54	49.42	51.35	53.31	
18	38.76	40.44	42.17	43.92	45.72	47.56	49.42	51.33	53.28	55.26	
19	40.57	42.28	44.02	45.80	47.61	49.46	51.35	53.28	55.24	57.24	
20	42,42	44.15	45.91	47.70	49.54	51.41	53.31	55.26	57.24	59.26	
21	44.31	46.06	47.83	49.65	Valorities of	CO	1500 1600	50.000		1.50723	
22	46.24	48.00	49.80	51.63	51.50	53.39	55.31	57.28	59.28	61.31	
23	48.20	49.98			53.50	55.41	57.85	59.33	61.35	63.41	
24	50.20	52.00	51.80 53.83	53.65 $55.70$	55.54	57.46	59.42	61.42	63.46	65.54	
25	52.24	54.06	55.91		(m) 10 (m)	59.56	61.54	63.56	65.61	67.70	
- 1	11.70 % 0	TO CATE OF	10.0000	57.80	59.72	61.68	63.68	65.72	67.80	69.91	и.
26	54.31	56, 15	58.02	59,92	61.87	63.85	65.87	67.92	70.02	.72.15	
27	56.42	58.28	60.17	62.09	64.06	66.06	68.09	70.17	72.28	74.42	
85	58,57	60.44	62.35	64.30	66.28	68.30	70.35	72.44	74.57	76.74	
29	60.76	62.65	64.57	66,54	68.54	70.57	72,65	74.76	76.91	79.09	
30	62.98	64.89	66.83	68.81	70.83	72.89	74.98	77.11	79.28	81.48	3
31	65.24	67.17	69.13	71.13	73.17	75.24	77.35	79.50	81.68	83.91	3
32	67.54	69.48	71.46	73.48	75.54	77.63	79.76	81.92	84.13	86.37	3
33	69,87	71.83	73.83	75.87	77.94	80.06	82.20	84.39	86.61	88.87	3
34	72.24	74, 22	76.24	78.30	80.39	82.52	84.68	86.88	89.13	91.41	
35	74.65	76.65	78.68	80.76	82.87	85.02	87.20	89,42	91.68	93.98	3
36	77.09	79.11	81.17	83.26	85.39	87.56	89.76	92.00	94.28	96.59	3
37	79.57	81.61	83.68	85,80	87.94	90.13	92.35	94.61	96.91	99.24	
38	82.09	84.15	86.24	88.37	90.54	92.74	94,98	97.26	99.57	101.92	3
39	84.65	86.72	88.83	90.98	93.17	95.39	97.65	99.94	102.28	104.65	3
10	87.24	89.33	91.46	93,63	95.83	98.07	100.35	102.67	105.02	107.41	4
1	89.87	91.98	94.13	96.31	98.54	100.80	103.09	105.42	107.80	110.20	4
12	92.54	94.67	96.83	99.04						113.04	
13	95.24	97.39								115.91	
14	97.98	100.15	102.35	104.59	106.87	109.18	111.54	113.92	116.35	118.81	4
15			105.17								
			108.02								
17	106.42	108.65	110.91	113.20	115.54	117.91	120.31	122.76	125.24	127.76	4
			113.83								
			116.80								
50	115.20	117.48	119.80	122.15	124.54	126.96	129.42	131.92	134.46	137.04	5
-	-	1		- 1	0.5	-	-			-	-
v 1	11	12	13	14	15	16	17	18	19	20	í.

## TABLE XLI.—BASE 50.—SLOPES $1\frac{1}{2}$ to 1.

Feet,	21	22	23	24	25	26	27	28	29	30	Feet.
0	27.61	29.33	31.09	32.89	34.72	36.59	38.50	40.44	42.42	44.44	(
1	28.94	30.68	32.46	34.28	36.13	38.02	39.94	41.91	43.91	45.94	1
2	30.31	32.07	33.87	35.70	37.57	39.48	41.42	43.41	45.42	47.48	1
3	31.72	33.50	85.81	37.17	39.06	40.98	42.94	44.94	46.98	49.06	
4	33.17	34.96	36.80	38.67	40.57	42.52	44.50	46.52	48.57	50.67	1
5	34.65	36.46	38.31	40.20	42.13	44.09	46.09	48.13	50.20	52.31	1
6	36.17	38.00	39.87	41.78	43.72	45.70	47.72	49.78	51.87	54.00	
7	37.72	39.57	41.46	43.39	45.35	47.35	49.39	51.46	53,57	55.72	1
8	39.31	41.18	43.09	45.04	47.02	49.04	51.09	53.18	55.31	57.48	1
9	40.94	42.83	44.76	46.72	48.72	50.76	52.83	54.94	57.09	59,28	1
10	42.61	44.52	46.46	48.44	50.46	52.52	54.61	56.74	58.91	61,11	1
11	44.31	46.24	48.20	50.20	52.24	54.31	56.42	58.57	60.76	62.98	1
12	46.06	48.00	49.98	52.00	54.06	56.15	58.28	60.44	62.65	64.89	
13	47.83	49.80	51.80	53.83	55.91	58.02	60.17	62.35	64.57	66.83	
14	49.65	51.63	53.65	55.70	57.80	59.92	62.09	64.30	66.54	68.81	1.
15	51.50	53.50	55.54	57.61	59.72	61.87	64.06	66.28	68.54	70.83	
16	53.39	55.41	57.46	59.56	61.68	63.85	66.06	68.30	70.57	72.89	1
17	55.31	57.35	59.42	61.54	63.68	65.87	68.09	70.35	72.65	74.98	
18	57.28	59.33	61.42	63.56	65.72	67.92	70.17	72.44	74.76	77.11	
19	59.28	61.35	63.46	65.61	67.80	70.02	72.28	74.57	76.91	79.28	
20	61.31	63.41	65.54	67.70	69.91	72.15	74.42	76.74	79.09	81.48	
21	63.39	65.50	67.65	69.83	72.06	74.31	76.61	78.94	81.31	83.72	2
22	65.50	67.63	69.80	72.00	74.24	76.52	78.83	81.18	83.57	86.00	
23	67.65	69.80	71.98	74.20	76.46	78.76	81.09	83.46	85.87	88.31	
24	69.83	72.00	74.20	76.44	78.72	81.04	83.39	85.78	88.20	90.67	100
25	72.06	74.24	76.46	78.72	81.02	83.35	85.72	88.13	90.57	93.06	
26	74.31	76.52	78.76	81.04	83.35	85.70	88.09	90.52	92.98	95.48	
27	76.61	78.83	81.09	83.39	85.72	88.09	90.50	92.94	95.42	97.94	
28	78.94	81.18	83.46	85.78	88.13	90.52	92.94	95.41		100.44	
29	81.31	83.57	85.87	88.20	90.57	92.98		W 100 1 10 15	100.42		
30	83.72	86.00	88.31	90.67	93.06	95.48	97.94	100.44			
31	86.17	88.46	90.80	93.17	95.57	98.02	100.50	103.02	105.57	108.17	3
32	88.65	90.96	93.31	95.70	98.13	100.59					
33	91.17	93.50	95.87			103.20					
34	93.72	96.07				105.85					
35	96.31					108.54					
36	98.94	101.33	103.76	106.22	108.72	111.26	113.83	116.44	119.09	121.78	3
37	101.61	104.02	106.46	108.94	111.46	114.02	116.61	119.24	121.91	124.61	3
						116.81					
						119.65					
40	109.83	112.30	114.80	117.33	119.91	122.52	125.17	127.85	130.57	133.33	4
41	112.65	115.13	117.65	120.20	122.80	125.42	128.09	130.80	133.54	136.31	4
						128.37					
						131.35					
						134.37					
						137.42					
		1. 2. 2. 2. 3. 3.	12.00	400000	water and	140.52	100 C 100 C		100	0800000000	1
						143.65					
						146.81					
						150.02					
						153.26					
-				-	-	-00					-
	21	22	23	24	25	26	27	28	29	30	1

## TABLE XLI.—BASE 50.—SLOPES 11 to 1.

Feet.	31	32	33	34	35	36	37	38	39	40	Post.
0	46.50	48.59	50.72	52.89	55.09	57.83	59.61	61.92	64.28	66.67	0
1	48.02	50.13	52,28	54.46	56.68	58.94	61.24	63.57	65.94	68.35	1
2	49.57	51.70		56.07	58.31	60.59	62.91	65.26	67.65	70.07	2
3	51.17	53.31	55.50	57.72	59.98	62.28	64.61	66.98	69.39	71.83	3
4	52.80	54.96	57.17	59.41	61.68	64.00	66.35	68.74	71.17	73.63	4
5	54.46	56.65	58,87	61.13	63.42	65.76	68.13	70.54	72.98	75.46	5
6	56.17	58.37	60.61	62.89	65.20	67.56	69.94	72.37	74.83	77.33	6
7	57.91	60.13	62.39	64.68	67.02	69.39	71.80	74.24	76.72	79.24	
8	59.68	61.92	64.20	66.52	68.87	71.26	73.68	76.15	78.65	81.18	
9	61.50	63.76		68.39	70.76	73.17	75.61	78.09	80.61	83.17	9
10	63.35	65.63	67.94	70.80	72.68		77.57	80.07	82.61	85.18	10
11	65,24	67.54	69.87	72.24	74.65	77.09	79.57	82.09	84.65	87.24	11
12	67.17	69.48	71.83	74.22	76.65	79.11	81.61	84.15	200	89.33	
13	69.13	71.46	73.83	76.24	78.68		83.68			91.46	
14	71.13	73.48	75.87	78.30	80.76	83.26	85.80	88.37	90.98	93.63	
15	73.17	75.54	77.94	80.39	82.87	85.39	87.94	90.54	93.17	95.83	
1.7	1000	40.70			10000	1200 100	90.13	92.74	95.39	98.07	
16	75.24	77.63	80.06	82.52	85.02	87.56 89.76	92.35	94.98		100.35	
17	77.35	79.76	1 2 5 2 2 2	84.68		92.00	94.61	97.26		102.67	
18	79.50	81.92	84.39	86.88			96.91		102.28		
19	81.68 83.91	84.13 86.37	86.61 88.87	89,13 91,41	91.68	96.59			104.65		
20		13220	16.27.02	76,000	10.000	10000		4.000	200	100	
21	86.17	88.65	91.17	93.72	96.31				107.06		
22	88.46	90.96	93.50						109.50		
23	90.80	93.31	95.87	98.46	101.09	103.76	106.46	109.20	111.98	114.80	23
24	93,17	95.70							114.50		
25	95,57		100,72								
26	98.02	100.59	103.20	105.85	108.54	111.26	114.02	116.81	119.65	122.52	26
27	100.50	103.09	105.72	108.39	111.09	113.83	116.61	119.42	122.28	125.17	27
28	103.02	105,63	108,28	110.96	113.68	116.44	119.24	122.07	124.94	127.85	28
29	105.57	108.20	110.87	113.57	116.31	119.09	121.91	124.76	127.64	130.57	25
			113.50								
31	110.80	113.46	116.17	118.91	121.68	124.50	127.35	130.24	133.17	136.13	31
32	113.46	116.15	118.87	121.63	124.42	127.26	130.13	133.04	135.98	138.96	39
33	116,17	118.87	121.61	124.39	127.20	130.06	132.94	135.87	138.83	141.83	33
34	118,91	121.63	124.39	127.18	130.02	132.89	135.80	138.74	141.72	144.74	34
			127.20								
45		7	130.06		10 Nov. 10 10 10 10 10 10 10 10 10 10 10 10 10			and the second		W	
			132.94								
			135.87								
			138.83								
40	136, 13	138.96	141.83	144.74	147.68	150.67	153.68	156.74	159.83	162.96	40
7		and the second	144.87		to the second	A		0.400 000	. C-Y-T-1	S. Warner Co.	
			147.94								
			151.05								
			154.20								
45	151 50	154 49	157.39	160 30	163 49	166 50	169 61	172.76	175 94	179 17	4
								Program and	S		
			160.61								
			163.87								
			167.17								
			170.50								
90	167.80	170.81	173.87	176,96	180.09	183.26	180.46	189.70	192.98	196.50	31
	31	32	33	34	35	36	37	38	39	40	Γ

## TABLE XLI.—BASE 50.—SLOPES 11 to 1.

Feet	41	42	43	44	45	46	47	48	49	50	Feet.
0	69.09	71.56	74.06	76.59	79.17	81.78	84.42	87.11	89.83	92.59	(
1	70.80	73.28		78.35			86.24	88.94	91.68	94.46	1
2	72.54	75.04	77.57	80.15	82.76		88.09	90.81	93.57		
3	74.31	76.83					89.98				
4	76.13	78.67	81.24	88.85	86.50	1000	91.91	94.67		100.30	1 3
5	77.98	1 5 5 m 1 1	Control of the		V 100 100 100 100 100 100 100 100 100 10	10/04/12/2	94.87	96.65	99.46	102.31	1
6	79.87	82.44	85.06	87.70		12.4	95.87	10000000	101.50		1
7	81.80	84.39	87.02			2.00				106.46	
8	83.76	86.37	89.02	91.70	12122000					108.59	
9	85.76	88.39 90.44	91.06 93.13		3 3 3 3 3 3 3 3					110.76	
31	87.80	1000000		1000 7000	H151075757	101.41		11111111	The Contract		
11	89.87	92.54				103.57					
12	91.98					105.78					
13 14						108.02 110.30					
15						112.61					
					the second of the second	the state of the state of		and the second	the selection of the selection		1
16	100.80	103.55	106.35	109.18	112.06	114.96	117.91	120.89	123.91	126.96	1
17	105.09	100.87	111 05	118 09	114.42	117.35	120.31	123.31	126.35	129.42	1
10	107 80	110 61	112 46	116 35	110.00	119.78 122,24	195 94	120.78	120.00	131.92	1
20	110 20	112 04	115 91	118.81	121 76	124.74	197 76	120.20	192 91	197 04	1
- 4	100	2000	The state of the	Charles L.C.		The American Control	100 7 . 1			0.000	1
21	112.00	110.00	118.39	199 95	124.28	127.28	130.31	133.39	136.50	139.65	2
22	110.10	190 54	199 48	126, 60	120.00	129.85 132.46	195 54	136.00	139.13	142.30	2
24	190 90	192 11	196 06	129.04	129 06	135,11	128 90	141 99	144.50	147.70	Z
25	129. 80	195 79	128 68	131.68	134 79	137.80	140 91	144 07	147 94	150 46	2
						and the last transfer and		_ = 60.0	A second of the	The second second	
						$140.52 \\ 143.28$					
						146.07					
						148.91					
						151.78					
- 1	a many to the	1000		the service and the		154.68			The second second	100	
29	141 98	145 04	148 12	151 26	154 49	157.68	160 87	164 15	167 46	170 91	0
						160.61					
						163.63					
						166.68					
21.4		7.00	According to the last	17 64 10 10 10	0 - 0 0 0 0 0 0	169.78	120000		200000000000000000000000000000000000000		
						172.91					
						176.07					
						179.28					
						182.52					
41	169.31	172.54	175.80	179.09	182.42	185.80	189.20	192.65	196. 13	199.65	4
						189.11					
						192.46					
44	179.09	182.37	185.68	189.04	192,42	195.85	199.31	202,81	206.35	209.92	4
45	182.42	185.72	189.05	192.42	195.83	199.28	202.76	206.28	209.83	213.42	4
46	185.80	189.11	192.46	195.85	199.28	202.74	206.24	209.78	213.35	216.96	4
						206.24					
48	192.65	196.00	199.39	202.81	206.28	209.78	213.31	216.89	220.50	224.15	4
						213.35					
50	199.65	203.04	206.46	209.92	213.42	216.96	220.54	224.15	227.80	231.48	5
			-								-

#### TABLE XLII.—BASE 50.—SLOPES 2 to 1.

10.33 11.51 12.73 14.00 15.32 16.69 18.11 19.58 22.17 22.67 24.28 25.95 33.25 33.25 33.11 26.99 26.99 27.67 28.99 28.99 28.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.99 29.90 29.90 29.90 29.90 29.90 29.90 29.90 29.90 29.90 29.90 29.90 29.90 29.90 29.90 29.90 29.90 29.90 29.90 29.90 29.90 29.90 29.90 29.90 29.90 29.90 29.90 29.90 29.90 29.90 29.90 29.90 29.90 29.90 29.90 29.90 29.90 29.90 29.90 29.90 29.90 29.90 29.90 29.90 29.90 29.90 29.90 29.90 29.90 29.90 29.90 29.90 29.90 29.90 29.90 29.90 29.90 29.90 29.90 29.90 29.90 29.90 20.90 20.90 20.90 20.90 20.90 20.90 20.90 20.90 20.90 20.90 20.90 20.90	12.93 14.17 15.47 16.81 18.21 19.65 21.15 22.69 24.28 25.93 31.15 82.99 34.88 36.81 40.84	11 12 18 14 15 16 17 18
12.78 14.00 15.32 16.69 18.11 19.58 21.10 22.67 24.28 25.95 27.67 229.48 31.25 33.11 35.02 36.99 39.00	14.17 15.47 16.81 18.21 19.65 21.15 22.69 24.28 25.98 27.62 29.36 31.15 32.99 34.88 36.81 38.80 40.84 42.93	2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19
14.00 15.32 16.69 18.11 19.58 21.10 22.67 24.28 25.95 27.67 29.43 31.25 33.11 85.02 86.99 89.00	15.47 16.81 19.65 21.15 22.69 24.28 25.93 27.62 29.36 31.15 82.99 34.88 36.81 38.80 40.84 42.93	3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19
15.32 16.69 18.11 19.58 21.10 22.67 24.28 25.95 27.67 29.43 31.25 33.11 35.02 36.99 39.00	16.81 18.21 19.65 21.15 22.69 24.28 25.93 27.62 29.36 31.15 82.99 34.88 36.81 38.80 40.84 42.93	4 5 6 7 8 9 10 11 12 13 14 15 16 17 18
18.11 19.58 21.10 22.67 24.28 25.95 27.67 29.43 31.25 33.11 85.02 36.99 39.00 41.06	19.65 21.15 22.69 24.28 25.93 27.62 29.36 31.15 32.99 34.88 36.81 38.80 40.84 42.93	6 7 8 9 10 11 12 13 14 15 16 17 18
19.58 21.10 22.67 24.28 25.95 27.67 29.43 31.25 33.11 85.02 36.99 39.00 41.06	21.15 22.69 24.28 25.93 27.62 29.36 31.15 32.99 34.88 36.81 38.80 40.84 42.93	7 8 9 10 11 12 13 14 15 16 17 18
21.10 22.67 24.28 25.95 27.67 29.43 31.25 33.11 35.02 36.99 39.00 41.06	22.69 24.28 25.93 27.62 29.36 31.15 82.99 34.88 36.81 38.80 40.84 42.93	8 9 10 11 12 18 14 15 16 17 18
22.67 24.28 25.95 27.67 29.43 31.25 83.11 85.02 86.99 89.00 41.06	24.28 25.93 27.62 29.36 31.15 82.99 34.88 36.81 38.80 40.84 42.93	9 10 11 12 13 14 15 16 17 18
25.95 27.67 29.43 31.25 33.11 35.02 36.99 39.00	27.62 29.36 31.15 32.99 34.88 36.81 38.80 40.84 42.93	11 12 18 14 15 16 17 18
27.67 29.43 81.25 83.11 85.02 86.99 89.00	29.36 31.15 82.99 34.88 36.81 38.80 40.84 42.93	12 18 14 15 16 17 18
29.43 31.25 33.11 35.02 36.99 39.00 41.06	31.15 32.99 34.88 36.81 38.80 40.84 42.93	18 14 15 16 17 18
31.25 33.11 35.02 36.99 39.00 41.06	32.99 34.88 36.81 38.80 40.84 42.93	14 15 16 17 18
85.02 86.99 89.00 41.06	36.81 38.80 40.84 42.93	16 17 18 19
86.99 89.00 41.06	38.80 40.84 42.93	17 18 19
89.00 41.06	40.84 42.93	18 19
41.06	42.93	19
45.33	47.25	
47.54	49.48 51.77	
49.80 52.11	54.10	
54.47	56.48	
56.88	58.91	26
59.88		
67.00		
69.65	71.81	31
72.36		
80.77		
83.67		
86.62		
	1 1	
95.77	1	
98.91	101.32	41
15. <b>4</b> 0	117.98	46
18.84	121.40	47
29.47	132.10	50
	54. 47 56. 88 59. 33 51. 84 51. 84 61. 80 67. 00 69. 65 77. 91 77. 91 78. 91 77. 91 78. 91 77. 91 78. 91 79. 91	54.47 56.48 56.88 58.91 59.33 61.40 66.51 67.00 69.14 59.65 71.81 77.32 77.91 80.15 80.77 83.02 83.67 85.95 86.62 88.93 99.62 91.95 92.67 95.02

TABLE XLII.—BASE 50.—SLOPES 2 to 1.

Feet.	11	12	13	14	15	16	17	18	19	20	Poet.
0	13.70	14.67	16.21	17.80	19.44	21.14	22.88	24.67	26,51	28,40	(
1	14.40	15.91	17.48	19.10	20.77	22.48	24.25	26.06	27.93	29.84	1
2	15.67	17,21	18.80	20.44	22.14	23.83	25.67	27.51	29.40	31.33	2
3	16.99	18.56	20.17	21.84	23.56	25.32	27.14	29.00	30,91	32.88	8
4	18.36	19.95	21.59	23.28		26.81	28.65	30.54	32,48	34.47	4
5	19,78	21.40	23.06	24.78	26.54	28.36	30.22	32.14	34, 10	36.11	E
6	21.25	22.89	24.58	26.32	28.11	29.95	31.84	33.78	35.77	37.80	6
7	22.77	24.43	26.15	27.91	29.78	31.59	33.51	35.47	37.48	39.54	7
8	24.33	26.02	27.77	29.56	31.40	33.28	35.22	37.21	39.25	41.33	
9	25.95	27.67	29.43	31.25	33.11	35.02	36.99	39.00	41.06	43.17	
10	27.62	29.36	31.15	32.99	34.88	36.81	38.80	40.84	42.93	45.06	10
11	29.33	31.10	32.91	34.78	36.69	38.65	40.67	42.73	44.84	47.00	11
12	31.10	32.89	34.73	36.62		40.54	42.58	44.67	46.80	48.99	15
13	32.91	34.73	36.59	38.51	40.47	42.48	44.54	46.65	48.81	51.02	18
14	34.78	36.62	38.51	40.44	42.43	44.47	46.56	48.69	50.88	53.11	14
15	36.69	38.56	40.47	42.43	44.44	46.51	48.62	50.78	52.99	55.25	14
16	38.65	40.54	42.48	44.47	46.51	48.59	50.73	52.91	55.15	57.43	16
17	40.67	42.58	44.54	46.56	1 2 0 0 1 1 1	50.73	52.89	55.10	57.36	59.67	17
18	42.73	44.67	46.65	48.69	50.78		55.10	57.33	59.62	61.95	18
19	44.84	46.80	48.81	50.88		55.15	57.36	59.62	61,98	64.28	15
20	47.00	48,99	51.02	53.11	55.25	57.43	59.67	61.95	64.28	66.67	20
21	49.21	51.22	53.28	55.40	57.56	59.77	62.02	64.33	66.69	69.10	21
22	51.47	53.51	55.59	57.73	1000	62.15	64.43	66.77	69.15	71.58	
23	53.78	55.84	57.95	60.11	62.32	64.58	66.89	69.25	71.65	74.11	
24	56.14	58.22	60.36	62.54	64.78	67.06	69.40	71.78	74.21	76.69	
25	58.54	60.65	62.81	65.02		69.59	71.95	74.36	76.81	79.32	
100	100000	63.14	65.32	67.56	. 32 3 1	72.17	74.56	76.99	79.47	82.00	26
26	61.00	65.67	67.88	70.14	72.44	74.80	77.21	79.67	82.17	84.73	
27	63.51 66.06	68.25	70.48	72.77	75.10	77.48	79.91	82.40	84.93	87.51	
28 29	68.67	70.88	73.14	75.44	I make a second	80.21	82.67	85,17	87.73	90.33	
30	71.32	73.56	75.84	78.17	80.56	82.99	85.47	88.00	90.58	93.21	
	100000000000000000000000000000000000000		10.00	STATE OF THE PARTY.	83.36	85.81	88.32	90,88	93,48	96.14	1.
31	74.02	76.28	78.59 81.40	80.95 83.78	86.21	88.69	91.22	93.80	96.43		
32	76.78	79.06 81.89	84.25	86.65	89.11	91.62	94.17	96.78		104.14	
33	79.58 82.43	84.77	87.15	89.58	92.06	94.59	97.17		102.48		
34	85.33	87.69	90.10	92.56	The late		100.22				0.00
- 1		10.000	500000		1 1 1 1 1 1 1 1	A Company	103.32	HC4 1 34			
36	88.28	90.67	93.10	95.58			106.47				
37	91.28	93.69	96.15								
88	94.33	96.77	102.40	104 05	107.56	110.91	109.67	115.67	118.47	121.39	30
39	97.43	103 00	102.40	108 17	110 80	113 48	116.21	118.99	121.81	124.69	40
ŧU.	100.00	100.00	100.00	111 11	114 40	110.00	110 50	199 00	195 91	199 11	4
11	103.78	106.28	108.84	111,44	114.10	190. 17	199 05	195 79	198 65	191 59	4
12	107.02	109.56	112.14 115.48	114.77	190 64	120.17	196 40	129 95	189 15	135 10	45
13	110.32	112.88	118.88	191 50	124 99	197 00	129 89	132 77	135 69	138 67	44
4.5	117 00	110.25	122.32	121.00	127 79	180 59	133 43	136.33	139.28	142.28	41
±0	117.06	119.07	122.02	120.02	101.00	104 15	107 00	190 07	140.00	145 05	11
46	120.51	123.14	125.81	128.54	131.32	134.15	140 67	149 60	142.93	140.95	40
47	124.00	126.65	129.36	132.11	134.91	137.77	140.67	145.62	150.02	159 49	4
48	127.54	130.22	132.95	135.73	138.56	141.43	144.36	151 10	154 15	157 95	40
49	131.14	133.84	136.59	139.40	142,25	140, 15	151 90	154 01	157 90	161 11	E.
00	134.78	137.51	140.28	145,11	140.99	148,91	101.09	104, 31	101.00	101.11	0
	11	12	13	14	15	16	17	18	19	20	1

#### TABLE XLIL-BASE 50.-SLOPES 2 to 1.

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 14 15 16 17 18 18 19 20 19 21 22 23 24 25 26 26 27 28 28 29 29 20 20 20 20 20 20 20 20 20 20 20 20 20	30.33 31.80 33.32 34.89 36.51 38.17 39.89 41.65 43.47 45.33 47.25 49.21 51.22 53.28 55.40 57.56 59.77 62.02 64.33 66.69	\$2.32 \$3.82 \$5.86 \$6.95 \$8.59 \$40.28 \$42.02 \$43.81 \$45.65 \$47.54 \$49.48 \$51.47 \$53.51 \$55.59 \$57.73 \$9.91 \$62.15 \$64.43	51.77 53.78 55.84 57.95 60.11 62.32	36.44 37.99 39.58 41.22 42.91 44.65 46.44 48.28 50.17 52.11 54.10 56.14 58.22 60.36 62.54	38.58 40.15 41.77 43.43 45.15 46.91 48.73 50.59 52.51 54.47 56.48 60.65 62.81	61.00	61.40	45.28 46.93 48.62 50.36 52.15 53.99 55.88 57.81 59.80 61.84 63.93	47.62 49.28 51.00 52.77 54.58 56.44 58.36 60.32 62.33 64.40 66.51	50.00 51.69 53.43 55.22 57.06 58.95 60.89 62.88 64.91 67.00 69.14	1 5 5 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6
2 3 4 5 6 7 8 9 10 11 12 13 13 14 15 16 17 18 18 19 19 19 19 19 19 19 19 19 19 19 19 19	33.32 34.89 36.51 38.17 39.89 41.65 43.47 45.33 47.25 49.21 51.22 53.28 55.40 57.56 57.56 62.02 64.33	35.86 36.95 38.59 40.28 42.02 43.81 45.65 47.54 49.48 51.47 53.51 55.59 57.73 59.91 62.15	87.44 89.06 40.73 42.44 44.21 46.02 47.89 49.80 51.77 53.78 55.84 57.95 60.11 62.82	39.58 41.22 42.91 44.65 46.44 48.28 50.17 52.11 54.10 56.14 58.22 60.36	41.77 43.43 45.15 46.91 48.73 50.59 52.51 54.47 56.48 58.54 60.65	44.00 45.69 47.43 49.22 51.06 52.95 54.89 56.88 58.91 61.00	46.28 48.00 49.77 51.58 53.44 55.36 57.32 59.33 61.40	48.62 50.36 52.15 53.99 55.88 57.81 59.80 61.84	51.00 52.77 54.58 56.44 58.36 60.32 62.33 64.40	53.43 55.22 57.06 58.95 60.89 62.88 64.91 67.00	1 5 5 4 7 6 5 6 5
3 4 5 6 7 8 9 10 111 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 8 29	34.89 36.51 38.17 39.89 41.65 43.47 45.33 47.25 49.21 51.22 53.28 55.40 57.56 59.77 62.02 64.33	36. 95 38. 59 40. 28 42. 02 43. 81 45. 65 47. 54 49. 48 51. 47 53. 51 55. 59 57. 73 59. 91 62. 15	39.06 40.73 42.44 44.21 46.02 47.89 49.80 51.77 53.78 55.84 57.95 60.11 62.32	41.22 42.91 44.65 46.44 48.28 50.17 52.11 54.10 56.14 58.22 60.36	43.43 45.15 46.91 48.73 50.59 52.51 54.47 56.48 58.54 60.65	44.00 45.69 47.43 49.22 51.06 52.95 54.89 56.88 58.91 61.00	48.00 49.77 51.58 53.44 55.36 57.32 59.33 61.40	50.36 52.15 53.99 55.88 57.81 59.80 61.84	51.00 52.77 54.58 56.44 58.36 60.32 62.33 64.40	53.43 55.22 57.06 58.95 60.89 62.88 64.91 67.00	-
4 5 6 7 8 9 10 11 11 12 13 14 14 15 16 17 18 18 19 20 21 22 23 24 25 26 26 27 28 29 29 29 29 29 29 29 29 29 29 29 29 29	86.51 88.17 89.89 41.65 43.47 45.83 47.25 49.21 51.22 53.28 55.40 57.56 59.77 62.02 64.33	38.59 40.28 42.02 43.81 45.65 47.54 49.48 51.47 53.51 55.59 57.73 59.91 62.15	40.73 42.44 44.21 46.02 47.89 49.80 51.77 53.78 55.84 57.95 60.11 62.32	42.91 44.65 46.44 48.28 50.17 52.11 54.10 56.14 58.22 60.36	45.15 46.91 48.73 50.59 52.51 54.47 56.48 58.54 60.65	47.43 49.22 51.06 52.95 54.89 56.88 58.91 61.00	49.77 51.58 53.44 55.36 57.32 59.33 61.40	52.15 53.99 55.88 57.81 59.80 61.84	54.58 56.44 58.36 60.32 62.33 64.40	57.06 58.95 60.89 62.88 64.91 67.00	
5 6 7 8 9 10 11 11 12 13 14 14 15 16 17 18 19 20 21 22 22 23 24 25 26 26 27 28 29 29 29 29 29 29 29 29 29 29 29 29 29	88.17 89.89 41.65 43.47 45.33 47.25 49.21 51.22 53.28 55.40 57.56 59.77 62.02 64.33	40.28 42.02 43.81 45.65 47.54, 49.48 51.47 53.51, 55.59 57.73, 59.91 62.15	42.44 44.21 46.02 47.89 49.80 51.77 53.78 55.84 57.95 60.11 62.32	44.65 46.44 48.28 50.17 52.11 54.10 56.14 58.22 60.36	46.91 48.73 50.59 52.51 54.47 56.48 58.54 60.65	49.22 51.06 52.95 54.89 56.88 58.91 61.00	51.58 53.44 55.36 57.32 59.33 61.40	53.99 55.88 57.81 59.80 61.84	56.44 58.36 60.32 62.33 64.40	58.95 60.89 62.88 64.91 67.00	4 4 4 4 4
6 7 8 9 10 11 11 12 13 14 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 29 29 29 29 29 29 29 29 29 29 29 29	39.89 41.65 43.47 45.33 47.25 49.21 51.22 53.28 55.40 57.56 59.77 62.02 64.33	42.02 43.81 45.65 47.54 49.48 51.47 53.51 55.59 57.73 59.91 62.15	44.21 46.02 47.89 49.80 51.77 53.78 55.84 57.95 60.11 62.32	44.65 46.44 48.28 50.17 52.11 54.10 56.14 58.22 60.36	48.73 50.59 52.51 54.47 56.48 58.54 60.65	51.06 52.95 54.89 56.88 58.91 61.00	53.44 55.36 57.32 59.33 61.40	53.99 55.88 57.81 59.80 61.84	56.44 58.36 60.32 62.33 64.40	58.95 60.89 62.88 64.91 67.00	
7 8 9 10 11 11 12 13 14 14 15 16 17 18 19 20 21 22 22 23 24 24 25 26 27 28 29 29 29 29 29 29 29 29 29 29 29 29 29	41.65 43.47 45.83 47.25 49.21 51.22 53.28 55.40 57.56 59.77 62.02 64.33	43.81 45.65 47.54 49.48 51.47 53.51 55.59 57.73 59.91 62.15	46.02 47.89 49.80 51.77 53.78 55.84 57.95 60.11 62.32	48.28 50.17 52.11 54.10 56.14 58.22 60.36	50.59 52.51 54.47 56.48 58.54 60.65	52.95 54.89 56.88 58.91 61.00	55.36 57.32 59.33 61.40	57.81 59.80 61.84	60.32 62.33 64.40	62.88 64.91 67.00	
8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28	43.47 45.33 47.25 49.21 51.22 53.28 55.40 57.56 59.77 62.02 64.33	45.65 47.54 49.48 51.47 53.51 55.59 57.73 59.91 62.15	47.89 49.80 51.77 53.78 55.84 57.95 60.11 62.32	50.17 52.11 54.10 56.14 58.22 60.36	52.51 54.47 56.48 58.54 60.65	54.89 56.88 58.91 61.00	57.32 59.33 61.40	59.80 61.84	62.33 64.40	64.91 67.00	1
9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28	45.33 47.25 49.21 51.22 53.28 55.40 57.56 59.77 62.02 64.33	47.54 49.48 51.47 53.51 55.59 57.73 59.91 62.15	49.80 51.77 53.78 55.84 57.95 60.11 62.32	52.11 54.10 56.14 58.22 60.36	54.47 56.48 58.54 60.65	56.88 58.91 61.00	59.33 61.40	61.84	64.40	67.00	1
10 11 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29	47.25 49.21 51.22 53.28 55.40 57.56 59.77 62.02 64.33	49.48 51.47 53.51 55.59 57.73 59.91 62.15	51.77 53.78 55.84 57.95 60.11 62.32	54.10 56.14 58.22 60.36	56.48 58.54 60.65	58.91 61.00	61.40				
11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28	49.21 51.22 53.28 55.40 57.56 59.77 62.02 64.33	51.47 53.51 55.59 57.73 59.91 62.15	53.78 55.84 57.95 60.11 62.82	56.14 58.22 60.36	58.54 60.65	61.00		63,93	66.51	69.14	
12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28	51.22 53.28 55.40 57.56 59.77 62.02 64.33	53.51 55.59 57.73 59.91 62.15	55.84 57.95 60.11 62.32	58.22 60.36	60.65	200000	29 F1				1
13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29	53.28 55.40 57.56 59.77 62.02 64.33	55.59 57.73 59.91 62.15	57.95 60.11 62.32	60.36	1 2 2 1 2 1	00 14	00.01	66.06	68.67	71.32	1
114 115 116 117 118 119 120 121 122 122 123 124 125 126 127 128 129 129 129 129 129 129 129 129 129 129	55.40 57.56 59.77 62.02 64.33	57.73 59.91 62.15	60,11 62,32		62 81	63.14	65.67	68.25	70.88	73.56	1
15 16 17 18 19 20 21 22 23 24 25 26 27 28	57.56 59.77 62.02 64.33	59.91 62.15	62.32	62.54	02.01	65.32	67.88	70.48	73.14	75.84	
16 17 18 19 20 21 22 23 24 25 26 27 28	59.77 62.02 64.33	62.15	11 11 11		65.02	67.56	70.14	72.77	75.44	78.17	1
17 18 19 20 21 22 23 24 25 26 27 28	$62.02 \\ 64.33$	1000	200	64.78	67.28	69.84	72.44	75.10	77.80	80.56	
18 19 20 21 22 23 24 25 26 27 28	64.33	64.43	64.58	67.06	69.59	72.17	74.80	77.48	80.21	82.99	1
19 20 21 22 23 24 25 26 27 28	1.00 10 11		66.89	69.40	71.95	74.56	77.21	79.91	82.67	85.47	1
20 21 22 23 24 25 26 27 28 29	66.69	66.77	69.25	71.78	74.36	76.99	79.67	82.40	85.17	88.00	
20 21 22 23 24 25 26 27 28 29		69.15	71.65	74.21	76.81	79.47	82.17	84.93	87.73	90.58	
22 23 24 25 26 27 28 29	69.10	71.58	74.11	76.69	79.32	82.00	84.73	87.51	90.33	93.21	
22 23 24 25 26 27 28 29	71.56	74.06	76.62	79.22	81.88	84.58	87.33	90.14	92.99	95.89	2
23 24 25 26 27 28 29	74.06	76.59	79.17	81.80	84.48	87.21	89.99	92.81	95.69	98.62	
24 25 26 27 28 29	76.62	79.17	81.78	84.43	87.14	89.89	92.69	95.54		101.40	
26 27 28 29	79.22	81.80		87.11	89.84	92.62	95.44		101.25		
27 28 29	81.88	84.48		89.84	92.59	95.40			104.10		
27 28 29	84.58	87.21	89.89	92.62	95.40	98.22	101.10	104.02	107.00	110.02	2
28 29	87.33	89.99	92.69	95.44			104.00				
29	90.14	92.81	95.54				106.95				
	92.99	95.69					109.95				
20	95,89						113.00				
31	98.84	101.59	2000		1000	CO. 2	1.00		10 P Z - 0	O 1000	١.
		104.62									
		107.69									
		110.81									
		113.99									
700	to the second	117.21	a server to the first				19 10 10 10 10 10		100		
		120.48									
		123,80									
		127.17									
40 1	127.62	130.59	133.62	136.69	139.81	142.99	146.21	149.48	152.80	156.17	4
- A.	water to the	134.06	The same of the	Same of the same of		12 12 AS.	7.30 m 5.7		the second second	warring to the	
		137.58									
		141.15									
		144.77									
		148.43									
- 1	F 75 - 100	152.15			10000000		100000000000000000000000000000000000000		PERSONAL STATE	100000000000000000000000000000000000000	1
		155.91									
		159.73									
		163.59									
		167.51									
+		_	23	24				28	-		-

### .TABLE XLIL_BASE 50.—SLOPES 2 to 1.

Feet	31	32	33	34	35	36	37	38	39	40	Feet.
0	52.43	54.91	57.44	60.02	62.65	65.83	68.06	70.84	73.67	76.54	(
1	54.15	56.65	59.21	61.81	64.47	67.17	69.93	72.73	75.58	78.48	1
2	55.91	58.44	61.02	63,65	66.33	69.06	71.84	74.67	77.54	80.47	1
3	57.73	60.28	62.89	65.54	68, 25	71.00	73.80	76.65	79.56	82.51	1
4	59.59	62.17	64.80	67.48	70.21	72,99	75.81	78.69	81.62	84.59	4
5	61.51	64.11	66.77	69.47	72.22	75.02	77.88	80.78	83.78	86.73	1
6	63.47	66.10	68.78	71.51	74.28	77.11	79.99	82.91	85.89	88.91	1
7	65.48	68.14	70.84	73.59	76.40	79.25	82.15	85.10	88.10	91.15	1
8	67.54	70.22	72.95	75.78	78.56	81.43	84.36	87.33	90.36	93.43	1
9	69.65	72.36	75.11	77.91	80.77	83.67	86.62	89.62	92,67	95.77	1
10	71.81	74.54	77.32	80.15	83.02	85.95	88.93	91.95	95.02	98.15	1
11	74.02	76.78	79.58	82.43	85.33	88.28	91.28	94.33	97.43	100.58	1
12	76.28	79.06	81.89	84.77	87.69	90.67	93.69			103.06	
13	78.59	81.40	84.25	87.15	90.10		96.15	99.25	102.40	105.59	1
14	80.95	83.78	86.65	89.58	92.56	95.58	98.65	101.78	104.95	108.17	1
15	83.36	86.21	89.11	92.06	95.06	98.11	101.21	104.36	107.56	110.80	1.
16	85.81	88.69	91.62	94.59	97.62	100.69	103.81	106.99	110.21	113.48	1
17	88.32	91.22	94.17		100,22						
18	90.88	93.80	96.78		102.88						
19	93.48	96.43			105.58						
20	96.14		102.14								
21	2000	1000	104.89		Acres and a second						
10	101.59	104.69	107 60	110 81	118 99	117 91	120 48	123 80	197 17	130 59	2
22	104.40	107.44	110 54	113 69	116 89	190 14	128 43	126.78	130 17	133.62	9
	107.25										
25	110.15	113.95	116 40	119 59	122.84	126 14	129.48	132.88	136.32	139.81	2
26	113.10	116.22	119.40	122.62	120.89	129.21	195 79	190.00	149 67	142.99	2
27	116.10 119.15	119.20	122.44	100 01	120.00	105.00	199 09	149 40	145 01	140.21	0
20	122.25	195 44	100.04	121 00	195 99	199.79	149 17	145 87	149 91	159 80	2
	125.40										
7.7			20.00		0-2. 30	0.51	120,000	55675	0.00		15
	128.59										
	131.84										
	135.14										
	138.48										
	141.88	1000000	27.27.000		Contract Application	Maria Carlo	7 257 2 2 2	A STATE OF THE	2000 000	7500 1000	
	145.32										
	148.81										
	152.36										
	155.95										
	159.59										
11	163.28	166.78	170.32	173.91	177.56	181.25	184.99	188.78	192.62	196.51	4
42	167.02	170.54	174.11	177.73	181.40	185.11	188.88	192.69	196.56	200.47	4
13	170.81	174.36	177.95	181,59	185, 28	189.02	192.81	196.65	200.54	204.48	4
14	174.65	178.22	181.84	185.51	189.23	192.99	196.80	200.67	204.58	208.54	4
15	178.54	182.14	185.78	189.47	193.21	197.00	200.84	204.78	208.67	212.65	4
	182.48										
17	186.47	190.11	193.80	197.54	201.33	205.17	209.06	213.00	216.99	221.02	4
48	190.51	194.17	197.89	201.65	205.47	209.33	213.25	217.21	221.22	225.28	4
49	194,59	198.28	202.02	205.81	209.65	213.54	217.48	221.47	225.51	229.59	4
50	198.73	202.44	206, 21	210.02	213.89	217.80	221.77	225.78	229.84	233,95	5
	31	32	33	34	35	36	37	38	39	40	

TABLE XLII.—BASE 50.—SLOPES 2 to 1.

Feet	41	42	43	44	45	46	47	48	49	50	Feet
0	79.47	82.44	85.47	88,54	91.67	94.84	98.06	101.33	104.65	108.02	1
1	81.43	84.43	87.48	90.58	93.73	96.93				110.21	
2	83.44	86.47	89.54	92.67	95.84	The second second	222	1,00	POSTER TEN	112.44	
3	85.51	88.56	91.65	94.80						114.73	
5	87.62 89.78	90.69 92.88	93.81 96.02							117.06	
0		100 - 7 3 0			Jan Wall	1000 00 000	Water State	1.7.3.50	March 1997	119.44	1
6	91.99 94.25	95.11								121.88 124.36	
8	96.56									124.80	
9		102.11									
10										132.10	
11	103.78	107.02	110.32	113.67	117.06	120.51	124.00	127.54	131.14	134.78	1
12	106.28	109.56	112.88	116.25	119.67	123,14	126.65	130.22	133.84	137.51	1
										140.28	
14	111.44	114.77	118.14	121.56	125.02	128.54	132.11	135.73	139.40	143,11	1
57.71		No Street World	Mining Street	No. of Contract of	I will have	The state of the s	Visite mil		100000	145.99	т.
										148.91 151.89	
										154.91	
19	125.21	128.65	132.15	135.69	139.28	142.93	146.62	150.36	154.15	157.99	1
20	128.11	131.58	135.10	138.67	142.28	145.95	149.67	153,43	157.25	161.11	2
21	131.06	134.56	138.10	141.69	145.33	149.02	152.77	156.56	160.40	164.28	2
										167.51	
										170.78	
										174.10	
200		William Brown	A 5.5 (mm/d)		1000000000	the first party angular	1 19 12 10 10 10	1-0-1-2-24 24	A ST. SEC. SALE.	177.47	100
26	146,56	150.17	157 14	157.56	161.32	165.14	169.00	172.91	176.88	180.89	2
27	153 10	156 77	160 48	164 95	169.67	171 92	175 84	176.33	180.32	184.36 187.88	2
29	156.44	160.14	163.88	167.67	171.51	175.40	179 33	183 32	186 36	190.44	9
30	159.84	163.56	167.32	171.14	175.00	178.91	182.88	186.89	190.95	195.06	3
-301			The second second							198.73	1.
82	166.78	170.54	174.36	178,22	182.14	186.10	190.11	194.17	198.28	202.44	3
33	170.32	174,11	177.95	181.84	185.78	189.77	193.80	197.89	202.02	206.21	3
34	173.91	177.73	181.59	185.51	189.47	193.48	197.54	201.65	205.81	210.02	3
		U - A/2 - A	College to the land	and the same	I what had	ALL THE STATE OF THE PARTY.	- 10 E - D X	A SALAMA TOTAL	The second second	213.89	
36	181.25	185.11	189.02	192.99	197.00	201.06	205.17	209.33	213.54	217.80	3
38	188 78	192 69	196 65	200.67	200.84	204.93	209,06	215.25	217.48	221.77 225.78	3
39	192.62	196.56	200.54	204.58	208.67	212.80	216.99	221.22	225.51	229.84	3
10	196.51	200.47	204.48	208.54	212.65	216.81	221.02	225.28	229.59	233.95	4
41	200.44	204.43	208.47	212.56	216.69	220.88	225.11	229.40	233.73	238.11	4
12	204.43	208,44	212,51	216.62	220.78	224.99	229.25	233.56	237.91	242.32	4
13	208.47	212,51	216.59	220.73	224,91	229.15	233.43	237.77	242.15	246.58	4
										250.89	
		I was a second of the J			1	the Arthur Hall	Action Street		1000000	255.25	
16	220.88	224.99	229 15	233.36	237.62	241.93	246.28	250.69	255.15	259.65	4
48	229.11	229, 25	937 77	247 09	241.90	246.28	250.67	250, 10	209.08	264.11 268,62	4
										273.17	
50	238.11	242.32	246.58	250.89	255.25	259.65	264.11	268.62	273.17	277.78	5
_	_	_	-		-		_	-	-		-

### TABLE XLIII.—BASE 50.—SLOPES 2½ to 1.

Feet.	1	2	3	4	5	6	7	8	9	10	Feet.
0	0.96	2000	3.06		5.40	6.67	7.99	9.38	10.83	12.35	0
1	1.94	2.99	4.11	5.28	6.51	7.81	9.17	10.59	12.07	13,61	1
3	2.99 4.11	4.07 5.22	5.22 6.39	6.42 7.62	7.69 8.92	9.01	10.40 11.70	11.85 13.18	13.36 14.72	14.94 16.33	2 3
4	5.28	6.42	7.62	8.89	10.22	11.61	13.06	14.57	16.14	17.78	4
5	6.51	7.69	8.92	10.22	11.57	12.99			17.62	19.29	5
6	7.81	9.01	10.28	11.61	12.99	14.44	15.96	17.53	19.17	20.86	6
7	9.17	10.40	11.70	13.06	14.48	15.96		19.11	20.77	22.50	7
8	10.59		13.18	1000	16.02	17.53		20.74		24.20	
9	12.07	13.36	14.72	16.14	17.62	19.17	20.77	22.44	24.17	25.96	100
10	13.61	14,94	16.33	17.78	19.29	20.86			25.96	27.78	
11	15.22	16.57	17.99	19.48	21.02	22.62		26.02	27.81	29.66	
12 13	16.88 18.61	18.27 20.03	19.72 21.51	21.23 23.06	22.81 24.66	24.44 26.33			29.72 31.70	31.61 33.61	
14	20.40	21.85	23.36	24.94	26.57	28.27	30.03		33.73	35.68	
15	22.25	23.73	25.28	26.88	28.55	30.28		33.92		37.81	
16	24.17	25.68	27.25	28.89	30.59	32,35	Charlet and	36.05	1000000	40.00	
17	26.14	27.69	29.29	30.96	82.69	34.48				42.25	
18	28.18	29.75	31.39	33.09	34.85	36.67	100000000000000000000000000000000000000	40.49	42.50	44,57	
19	30.28		33.55	35.28	37.07	38.92		42.81	44.85	46.94	
20	32.44	1000	35.77	37.53	39.35	41.23	1000000	1.00	1000000	49.38	36.3
21	34.66		38.06		41.70	43.61	45.59	47.62	49.72	51.88	
$\frac{22}{23}$	36.94 39.29	38.64 41.02	40.40	42.22 44.66	44.11	46.05	the second second	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	52.25 54.85	54.44	
$\frac{25}{24}$	41.70	43.46	45.28	47.16	49.11	51.11	53.18	55.31	57.50	57.07 59.75	
25	44.17	45.96	47.81	49.72	51.70	53.73		57.99	60.22	62.50	
26	46:70	48.52	50.40	52.35	54.35	56.42	58.55	60.74	62.99	65.31	150
27	49.29	51.14	53.06		57.07	59.17	61.33	63.55	65.83	68.18	
28		53,83	55.77	57.78	59.85	61.98	64.17	66.42		71.11	
29	54.66		58.55	60.59	62,69	64.85	67.07	69.35	71.70	74.10	
30	57.44	ALC: No CO.	61,39	63.46	1000	67.78	100	72.35	74.72	77.16	1
31	60.28	100 to 6 to 61	64.29	66.39	68.55	70.77	73.06		77.81	80.28	
$\frac{32}{33}$	63.18 66.14	65.19 68.18	67.25 70.28	69.38 72.44	71.57 74.66	73.83		78.52 81.70	80,96 84,17	83.46 86.70	
34	69.17	71.23	73.36	75.56	77.81	80.12		84.94			
35	72.25		76.51	78.73	81.02	83.36		88.24		93.36	
36	75.40	77.53	79.72	81.98	84.29	86.67	89.11	91.60	10 To 10 Oct.	96.79	36
37	78.61	80.77	82.99		87.62	90.03			97.62	100.28	37
38	81.88	84.07	86.33		91.02	93.46		98.52			
39	85.22	87.44	89.72	92.07	94.48	96.94		102.07			
40	88.61	90.86		Application of the	Control Control		southern beauty	105.68	and the state of t		100
41	92.07 95.59		96.70					109.35 113.09			
42 43								116.88			
	102.81										
	106.51										
46	110.28	112.72	115.22	117.78	120.40	123.09	125.83	128.64	131.51	134.44	46
47	114.10	116.57	119.10	121.70	124.35	127.07	129.85	132.68	135.59	138.55	47
	117.99										
	121.94 125.96										
00	120.96	120.02	101.14	100.00	100.07	100.00	142.25	140.18	140.18	101.28	90
	1	2	3	4	5	6	7	8	9	10	1
	1	4	0	4	0	0		0	9	10	

### TABLE XLIIL_BASE 50._SLOPES 21 to 1.

Feet	11	12	13	14	15	16	17	18	19	20	Poet.
0	13.92	15.56	17.25		20.83	22.72	24.66	26.67	28.73	30.86	
1	15.22	16.88	18.61	20.40	22,25	24.17	26.14	28.18	30,28	32.44	
2	16.57	18.27	20.03	21.85	23.73		27.69	29.75	31.88	34.07	1
3	17.99	19.72	21.51	23.36	25.28	27.25	29.29	31.39	33.55	35.77	1 5
4	19,48	21.23	23.06	24.94	26.88	28.89	30.96	33.09	35.28	37.53	1 4
5	21.02	22,81	24.66		28,55	30.59	32.69	34.85	37.07	39.35	
6	22.62	24.44		28.27	30.28	32.35	34.48	36.67	38.92	41.23	
7	24.29	26.14	28.06	30.03	32.07	34.17	36.33	38.55	40.83	43.18	
8	26.02	27.90	29.85	31.85	33.92	36.05	38.24	40.49	42.81	45.19	
9	27.81	29.72 31.61	31,70	33.73	35.83 37.81	37.99	40.22 42.25	42.50	44.85	47.25	
10	29.66		33.61	35.68		40.00	11222	12.20.40	46.94	49.38	100
11	31.57	83.55	85.59	37.69	89.85	42.07	44.35	46.70	49.11	51.57	
12	33.55	35.56	37.62	39.75	41.94	44.20	46.51	48.89	51.33	53.83	
13	35.59 37.69	37.62 39.75	39.72 41.88	41.88	44.11	46.39	48.73 51.02	51.14 53.46	53.61 55.96	56.14	
14	39.85	41.94	44.11	46.33	48.61	50.96	53.86	55.83	58.36	58.52 60.96	
15	LYS KOY	1000000	1.000	A physical and	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	100000000000000000000000000000000000000	Press (200)	100 KC CMM	1 100 100	1 1 2 2 2 2 2 2 2 2	1
16	42.07	44.20	46.39	48.64	50.96	58.83	55.77	58.27	60.83	63.46	
17	44.35	46.51	48.73	51.02	53.36	55.77	58.24	60.77	63.36	66.02	
18	46.70	48.89 51.33	51,14 53,61	53.46	55.83 58.36	58.27 60.83	60.77	63.33 65.96	65,96	68.64	
19 20	51.57	53,83	56.14	58.52	60.96	63.46	66.02	68.64	71.33	71.33	
	1.5cmm0		V1.74.1.11	No. of the last		10 TO 10 TO 1	ACCOUNT.	06.000	7.4	74.07	1
21	54.11	56.89	58.73	61.14	63.61	66.14	68.73	71.39	74.10	76.88	
22	56.70	59.01	61.39	63.83	66.33	68.89	71.51	74.20	76.94	79.75	
23	59.35	61.70	66,88	66.57 69.38	69.10	71.70	74.35	77.07	79.85	82.69	
24 25	62.07 $64.85$	64.44 $67.25$	69.72	72.25	71.94 $74.85$	74.57	77.25 80.22	80.00 82.99	82.81 85.83	85.68 88.78	
354	1.101.09	42000	TO HE WAY	2000	HOUSE LINE	100000000	10,110,000	1 A 1 S 1 S 1 S 1 S 1 S 1 S 1 S 1 S 1 S	1000	A 4.35 Sec.	ļ
26	67.69	70.12	72.62	75.19	77.81	80.49	83.24	86.05	88.92	91.85	
27	70.59	73.06	75.59	78.18	80.83	83.55	86.33	89.17	92.07	95.03	
28	78.55	76.05	78.61 81.70	81.23	83.92	86.67 89.85	89.48	92.85	95.28	98.27	1
29	76.57	79,10 $82,22$	84.85	84,35 87.53	87.07 90.28	93.09	92.69 95.96	95.59	101.88	101.57	
30	15.00		C 1		13.57 5 3	100000000000000000000000000000000000000	1000		oraco Paul		1
31	82.81	85.40	88.06	90.77	93.55	96.39			105.28		
32	86.02	88.64	91.83	94.07	96.88		102.69				
33	89.29	91.94	94.66				106.14				
34 35	92.62 96.02	95.31	101.51				109,66				
	Note Section	244	Part Control		A 1 4 4 5 4	Acres 2017	0.00		A COS SARON	0. 11. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	1
86			105.03								
			108.61								
			$112.25 \\ 115.96$								
			119.72								
	1 Ann 16		Color Tolland Col			25 25 11			Annual Section	A 5 10 10 1	
			123.55								
			127.44								
			131.39 $135.40$								
			139.47								
10.1	1000		FL 305 309		27/2012/19/20	1. 3.07	C. S. C. C. C. S.		100000	100000000000000000000000000000000000000	1
			143.61								
			147.81 152.07								
40	140: 11										
	150 02										
49	150.03 154.35										
49			160,77								

#### TABLE XLIII.—BASE 50.—SLOPES 21 to 1.

Feet	21	22	23	24	25	26	27	28	29	30	Feet.
0	83.06	35.31	87.62	40.00	42.44	44.94	47.50	50.12	52.81	55.56	0
1	34.66	36.94	39.29	41.70	44.17	46.70	49,29	51.94	54.66	57.44	1
2	36.31	38.64	41.02	43.46	45,96	48,52	51.14	53.83	56.57	59.38	2
3	38.06	40.40	42.81	45.28	47.81	50.40	53.06	55.77	58.55	61.39	8
4	39.85	42.22	44.66	47.16	49.72		55.03	57.78	60.59	63.46	4
5	41.70	44.11	46.57	49.11	51.70	54.35	57.07	59.85	62.69	65.59	1
6	43.61	46.05	48.55	51.11	53.73		59.17	61.98	64.85	67.78	
7	45.59	48.06	50.59	53.18	55.83		61.33	64.17	67.07	70.03	
8	47.62	50.12	52.69	55.31	57.99	60.74	63.55	66.42	69.35	72.35	
9	49.72	52.25	54.85	57.50	60.22		65.83	68.73	71.70	74.72	
10	51.88	54.44	57.07	59.75	62.50	65.31	68.18	71.11	74.10	77.16	10
11	54.11	56.70	59.35	62.07	64.85	67.69	70.59	73.55	76.57	79.66	11
12	56.39	59.01	61.70	64.44	67.25	70.12	73.06	76.05	79.10	82.22	12
13	58.73	61.39	64.11	66.88	69.72	72.62	75.59	78.61	81.70	84.85	12
14	61.14	63.83	66.57	69.38	72.25	75.19	78.18	81.23	84.35	87.53	14
15	63.61	66.33	69.10	71.94	74.85	77.81	80.83	83.92	87.07	90.28	14
16	66.14	68.89	71.70	74.57	77.50	80.49	83.55	86.67	89.85	93.09	16
17	68.73	71.51	74.35	77.25	80.22		86.33	89.48	92.69	95.96	
18	71.39	74.20	77.07	80.00	82.99	86.05	89.17	92.35	95.59	98.89	18
19	74.10	76.94	79.85	82.81	85.88		92.07	95.28	98.55	101.88	15
20	76.88	79.75	82.69	85.68	88.73	91.85	95.03	98.27	101.57	104.94	20
21	79.72	82.62	85.59	88.61	91.70	94.85	98.06	101.33	104.66	108.06	21
22	82.62	85.56	88.55	91.60		97.90					
23	85.59	88.55	91.57	94.66		101.02					
24	88.61	91.60	94.66			104.20					
25	91.70	94.72	97.81	100.96							
26	94.85	97.90	101.02	104.20	107.44	110.74	114.10	117.53	121.02	124.57	26
27		101.14	104.29	107.50	110.77	114.10	117.50	120.96	124.48	128.06	27
-	101.33										
	104.66										
	108.06										
31	111.51	114.72	117.99	121.33	124.72	128.18	131.70	135.28	138.92	142.62	31
	115.03										
	118.61										
	122.25										
	125.96										
36	129.72	183 09	186 51	140 00	143 55	147 16	150 83	154 57	158.36	162 92	36
	133.55										
	187.44										
	141.39										
	145.40										
	149.47	A Company of the Comp		2000000	14/00/10/20/20 PM	V 5 mg 5 mg -	11 Y SHIP	100000000000000000000000000000000000000		Production State	15.5
	153.61										
	157.81										
	162.07										
	166.39										
	A			1000	1.80 1.75	F 1 A 4 9	10.00		0.4000,000,000	100000000000000000000000000000000000000	
	170.77										
	175.22										
	179.72										
	184.29 188.92										
11.			-20.51	-50, 20							_
_											

### TABLE XLIII.—BASE 50.—SLOPES 21 to 1.

Feet	31	32	33	34	35	36	37	38	39	40	Pant
0	58.36	61,23	64.17	67.16	70.22	73.33	76.51	79.75	83.06	86.42	
1	60.28	63.18	66.14	69.17	72.25	75.40	78.61	81.88	85.22	88.61	1
2	62.25	65.19	68.18	71.23		77.53	80.77		87.44	90.86	
3	64.29	67.25	70.28	73.36		79.72	82.99	86.33	89.72	93.18	
4	66.39		72.44	75.56		81.98	85.28		92.07	95.56	
5	68.55	71.57	74.66	77.81	81.02	84.29	87.62	91.02	94.48	97.99	1
6	70.77	73.83	76.94	80.12	83.36		90.03			100.49	
7	73.06		79.29	82.50		89.11				103.06	
8	75.40	78.52	81.70	84.94		91.60				105.68	
9	77.81	80.96	84.17	87.44					the same later	108.36	1
10	80.28	83.46	86.70		1 1000	The second	CSC . C D . I		10000000	111.11	1.
11	82,81	86.02	89.29	92.62						113.92	
12	85.41	88.64	91.94							116.79	
13	88.06	91.33								119.72	
14	90.77	94.07	100.28							122.72	
15	93.55						100			The state of the state of	
16	96.39		103.18								
17			106.14								
			109.17								
			112.25 $115.40$								
-	Appropriate the second	March March 1997	to the second second	the state of the state	1		and the same	A CONTRACTOR OF THE PARTY OF TH		La Carrier and	1.
			118.61								
			121,88								
			125.22								
			128.61								
	7.500		132.07	300 F 7 11			12 - 10 - 10	15.000.000.000	5.00.00	DELL'S	1.
			135.59								
			139.17								
			142.81 $146.51$								
			150.28								
. 1	1 - W. W. C.		The part of the said	and the state of	1000000000		WWW. 25	Variation of the same	Color Const	06,0000	1.
			154.10								
			157.99								
			161.94 $165.96$								
			170.03								
	1 1 1 1 1 1 1 1		A 200 C C C C C C C C C C C C C C C C C C	17.00 0 0 0	and the same of the		3070 3845	100 20 5 1	water fair	Maria La Artico	ь.
			174.17 178.36								
			182.62								
00	178 73	189 81	186.94	191.14	195.40	199.79	204.10	208.55	213.05	217.62	1
10	183.05	187.16	191.33	195.55	199.84	204.20	208,61	213.09	217.62	222.22	ŀ
- 1		4.14.13.14	100000	STATE OF THE	ACTOR 11-75	4 1744 7 144	10.000	1 Trans 1 1	March 20	DUSTRU	1
			195.77 $200.28$								
			204.84								
			209.47								
15	205.59	209.84	214.17	218.55	222.99	227.50	232.07	236.70	241.39	246, 14	4
			218.92								
17	215 03	219 35	223.73	228 18	232 68	237 25	241.88	246.57	251.33	256.14	l
			228.61								
			233.55								
			238.55								
7	31	32	33	34	35	36	37	38	39	40	Γ

## TABLE XLIII.—BASE 50.—SLOPES $2\frac{1}{2}$ to 1.

Feet	41	42	43	44	45	46	47	48	49	50	Feet.
0	89.85	93.33	96.88	100.49	104.17	107.90	111.70	115.56	119.48	123.46	-
1	92.07	95.59				110.28					
2	94.35					112.72					
3		100.28									
4		102.72 $105.22$									
- 11		100	1.3399.53	11 11 20 20 20 11	15 16 20 10 10 11	2002-2017/25	100.3 27.1	0.2857.290	100,000,000	0.000	i
		107.78									6
		110.40 $113.09$									8
		115.83									
		118.64									
	50556	121.51		The state of the s		Carlotte State			17 16 16 16 16 16 16 16 16 16 16 16 16 16	100000000000000000000000000000000000000	127
		124.44									
		127.44									
		130.49									
15	129.67	133.61	137.62	141.70	145.83	150.03	154.29	158.61	162.99	167.44	15
16	132.81	136.79	140.83	144,94	149.10	153.33	157.62	161.97	166.39	170.86	16
		140.03									
		143.33									
		146.70									
201		150.12	10000	5.03773374	100100	Annual Control	The second	10 13 10	(150 Ser.)	05000	100
		153.61									
		157.16									
		160.77									
		164.44 168.18									
		in administration of the	1 2 2 1000	10 Sept. 10 Sept. 10		1 1 1 1 1.	Wall-de Street	1000	100000	7 7 7 9 7 9	1
		171.97 175.83									
		179.75									
		183.73									
		187.78									
- 1		191.88	Carrier Santa		DEG TE	25.00.00	K = 0 1 1 1 1	1000	0,000,000		100
		196.05									
		200.28									
		204.57									
35	204.35	208.92	213.55	218.24	222.99	227.81	232.68	237.62	242.62	247.68	3
36	208.73	213.33	217.99	222.72	227.50	232.34	237.25	242.22	247.25	252.34	36
37	213.18	217.81	222.50	227.25	232.07	236.94	241.88	246.88	251.94	257.07	37
		222.34									
		226.94									
5.3		231.60	200 500	000000	Capa Sala	Maria Santa	P. C. Y. GC.	C1 = 0 5 = 0	SECTION AND ADDRESS OF THE PARTY OF THE PART	of die	1
		286.33									
		241.11									
		245.96 250.86									
		255.83									
69			1000			Section 1981	SAME WO	A CHILD CO.		100	-
		260.86 265.96									
		271.11									
		276.33									
		281.60									
-	41	42	43	44	45	46	47	48	49	50	

### TABLE XLIV.—BASE 50.—SLOPES 3 to 1.

Feet	1	2	3	4	5	6	7	8	9	10	1
0	0.95	2.00	3.11	4.30	5.56	6.89	8.30	9.78	11.33	12,96	-
1	1.96	3.04		5.41	6.70	8.07	9.52	11.04	12.63	14.30	
2	3.04	4.15	5.33	6.59	7.93	9.33	10.81	12.37	14.00	15.70	
3	4.19	5.83	6.56	7.85	9.22	10.67	12.19	13.78	15.44	17.19	1
4	5.41	6.59	7.85	9.19	10.59	12.07	13,63	15,26	16.96	18.74	
5	6.70	7.98	9.22	10.59	12.04	13.56	15.15	16.81	18,56	20.37	1
6	8.07	9.88	10.67	12.07	13.56	15.11	16.74	18.44	20.22	22.07	1
7	9.52	10.81	12.19	13.68	15.15	16.74	18.41	20.15	21.96	23.85	
8	11.04	12.37	13.78	15.26		18.44	20.15	21.93	23.78	25.70	
9	12.63	14.00	15.44	16.96	18.56	20.22	21.96	23.78	25.67	27.63	
10	14.30	15.70	17.19	18.74	20.87	22.07	23.85	25.70	27.63	29.63	1
11	16.04	17.48	19.00	20.59	22.26	24.00	25.81	27.70	29.67	31.70	h
12	17.85	19.33	20.89	22.52	24.22	26.00		29.78	31.78	33.85	
13	19.74	21.26		24.52	26.26		29.96	31.93	33.96	36.07	
14	21.70	28.26		26.59	28.37	30.22	32.15	34.15	36.22	38.37	
15	23.74	25.33	27.00	28.74	30.56	32.44	34.41	36.44	38.56	40.74	ı
6	25.85	27.48	29.19	80.96	32.81	34.74	36.74	38.81	40.96	43.19	h
7	28.04	29.70		33.26	85.15	37.11	39.15	41.26	43.44	45.70	
8	80.30	82.00		35.68	I was a second		41.63	43.78		48.30	
9	32.63	84.87	86.19	38.07	40.04	42.07	44.19	46.37	48.63	50.96	
20	35.04	36.81	38.67	40.59	42.59	44.67	46,81	49.04	51.33	53.70	
1	37.52	39.33	18,000	43.19	45.22	47.33	49.52	51.78	54.11	56.52	г
2	40.07	41.93	43.85	45.85		50.07	52.30	54.59	56.96	59.41	
3	42.70	44.59	46.56	48.59	50.70	52.89	55.15	57.48	59.89	62.37	8.
24	45.41	47.88	1000000	51.41	53.56	55.78	58.07	60.44	62.89	65.41	
25	48.19	50.15		54.30	56.48	58.74	61.07	63.48		68.52	
26	51.04	53.04	55.11	57.26	123 32	61.78	64.15	66.59	69.11	71.70	•
27	53.96	56.00		60.30			67.30	69.78		74.96	
28	56.96	59.04		63.41	65.70	68.07	70.52	73.04	75.63	78.30	
29	60.04	62.15	64.83	66.59	68.93		73.81	76.37	79.00	1	٠.
30	63.19	65.33	Line and the factor	69.85	72.22	74.67	77.19	79.78	100000	85.19	1
31	66.41	68.59		73.19	75.59	78.07	80.63	83.26	-00000000000000000000000000000000000000	88.74	ı.
2	69.70	71.93	1000	76.59				86.81	89.56		10
38	73.07	75.33	77.67	80.07	82.56		87.74	90.44		96.07	
34	76.52	78.81	81.19	83.63			91.41	94.15	96.96		
35	80.04	82.37	84.78	87.26		92.44	95.15		100.78		
6	83.68	86.00	10,750 300	90.96	100 mm - 100	1 1 mm	15 (6) 10 (6)	1000	104.67	100000000000000000000000000000000000000	L
7	87.30						102.85				
8	91.04	93.48					106.81				
9	94.85						110.85				
0			103.85								
- 1	1		107.89		100000	10000		700 37 37			1
			112.00								
			116, 19								
			120.44								
			124.78								
- 1	to the Arms of the	200	129.19	100		100,000,000	200 200 2	100		The second second	П
			133.67								
			138. 22								
			142.85								
			147.56								
-		-		_			-				-
- 1	1	2	3	4	5	6	7	8	9	10	1

TABLE XLIV.—BASE 50.—SLOPES 3 to 1.

Post	11	12	13	14	15	16	17	18	19	20	Foot.
0											
2	17.48	1		23.26	25.33	27.48	29.70	32.00	34.3	7 36.81	
3 4											
5											
6								39.56			-
7 8	25.81 27.70										
9	29.67			36.22 38.37	38.56 40.74			46.00	1		
10 11	81.70 83.81	33.85 36.00	1	40.59	43.00	l	ł	48.30 50.67	1	1	
12	<b>86.0</b> 0	38.22	40.52	42.89	45.33	47.85	50.44	53.11	55.85	58.67	12
18 14	38.26 40.59	40.52   42.89	42.85 45.26	45.26 47.70	47.74 50.22	50.30 52.81	52.93 55.48	55.63 58.22		1	
15	43.00	45.33	47.74	50.22	52.78	55.41	58.11	60.89			
16 17	45.48 48.04	47.85	50.30 52.93	52.81 55.48	55.41 58.11	58.07 60.81	60.81 63.59	63.63 66.44	66.52 69.37		
18	50.67	50.44 53.11	55.68	58.22	60.89	63.63	66.44	69.33	72.30		
19 20	53.37 56.15	55.85 58.67	58.41 61.26	61.04 63.93	68.74 66.67	66.52 69.48	69.37 72.37	72.30 75.33	75.30 78.37		
21	59.00	61.56	64.19	66.89	69.67	72.52	75.44	78.44	81.52	81.48 84.67	
22	61.93	64.52	67.19	69.93	72.74	75.63	78.59	81.63	84.74	87.93	22
28 24	64.93 68.00	67.56 70.67	70.26 $73.41$	78.04 76.22	75.89 79.11	78.81 82.07	81.81 85.11	84.89 88.22	88.04 91.41	91.26 94.67	
25	71.15	73.85	76.63	79.48	82.41	85.41	88.48	91.63	94.85	98.15	
26	74.87	77.11	79.93	82.81	85.78	88.81	91.98	95.11		101.70	
27 28	77.67 81.04	80.44 83.85	83.30 86.74	86.22 89.70	89.22 92.74	92.30 95.85	95.44 99.04			105.33 109.04	
29	84.48	87.88	90.26	98.26	96.83		102.70				
30 31	88.00 91.59	90.89 94.52	93.85				106.44 110.26				
32	95.26	98.22	101.26	104.37	107.56	110.81	114.15	117.56	121.04	124.59	32
33 34			105.07 108.96								
			112.93								
			116.96								
			121.07 125.26								
39 1	123.00	126, 22	129.52	182.89	136.33	139.85	143.44	147.11	150.85	154.67	89
			133.85 138.26			1		1			
42 1	186.00	139.33	142.74	146.22	149.78	153.41	157.11	160.89	164.74	168.67	42
			147.30 1 151.93 1							4-0 0-1	43 44
			156.63								
			161.41								
			166.26 $171.19$ $1$								
49 1	68.93	172.52	176. 19 1	179.93	183.74	187.63	191.59	195.63	199.74	203.93	49
001	10.90		181.26	00.04	100.09	32.81	130.81	.00.89	200.04	203.20	- -
	11	12	13	14	15	16	17	18	19	20	

TABLE XLIV.—BASE 50.—SLOPES 3 to 1.

Feet	21	22	23	24	25	26	27	28	29	30	Post.
0,	35.78	38.30	40.89	43.56	46.30	49.11	52.00	54.96	58.00	61.11	1
1	37.52	40.07	42.70	45,41	48, 19	51.04	53.96	56.96		63.19	ľ
2	39,33	41.93	44.59	47.33	50, 15	53.04	56.00	59.04	62.15	65.33	
3	41,22	43.85	46.56	49.33	52.19		58.11	61.19	64.33	67.56	
4	43.19	45.85	48.59	51.41	54.30			63,41	66.59	69.85	U,
5	45,22	47.93	50.70	53.56	56,48	The second second	62.56	65.70		72.22	
6	47.33	50.07	52.89	55.78	58.74	61.78	64.89	68.07	71.33	74.67	
7	49.52	52.30	55.15		61.07	64.15	67.30	70.52	73.81	77.19	
8	51.78	54.59			63.48		69.78	73.04	76.37	79.78	
9	54.11	56.96	59.89		65.96		72.33	75.63	79.00	82.44	
10	56.52	59.41	62.87		68.52			78.30		85.19	
11	59.00	61.93	64.93	68.00	71.15	0-10-1	77.67	81.04	84.48		
12	61.56	64.52	67.56		73.85		80.44	83.85		88.00	
13	64.19	67.19			76,63			86.74	87.33 90.26		
14	66.89	69.93			79.48		86.22	89.70		93.85	
15	69.67	72.74	75.89		82.41		0.00	92.74			
16.	40.000		1-1-1	(C.C.)	11/3/27/25/21	Land Spirit	In Fact of the In-	1000000	1000000	100.00	
		75.68	78.81		85.41		92.30	95.85		103.19	
17	75.44	78.59	81.81	85.11	88.48				102.70	106.44	1
18	78.44 81.52	81.63	84.89				98.67	102.30	106.00	109.78	1
20		84.74	88.04	10000	94.85		101.96	105.63	109.37	113,19	1
5/4	3.2.2.2.2	130.541	91.26	100000000000000000000000000000000000000	98.10	101.70	105.33	109.04	112.81	116.67	2
21	87.89	91.19	94.56	98.00	101.52	105.11	108.78	112.52	116.33	120.22	2
22		94.52	97.93	101.41	104.96	108.59	112.30	116.07	119.93	123 85	9
23	94.56	97.93	101.37	104.89	108.48	112.15	115.89	119,70	123 59	127.56	9
24	98.00	101.41	104.89	108.44	112.07	115.78	119.56	123.41	127.33	131.33	2
25	101.52	104,96	108.48	112.07	115.74	119.48	123.30	127.19	131.15	135, 19	2
26	105.11	108.59	112.15	115.78	119.48	123, 26	127, 11	131.04	135 04	139 11	9
27	108.78	112.30.	115.89	119,56	123, 30	127, 11	131.00	134.96	139.00	143 11	3
28	112.52	116.07	119.70	123,41	127.19	131.04	134.96	138.96	143.04	147 19	9
29	116.33	119.93	123,59	127.33	131, 15	135.04	139.00	143.04	147.15	151 33	9
30	120.22	123.85	127.56	131.33	135.19	139.11	143.11	147, 19	151.33	155.56	9
31	124.19	197 85	131 59	125 41	120 20	112 90	147 90	151 41	155 50	170 07	ľ
29	128.22	131 93	135 70	120 56	142 49	145.20	151 50	151.41	150.09	109.80	3
99	132.33	186 07	120 80	110 70	147 74	151 70	131.30	100.70	109.93	164.22	0
24	136.52	140.80	144 15	149.07	159 07	150 15	100.00	100.07	104.00	108.07	3
35	140.78	144 59	148.48	159 44	156 48	160 59	164 78	169.04	108.81	173.19	0
00	145 11	140 00	150 00	150 00	100.10	100.00	102.10	103.04	110.01	111.10	0
20	145.11	148.96	152.89	106.89	160.96	165.11	169.33	173.63	178.00	182.44	3
00	149.52	157 00	101.01	161.41	165.52	169.70	173.96	178.30	182.70	187.19	3
96	154.00	100.00	101.95	166.00	170.15	174.37	178.67	183.04	187.48	192.00	3
40	158.56	162.32	171 96	170.67	174.85	179.11	183.44	187.85	192.33	196.89	3
10	163.19	107.13	171.20	175.41	179.63	185.95	188.30	192.74	197.26	201.85	4
41	167.89	171.93	176.04	180, 22	184.48	188.81	193.22	197.70	202.26	206.89	4
42	172.67	176.74	180.89	185.11	189.41	193.78	198.22	202.74	207.33	212.00	4
43	177.52	181.63	185,81	190.07	194,41	198.81	203.30	207.85	212.48	217.19	4
44	182.44	186.59	190.81	195, 11	199.48	203.93	208,44	213.04	217.70	222 44	4
45	187.44	191.63	195,89	200.22	204.63	209.11	213,67	218.30	223.00	227.78	4
46	192.52	196.74	201.04	205.41	209.85	214.37	218.96	223.63	228.37	233, 19	4
47	197.67	201.93	206.26	210.67	215, 15	219.70	224, 33	229 04	233.81	238 67	l.t
48	202.89	207.19	211.56	216.00	220.52	225, 11	229.78	234.52	239.33	244, 22	4
49	208.19	212.52	216.93	221.41	225.96	230,59	235, 30	240,07	244.93	249.85	4
50	213.56	217,93	222.37	226.89	231.48	236.15	240.89	245.70	250.59	255.56	5
-			_		_	-	-			22.08	-
- 1	21	22	23	24	25	26	27	28	29		61

# TABLE XLIV.—BASE 50.—SLOPES 3 to 1.

Feet	31	32	33	34	35	36	37	38	39	40	Feet.
0	64.30	67.56	70.89	74.30	77.78	81.33	84.96	88.67	92.44	96.30	1
1	66.41	69.70	73.07	76.52	80.04	83.63	87.30	91.04	94.85	98.74	
2	68.59	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	75.33	78.81	82.37	86.00	89.70			101.26	
3	70.85		77.67	81.19	84.78					103.85	
4	73.19		80.07	83.63	87.26					106.52	
5	75.59	1	82.56	Developed.	89.81	93.56	Carry System		No. of Section 19 and 19	109.26	
6	78.07	81.56	85.11	88.74	92.44		100.07				1
7	80.63		87.74	91.41	95.15		102.85				
8	83.26	Programme and the	90.44	94.15			105.70				
9	85.96		93.22				108,63				
10	88.74	133960	96.07	99.85	103.70	107.63	111.63	115.70	119.85	124.07	1
11	91.59	1000	No. Co. Co. Co. Co.				114.70				
12		98.22									
13		101.26									
		104.37									
354		107.56		and the second	A CONTRACTOR OF THE	March 1987	Commence of the		August 19 and		
		110.81									
		114, 15									
		117.56									
		121.04									
0.00		124.59	Charles Services	50000000	5775.3000		10000		OF BEECH		
		128.22									
		131.93									
		135.70									
		139.56									
		143.48	to the should	Landau Toronto	NAME AND ADDRESS OF	11/20/20/20 20:11	Control of the Control of the		Harmon St. Company	100000000000000000000000000000000000000	
		147.48									
		151.56									
		155.70									
		159.93									
300		164.22			122 20 20 2	100000000000000000000000000000000000000	3.000	LATE SILV.	0.000.00		
		168.59									
		173.04									
		177.56									
		182.15									
		186.81		and the last of the last	A second second	and the same of the same of	A			and the second	
		191.56									
		196.37									
		201.26									
		206.22									
U)		211.26				0.00000			MILE TENTO	DESCRIPTION OF THE	
		216.37									
		221.56									
		226.81									
		232.15									
- 4	Sec. 2017	237.56	6.627 6.1			Land Bridge	15 ST 10 25 Z		4 4 6 5	1 may 2 miles	
		243.04									
		248.59									
		254.22									
		259.93									
-0	200.09	265.70	270.89	270.15	201.48	200.89	202.07	207.93	000.06	509.26	0
П	31	32	33	34	35	36	37	38	39	40	

#### TABLE XLIV.-BASE 50.-SLOPES 3 to 1.

Peed	41	42	43	44	45	46	47	48	49	50	Pag.
0	100.22	104.22	108.30	112.44	116.67	120.96	125.33	129.78	134.30	138.89	1
							128.04				
							130.81				
							133.67				
							136.59				
5	113.37	117.56	121.81	126.15	130.56	135.04	139.59	144.22	148.93	153.70	1
							142.67				
							145.81				
							149.04				
		North Action Co.		and the same of			152.33		200	The same of the sa	L
1		0.00000.00			0.000000	0.01000	155.70				Ŀ
							159.15				
					A CONTRACTOR OF THE PARTY OF TH		162.67		202 22	the last of the last	
							166.26				
							169.93 173.67				
. 4	A STATE OF	200	March 10, 116	Mrs (2) 11 1	A NOW INVESTIGATION	15-15 Car		September 1988	5000	W22 BY	Ŀ
							177.48				
							181.37 185.33				
							189.37				
							193.48				
5.1			0.500	The state of the s	CONTROL OF		197.67		5	L1000000	L
							201.93				
							206.26				
							210.67				
							215.15				
81	has done w	1. A 1. WOOd	100000000000000000000000000000000000000		The state of the state of	Marie Control	219.70	to thought of	Service Control	75000	
							224.33				
							229.04				
29	202.26	207.33	212.48	217.70	223.00	228.37	233,81	239.33	244.93	250.59	2
30	206.89	212,00	217.19	222.44	227.78	233.19	238.67	244, 22	249.85	255.56	3
31	211.59	216.74	221.96	227.26	232.63	238.07	243.59	249.19	254.85	259.59	3
							248.59				
33	221.22	226.44	231.74	237.11	242,56	248.07	253.67	259,33	265.07	270.89	3
14	226.15	231.41	236.74	242.15	247.63	253, 19	258.81	264.52	270,30	276.15	3
35	231.15	236.44	241.81	247.26	252.78	258.37	264.04	269.78	275.59	281.48	3
16	236.22	241.56	246.96	252.44	258.00	263.63	269.33	275.11	280.96	286.89	3
17	241.37	246.74	252.19	257.70	263.30	268.96	274.70	280.52	286.41	292.37	3
							280.15				
							285.67				
EO	257.26	262.74	268.30	273.93	279.63	285.41	291.26	297.19	303.19	309.26	4
							296.93				
							302.67				
							308.48				
							314.37				
23	250 200	22/2/2010	EN 12 (13)		200	37 37 37	320,33		5 S No. 3	Control of the	١.
							326.37				
							332.48				
							338.67 344.93				
							351, 26				
٦	41	42	43	1.0	45		Terr	25		50	-

### TABLE XLV.—BASE 50.—SLOPES 3½ to 1.

Poot.	1	2	3	4	5	6	7	8	9	10	Feet.
0	0.97	2.03	3.17	4.40	5.71	7.11 8.34	8.60	10.17	11.83	18.58	0
1 2	1.98 8.08	$3.08 \\ 4.22$	4.27 5.45	5.54 6.77	6.90 8.17	9.65	9.87 11.23	11.49 12.89	13.19 14.64	14.98 16.47	1 2
3	4.27	5.45	6.72	8.08	9 53	11.06	12.67	14.38	16.17	18.04	3
4	5.54	6.77	8.08	9.48	10.97	12.54	14.20	15.95	17.78	19.70	4
5	6.90	8.17	9.53	10.97	12.50	14.12	15.82	17.61	19.49	21.45	5
6	8.34	9.65	11.06	12.54	14.12	15.78	17.53	19.36	21.28	23.28	6
7 8	9.87 11.49	11.28 12.89	12.67 14.38	14.20 15.95	15.82 17.61	17.53 19.36	19.32 21.19	21.19 23.11	23.15 $25.12$	$25.20 \\ 27.21$	7
9	13.19	14.64	16.17	17.78	19.49	21.28	23.15	25,12	27.17	29.30	9
10	14.98	16.47	18.04	19.70	21.45	23.28	25.20	27.21	29.30	31.48	10
11	16.86	18.39	20.01	21.71	23.50	25.38	27.34	29.89	81.52	33.75	
12	18.82	20.40	22.06	23.80	25.64	27.56	29.56	81.65	33.83	36.10	
13 14	20.87 23.01	22.49 24.67	24.19 26.41	25.98 28.25	27.86 30.17	$29.82 \\ 32.17$	31.87 34.27	34.01 36.44	36.23 38.71	38.54 41.06	
15	25.28	26.93	28.72	30.60	32.56	34.61	36.75	38.97	41.28	43.67	
16	27.54	29.28	81.12	33.04	35.04	87.14	39.32	41.58	43.93	46.37	
17	29.93	81.72	33.60	85.56	87.61	89.75	41.97	44.28	46.67	49.15	
18	82.41	84.25	86.17	38.17	40.27	42.44	44.71	47.06	49.50	52.02	
19	34.98	36.86	88.82	40.87	48.01	45.23	47.54	49.93	52.41	54.98	
20	37.64	89.56	41.56		45.83	48.10	50.45	52.89	55.41	58.02	
21 22	40.38 43.20	42.34 45.21	44.39 47.30	46.52 49.48	48.75 51.75	51.06 54.10	53.45 56.54	55.93 59.06	58.50 61.67	61.15 $64.87$	
23	46.12	48.17	50.30		54.83	57.23	59.71	62.28	64.93	67.67	
24	49.12	51.21	53.89	55.65	58.01	60.44	62.97	65.58	68.28	71.06	
25	52.20		56.56	1	61.27	63.75	i e	68.97	71.71	74.54	
26	55.38		59.82	62.17	64.61	67.14		72.44	75.23	78.10	
27 28	58.64 61.98	60.86 64.25	63.17 66.60	65.56 69.04	68.04   71.56	70.61 74.17	73.27 76.87	76.01 79.65	78.83 82.52	81.75 85.48	
29	65.41	67.72	70.12			77.82		83.39	86.80	89.30	
80	68.93		73.72	76.25	78.86			87.21	90.17	93.21	
31	72.54		77.41	79.98	82.64	85.38	88.20	91.12	94.12	97.20	31
32	76.23							95.11		101.28	
38 34	80.01 83.87	82.49 86.40		87.71 91.70	90.45 94.49		96.19 100.31		102.28		
85	87.82						104.52				
36	•	í	1	1		1	108.82	ı			
87	95.98	98.64	101.38	104.20	107.12	110.12	113.20	116.38	119.64	122.98	37
38		102.89									
		107.23 111.65									
41	t	116.17	1	1		1	1		1	l .	
		120.77									
		125.45									
		180.22									
	, ,	135.08	1	·		1	i	ı			
		140.02									
		145.06 150.17									
		155.38									
		160.67									
	1	2	3	4	5	.6	7	8	9	10	

### TABLE XLV._BASE 50.—SLOPES 31 to 1.

Feet.	11	12	13	14	15	16	17	18	19	20	Peat
0	15.41	17.33	19.34	21.43	23.61	25.88	28.23	30.67	33.19	35.80	1
1	16.86	18,82	20.87	23.01	25.23	27.54	29.93	32.41	34.98	37.64	L
2	18.39	20.40	22.49	24.67	26.93	29.28	31.72	34.25	36.86	39.56	
3	20.01	22.06	24.19	26.41	28.72	31.12	33,60	36.17	38.82	41.56	
4	21.71	23.80	25.98	28.25	30.60	33.04			40.87	43.65	
5	23.50	25.64	27.86	30.17	32.56	35.04	37.61	40.27	43.01	45.83	1
6	25.38	27.56	29.82	7.77.7.7	34.61	37.14			1.75 (1.56)	6.4	
7	27.34	29.56		34.27					47.54		
8	29.39	31.65	34.01	36.44		41.58					
9	31.52	33.83	36.23							55,41	
10	33.75	36.10	38,54	41.06	43.67	46.37	49.15	52,02	The last		r
11	36.06		10000	0.00							-
12	38.45	40.89	43.41				54.38		60.38		
13	40.93	43.41	45.98						63.20		
14	43.50		100000000000000000000000000000000000000						66.12		
15	46.15	48.72	51.38	54.12	56.94	59.86	62.86	65.94	00000000	DC BCCK	1
16	48.90		54.20		100000000000000000000000000000000000000		65.86		72.20	The second second	
17	51.72	54.38									17
18	54.64	57.33	1 2 2 2 2 2 2								
19	57.64	60.38									
20	60.72	63.51	66.38	69.33	72,38	75.51	78.72	82,02	85.41	450.00	
21	63.90	66.72	69.64	72.64	75.72	78.90	82.15	85.50	88,93	92.45	2
22	67.15	70.02	72.98	76.02	79.15	82.37	85.67	89.96			
23	70.50	73,41	76.41	79.50	82.67	85.93	89.28				
24	73.93	76.89	79.93	83,06	86.28	89.58				103.65	
25	77.45	80.45	83.54	86.71	89.97	93.31	96.75	100.27	103.87	107.56	2
26	81.06	84.10	87.23	90.44	93.75	97.14	100.61	104.17	107.82	111.56	2
27	84.75	87.83	91.01	94.27	97.61	101.04	104.56	108.17	111.86	115.64	2
28	88.52	91.65	94.87	98.17	101.56	105.04	108.60	112,25	115.98	119.80	2
29	92.39					109.12					
30	96.34	99.56	102.86	106.25	109.72	113.28	116,93	120.67	124.49	128.39	3
31	100.38	103.64	106.98	110.41	113.93	117.54	121.23	125.01	128.87	132.82	3
						121.88					
33	108.71	112.06	115,49	119.01	122.61	126.30	130.08	133.94	137,89	141.93	3
						130.81					
35	117.39	120,82	124.34	127.94	131.64	135.41	139,28	143.23	147.26	151.39	3
36	121.86	125.33	128.89	132.54	136, 28	140.10	144.01	148.00	152.08	156.25	3
37	126.41	129.93	133.54	137.23	141.01	144.87	148.82	152.86	156.98	161.19	3
38	131.06	134.62	138.27	142.00	145.82	149.73	153.72	157.80	161.97	166.22	3
39	135.78	139.39	143.08	146.86	150.72	154.67	158.71	162.83	167.04	171.34	3
40	140.60	144.25	147.98	151.80	155.71	159.70	163.78	167.95	172.20	176.54	4
41	145.50	149.19	152.97	156.83	160.78	164.82	168.94	173.15	177.45	181,83	4
42	150.49	154.22	158.04	161.95	165.94	170.02	174.19	178.44	182.78	187.21	4
43	155.56	159.34	163, 20	167.15	171.19	175.31	179.52	183.82	188.20	192.67	4
44	160.72	164.54	168.45	172.44	176.52	180.69	184.94	189.28	193.71	198.22	[4
45	165.97	169.83	173.78	177.82	181.94	186.15	190.45	194.83	199.30	203.86	4
46	171.30	175.21	179.20	183.28	187.45	191.70	196.04	200.47	204.98	209.58	4
47	176.72	180.68	184.71	188.83	193.04	197.34	201.72	206.19	210.75	215.39	4
48	182.23	186.22	190.30	194.47	198.72	203.06	207.49	212.00	216.60	221.28	4
49	187.82	191.86	195.98	200.19	204.49	208.87	213.34	217.89	222.54	227.26	4
50	193.50	197.58	201.75	206.00	210.34	214.76	219.28	223.88	228.56	233, 33	5
٦		10	10	1.	10	16	17	18	19	20	1
- 1	11	12	13	14	15	100	1.7	IN	114		

### TABLE XLV.—BASE 50.—SLOPES 31 to 1.

0											
	1000	41.28	100	7.2	50,15	53.28	19 000	4 4 4	Charles To A 1 to	7.367130	0
1		Name of the last								68.93	1
2				51.21 53.39	54.34						
4	The second	49.48	200	55.65		62.17	65.56		72.60		4
5	The Second	51.75		0.27	61.27	64.61	68.04			78.86	5
6		54.10		60.44	63.75	67.14		74.17	77.82	81.56	
7		56.54		62.97	66.31	69.75		76.87	80.56		
8 9	I was been	59.06 61.67	W	65.58 68.28	68.97 $71.71$	72.44			83.39 86.30		
0		64.37		71.06	74.54	78.10	making the last		89.30	1 2 4 7 2 3 7	11: 2
1	63.90	67.15	70.50	78.93	77.45	81.06	84.75	88.52	92.39	96.34	11
2		70.02		76.89	80.45			12 4 7 3 3 3			100
3		72.98 76.02		79,93 83.06		87.23 90.44			that is the first of the	102.86	100
4 5		79.15	Carrier Control					101.56			
6	100000000000000000000000000000000000000	0.3700.0	0.00	Carlo Zal		97.14	101.04	105.04	109.12	113.28	16
7				92.97	96.75		104.56				
8		220000					108.17				
9			100 200 200 200 200	100.01 103.65			2 2 2 2 200		action to the total	4	1 - 4
1	The second second		The second second	107.39		2000	Section 10 at			2000000	
	99.75										
3	103.52	107.30	111.17	115.12	119.15	123.28	127.49	131.78	136.17	140.64	23
	107.39 111.34										
	115.38	A Comment of the Comm	1000 1000	the state and of			-0.744 *** 550	1-35-36	TOWN TOWN	There was the first	
	119.50										
8	123.71	127.70	131.78	135.95	140.20	144.54	148.97	153.48	158.08	162.76	28
	128.01										
ſ	132.39	F-12 (1977)	125.50	D-070755		1000000	CASC LA	Property May	N 25-10-14	1.22	100
	136.86 141.41										
	146.06										
	150.78										
	155.60	6.40		Profession Profes	Section 188	10 Y (2) 10 PM	the state of	Service of the	JULY THE		
	160.50 165.49										
	170.56										
9	175.72	180.19	184.75	189.39	194.12	198.93	203.83	208.82	213.89	219.05	39
	180.97	1/2/2015/16/20	CONTRACT	10 to 10 food)	1000			100000000000000000000000000000000000000	A		
	186.30										
	191.72 197.23										
	202.82										
ō	208.50	213.23	218.04	222.94	227,93	233.01	238, 17	243.41	248.75	254.17	45
	214.26										
	220.12 226.05										
	232.08										
	238.19										
	21	22	23	24	25	26	27	28	29	30	
		225							2 G		_
		225							2 0		

### TABLE XLV.—BASE 50.—SLOPES 31 to 1.

Feet.	31		32	2	33		34		35	36	37	38	39	40	Feet.
0	70.	23	73.	88	77.	61	81.	43	85.34	89.83	93.41	97.58	101.83	106.17	0
1	72.	54	76.	23	80.	01	83.			The second second		100.19			
2	74.		78.	2.7	82.						August 1 march	102.89			
3	77.		81.	G :								105.67			
4	79.	- 4	83.	031		12.00	91.	1.4				108.54 $111.50$			
5	82.			20	90.	161	94.	-	0.072	100 TO 10	100000	1		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
6	85.			900								114.54			
8	88.											117.67 120.89			
9	91.		95.									124.19			
												127.58			
- 1		-		- 71							I do not not not to	131.06		and the second	
19	103	81	107	80	119	06	116	39	120.82	125.33	129.93	134.62	139.39	144.25	15
3	106.	98	111.	19	115.	49	119.	87	124.34	128.89	133.54	138.27	143.08	147.98	18
4	110.	41	114.	67	119.	01	123.	43	127.94	132.54	137.23	142.00	146.86	151.80	14
5	113.	93	118.	23	122.	61	127.	08	131.64	136.28	141.01	145.82	150.72	155.71	18
16	117.	54	121.	88	126.	30	130.	81	135.41	140.10	144.87	149.73	154.67	159.70	16
7	121.	23	125.	61	130.	08	134.	64	139.28	144.01	148.82	153.72	158.71	163.78	17
8	125.	01	129.	43	133.	94	138.	54	143,23	148.00	152.86	157.80	162.83	167.95	18
												161.97			
- 1						- 1				The second second	Marian View	166.22	A STATE OF THE PARTY	the second second	
												170.56			
												174.99			
												179.50			
4	149.	49	154.	17	108.	94	160.	21	172 20	179 99	183 54	184.10 188.78	104 19	199.76	9
26	158.	34	163.	11	167.	97	172.	91	177.94	183.06	102 00	193.55	198.98	204.59	21
												198.41 203.36			
99	179	96	177	17	189	15	187	23	192 39	197.64	202.97	208.39	213.89	219.49	29
0	177	08	182.	02	187.	05	192.	17	197.38	202.67	208.04	213.51	219.05	224.69	3(
				1.00		- 4		. 01		the state of the state of	the second second	218.71	and the state of t		
												224.00			
33	192	04	197.	12	202.	28	207.	52	212.86	218.28	223.78	229.38	235.05	240.82	3
34	197.	20	202.	32	207.	52	212.	81	218.19	223.65	229.20	234.84	240.56	246.37	34
35	202.	45	207.	61	212.	86	218.	19	223,61	229,12	234.71	240.39	246.15	252.01	3
36	207.	78	212.	99	218.	28	223.	65	229.12	234.67	240.30	246.02	251.83	257.73	36
37	213.	20	218.	45	223.	78	229.	20	234.71	240.30	245.98	251.75	257.60	263.54	37
38	218.	71	224.	00	229.	38	234,	84	240.39	246.02	251.75	257.55	263.45	269,43	38
												263.45			
- 1							4		Carlo Francisco		the second second	269.43	and the second second		
												275.50			
												281.65			
												287.89			
15	208. 950	06	209.	11	204.	01	276	71	289 56	288 50	200.10	294.22 300.63	306.83	313 19	4
			1	15			1000	7.71	1000				10000	1.5 - 2.5	ь.
												307.13			
												313.72			
												320.39 $327.15$			
												334.00			
-		. 44		~10	2001					20.20		21.90	A STATE OF		

### TABLE XLV._BASE 50._SLOPES 31 to 1.

Feet	41	42	43	44	45	46	47	48	49	50	Feet.
0	110.60	115.11	119.71	124.39	129.17	134.02	138.97	144.00	149.12	154.32	1
		117.89									
		120.77									1.3
		123.72 $126.77$									1
		129.89									
1		133, 11	- A. T. W. T.		The Control	TOUR DESIGNATION OF THE PERSON	1. 7		-1.0	C	1
		136.41									
		139.80									
9	138.38	143.28	148.26	153.34	158.50	163.75	169.08	174.50	180.01	185.60	1
10	141.89	146.84	151.87	156.99	162.19	167.48	172.86	178,32	183.87	189.51	1
		150.49									
		154.22									
		158.04									
		161.95 165.94									
45		to 10 0 10 10 10 10 10 10 10 10 10 10 10 1	Electronia de la compansión de la compan		1 2 V 1 V	250	72777		175.754	J. Company	1
		170.02 $174.19$									
		178.44									
		182.78									
		187.21									
21	186.30	191.72	197,23	202.82	208.50	214.26	220.12	226.05	232.08	238.19	2
		196,32									
		201.01									
		205.78									
101		210.63	7.7.7.7.7.7	100000000000000000000000000000000000000							
		215.58									
		220, 61									
		225.73 230.93									
		236.22									
. 91		241,60	C. Standard	Carlotte and	Contract Section	16 - 10 - 10	And the second		1907 1904	100000000000000000000000000000000000000	100
		247.06									
		252.61									
		258.25									
35	257.94	263,97	270.08	276, 28	282.56	288,93	295.39	301.93	308.56	315.28	3
36	263.71	269.78	275,93	282.17	288.50	294.91	301.41	308.00	314.67	321.43	3
		275.67									
		281.65									
		287.72									
		293.88	7 7 7 7 7	rement r	1 V 3 7 1	5.000 (0.00)	various by a		St. 16. 16. 16. 1	State State of	1
		300.12									
		306.44 312,86									
		319.36									
		325,94			200		1000000	4-2-6-6-6-6-6-6-6-6-6-6-6-6-6-6-6-6-6-6-	I make the second	Same and the same of	
-01		332.62	Dead Table	Salar Salar			The state of the s		0000 mbd		
		339.37									
		346.22									
		353, 15									
50	353.50	360.17	366, 93	373.78	380.71	387.73	394.83	402.02	409,30	416,66	5
	41	42	43	44	45	46	47	48	49	50	-

TABLE XLVL-BASE 50.-SLOPES 4 to 1.

Feet	1	2	3	4	5	6	7	8	9	10	Post.
0	0.98	2.05	3,22	4.49	5.86	7.33	8.90	10.57	12.33	14.20	1
1	2.00	3.12	4.35	5.67	7.09	8.61	10.22	11.94	13.75	15.67	
2	3.12	4.30	5.57	6.94	8.41	9.98	11.64	13.41	15.27	17.23	1
3	4.35	5.57	6.89	8.31		11.44	13.16		16.89	18.90	1
4	5.67	6.94	8.31	9.78	11.35	13,01	14.78	16.64	18.61	20.67	14
5	7.09	8.41	9.83	11.35	12.96	14.68	16.49	18.41	20.42	22.53	1
6	8.61	9.98	11.44	13.01	14.68	16.44	18.31	20.27	22,33	24.49	1
7	10.22	11.64	13.16	14.78	16.49	18.31	20.22	22.23			
8	11.94	13.41	14.98	16.64		20.27	22.23	24.30	26.46	28.72	1
9	13.75	15.27	16.89	18.61				26.46	28.67	30.98	1
10	15.67	17.23	18.90	20.67	22.53	24.49	26.56	28.72	30.98	33.53	10
11	17.68	19.30	21.01	22.83	24.74	26.75	28.86	31.07	33.38	35.79	li
12	19.79	21.46	23.22	25.09	27.05	29.11	31.27	33.53			
13	22.00	23,72		27.44	29.46	31.57	33.78	36.09	38.49	41.00	13
14	24.31	26.07	27.94	29.90		34.12	36.38	38.74	41.20	43.75	14
15	26.72	28.53	30.44	32.46	34.57	36.78	39.09	41.49	44.00	46.61	13
16	29.22	31.09	33.05	35.11	87.27	39.73	41.89	44.35	46.90	49.56	16
17	31,83	33.74	35.75	37.86		42.38	44.79	47.30	49.90		
18	34.53	36.49	38.56	40.72	42.98	45.33	47.79	50.35	53.00		
19	37.33	39.35	41.46	43.67	45.98	48.38	50.89	53.49		59.00	
20	40.23	42.30	44.46	46.72	49.07	51.53	54.09	56.74	59.49	62.35	20
21	43, 23	45.35	47.56	49.86	52.27	54.78	57.38	60.09	62.89	65.79	21
22	46.33	48.49	50.75	53.11	55.57	58.12	60.78	63.53			
23	49.53	51.74	54.05	56.46	58.96		64.27	67.07	69.98	72.98	
24	52.83	55.09	57.44	59.90	62.46		67.86	70.72	73.67	76.72	
25	56, 22	58.53		63.44			71.56	74.46		80.56	
26	59.72	62.07	64.53	67.09	69.74	72.49	75.85	78.30	81.35	84.49	ы.
27	63.31	65.72	68.22	70.83	73.53		79.23	82.23		11237 (02)	
28	67.00	69.46	72.01	74.67	77.42		83.22	86.27	89.42	1	
29	70.79	73.30	75.90	78.60	81.41	84.31	87.31	90.41	93.60		No. of
30	74.68	77.23	79.89	82.64			91.49			101.23	
31	78.67	81.27	83.98	86.78	89 68	92 68	95.78	THE RESERVE	102.27	1	1
32	82.75	85.41	88.16				100.16				
33	86,94	89.64	92.44	1			104.64				
34	91.22	93.98	96.83				109.22				
35	95.60		101.31	104.31	107.41	110.60	113.90	117.30	120.79	124.38	3
36	100 06		105.89								
37	104 67	107.57	110.57	113 67	116 86	120.16	193 56	197 05	120.01	124 32	3
38	109 35	112.30	115.35	118.49	121.74	125.09	128 53	139 07	135.79	139 46	35
39	114.12	117.12	120.22	123.42	126,72	130.11	133.60	137. 20	140.89	144.68	39
10	119.00	122.05	125.20	128.44	131.79	135.23	138.78	142.42	146.16	150.00	40
V-1	A STATE OF THE STA	and the second	130.27		No. 45 W. 1999	11.00	10-10-10-11				
			135.44								
			140.72								
			146.09								
			151.56								
	and the control of	22 20 20 1	157.12		- To 100 - To	The second second	Commission of the Commission o		C. C. S. S. S. A.		
			162.79								
48	161.57	165.01	168.55	172.90	175.94	179.78	183 79	187 75	191 80	196 19	45
49	167.33	170.83	174.42	178.11	181.90	185 79	189.78	193 86	198 05	209 22	4
50	173.20	176.74	180.38	184.12	187.96	191.90	195.94	200.07	204.31	208.64	50
_	2000		100.01	-	Acces of		7.00	acces to			F
20	1	2	3	4	5	6	7	8	9	10	1

#### TABLE XLVI.—BASE 50.—SLOPES 4 to 1.

Feet.	11	12	13	14	15	16	17	18	19	20	Feet.
0	16.16	18.22	20.38	22.64	25.00	27.46	30.01	32.67	35.42	38.27	(
1	17.68	19.79	22.00	24.31	26.72	29.22	31.83	34.53	37.33	40.23	1
2	19.30	21.46	23.72	26.07	28.53	81.09	33.74	36.49	39.35	42.30	9
3	21.01	23.22	25.58	27.94	80.44	33.05	85.75	38.56	41.46	44.46	1
4	22.83	25.09	27.44	29.90	32.46	35.11	37.86	40.72	43.67	46.72	4
5	24.74	27.05	29.46	31.96	34.57	37.27	40.07	42.98	45.98	49.07	
6	26.75	29.11	31.57	34.12	36.78	39.73	42.38	45.33	48.38	51.53	(
7	28.86	31.27	33.78	36.38	89.09	41.89	44.79	47.79	50.89	54.09	•
8	31.07	88.58	86.09	38.74	41.49	44.35	47.30	50.85	53.49	56.74	1
9	33.38	35.89	38.49	41.20	44.00	46.90	49.90	53.00	56.20	59.49	
10	35.79	88.85	41.00	43.75	46.61	49.56	52.61	55.75	59.00	62.35	
11	38.30	40.90	43.61	46.41	49.81	52.81	55.41	58.61	61.90	65.30	
12	40.90	43.56	46.31	49.16	52.11	55.16	58.31	61.56	64.90	68.35	
13	43.61	46.81	49.11	52.01 54.96	55.01 58.01	58.11	61.31	64.60	68.00	71.49 74.74	
14 15	46.41 49.31	49.16 52.11	52.01 55.01	58.01	61.11	61.16 64.81	64.41 67.61	67.75 71.00	71.20 74.49	78.09	
											1
16	52.31	55.16	58.11	61.16	64.31	67.56		74.35	77.89	81.53	
17 18	55.41	58.31	61.31	64.41 67.75	67.61	70.90		77.79	81.38		
19	58.61 61.90	61.56 64.90	64.60 68.00		71.00 74.49	74.35 77.89	77.79 81.38	81.33 84.98	84.98 88.67	88.72 92.46	
20	65.30	68.35	71.49					88.72	92.46		
21					ł		1				1
$\frac{21}{22}$	68.79 72.38	71.89 75.58	75.09 78.78							100.28 104.27	
23	76.07	79.27	82.57							108.41	
$\frac{20}{24}$	79.86		86.46							112.64	
25	83.75	87.05								116.98	
26	87.74	i	ı	l	í	1	1	ŀ		121.41	1
27	91.83									125.94	
28										130.57	
										135.30	
30	104.68	108.22	111.86	115.60	119.44	123.38	127.42	131.56	135.79	140.12	3
31	109.16	112.75	116.44	120.23	124.12	128.11	132.20	136.38	140.67	145.05	3
32	118.74	117.38	121.12	124.96	128.90	132.94	137.07	141.31	145.64	150.07	3
										155.20	
										160.42	
35	128.07	131.86	135.75	139.74	143.83	148.01	152.30	156.68	161.16	165.74	8
										171.16	
										176.68	
										182.30	
										188.01	
										193.88	
										199.74	
										205.75	
										211.86 $218.07$	
										224.38	
		1	1	I	1	J	1	1	1	1	,
40	104.23	192.57	197.00	201.08	200.16	210.89	210.72	220.64	220.67	230.79 237.28	4
										243.90	
										250.60	
										257.41	
<u> </u>											Ľ
l	11	12	13	14	15	16	17	18	19	20	
Ì			-0		-0			١		-	١

#### TABLE XLVI.-BASE 50.-SLOPES 4 to 1.

Feet	21	22	23	24	25	26	27	28	29	30	Pant
()	41.22	44.27	47.42	50.67	54.01	57.46	61.00	64.64	68.38	72.22	1
1	43,23	46.33	49.58	52.83	56.22	59.72	63.31	67.00	70.79	74.68	
2	45,35	48.49	51.74	55.09	58.53		65.72	69.46	73.30	77.23	
3	47.56	50.75		57.44		64.53	68.22	72.01	75.90	79.89	
4	49.86	53.11	56.46		63.44	67.09	70.83	74.67	78.60	82.64	
5	52.27	55.57	58,96	11.1	66.05	69.74	73.53	77.42	81.41	85.49	
6	54.78	58, 12		65.11	68.75	72.49	76.33	80.27	84.31	88.44	
7	57.38	60.78	64.27	67.86	71.56	75.35	79,23	83.22	87.31	91.49	
8	60.09	63.53	67.07	70.72	74.46	78.30	82.23	86.27	90.41	94.64	
9	62.89	66.38	69.98	78.67	77.46	81.35	85.33 88.53	89.42	93.60		
10	65.79	69.33	72.98	76.72	80.56	0.000	100000	92.67		101.23	Е
1	68.79	72,38	76.07	79.86	83.75	87.74	91.83			104.68	
2	71.89	75.53	79.27	83.11	87.05					108.22	
3	75.09	78.78	82.57	86.46	90.44	94.53				111.86	
4	78.38	82,12	85,96							115.60	
5	81.78	85.57	89.46			WHERE HE	of the street	Harris March	P.C. G. S. S.	119.44	Ь.
6	85.27	89.11	93.05							123.38	
7	88.86	92.75								127.42	
8	92.56									131.56	
9										135.79	
			23.25.26.25			Charles of The Con-		0.71.000	11/11/11	140.12	г.
										144.56	
										149.09	
18	112.49	116,68	120.96	125.35	129.83	134.41	139.09	143,86	148.74	153.72	12
										158.44	
										163_27	
16	125.64	129.97	134.41	138.94	143,57	148.30	153.12	158.05	163.07	168.20	2
										173.22	
										178.35	
										183.57	
										188,89	
31	149.53	154.11	158.79	163.57	168.44	173.42	178.49	183.66	188.94	194.31	9
										199.83	
33	159.78	164,46	169.23	174.11	179.09	184.16	189.33	194.60	199.97	205.44	0
										211.16	
35	170.42	175, 20	180.07	185.05	190.12	195.30	200.57	205.94	211.41	216.97	0
16	175.89	180.72	185.64	190.67	195.79	201.01	206.33	211.75	217.27	222.89	3
37	181.46	186.33	191.31	196,38	201.55	206.83	212.20	217.67	223.23	228.90	3
88	187.12	192.05	197.07	202.20	207,42	212.74	218.16	223.68	229.30	235.01	13
										241.22	
	the property of the	1-9-1-1				1				247.53	
11	204.72	209.79	214.96	220,23	225,60	231.07	236.64	242.31	248.07	253,94	ď
12	210.78	215.90	221.12	226, 44	231.86	237,38	243.00	248.71	254.53	260,44	ď
18	216.94	222.11	227.38	232.75	238.22	243.79	249,46	255.22	261.09	267.05	3
4	223.20	228, 42	233.74	239.16	244.68	250.30	256.01	261.83	267.74	273.75	1
										280.55	
16	236.01	241,33	246.75	252.27	257.89	263.60	269.42	275.33	281.34	287.46	ä
17	242.57	247.94	253.41	258.97	264.64	270.41	276.27	282.23	288, 29	294.46	H
18	249.22	254.64	260.16	265.78	271.49	277.31	283.22	289.23	295.34	301.55	14
19	255.97	261.44	267.01	272.68	278.44	284.31	290, 27	296.33	302.49	308.75	ď
10	262.83	268.34	273.96	279.68	285.49	291.41	297.42	303.55	309.74	316.05	١
		0-	-		0.5	-02		00	00		F
-1	21	22	23	24	25	26	27	28	29	30	и.

#### TABLE XLVI.—BASE 50.—SLOPES 4 to 1.

Peet	31	32	33	34	35	36	37	38	39	40	Feet.
0	76.16	80.20	84.33	88.57	92.90	97.33	101.86	106.49	111.22	116.05	1
1	78.67	82.75	86.94	91.22	95.60	100.06	104.67	109.35	114.12	119.00	
2	81.27	85.41				102.94					
3	83.98					105.89					
4	86.78		95.85			108.94					1
5	89.68		1/2/2/2/2/2	Allega, Tables	by April 1987 Sept.	112.09			WITH THE	to the same of the	1
6	92.68					115.33					
7						118.68					
8						122.12 $125.67$					
						129.31					
			100 Carrier 1	N. Mariana		1000 1000		ALL STATES	F. F. F. T. T. T. T. T.	Mary Town	1
						133.05 136.89					
12	116 44	191 19	195 90	120.34	185.75	140.83	146 00	151 27	156 64	162 11	1
14	120 23	124 96	129.79	134.72	139.74	144.86	150.09	155.41	160.83	166.35	1
						149.00					
0.21	A		the state of the s	and the second second		153.23	the second second			1.00	
17	132.20	137.07	142.05	147.12	152.30	157.57	162.94	168.41	173.97	179.64	1
18	136.38	141.31	146.33	151.46	156.68	162.00	167.42	172.94	178.55	184.27	1
						166.53					
20	145.05	150.07	155.20	160,42	165.74	171.16	176.68	182.30	188,01	193.83	2
21	149.53	154.60	159.78	165.05	170.42	175.89	181.46	187.12	192.89	198.75	2
						180.72					
						185.64					
						190.67					
	and the same and the same and			the state of the s	and the same of the same of	195.79	100000000000000000000000000000000000000	100000000000000000000000000000000000000	1.00	100	4
						201.01					
						206.33					
28	183.66	189.09	194.60	200.22	911 41	$211.75 \\ 217.27$	217.07	990 30	229.79	941 79	2
						222.89					
	[ T. S.		COLOR AND AND AND	the second second second	Property of the Control	A Company of the comp	by the same of the same of		the second second	10000	
31	199.78	205.84	211.01	210.78	998 41	228.60 234.42	240 53	946 74	959 05	250.44	9
						240.33					
34	216.78	222.49	228.31	234.22	240.23	246.34	252.55	258.86	265.27	271.78	3
						252.46					
36	228 60	234.42	240.33	246.34	252.46	258.67	264.97	271.38	277.89	284.49	3
						264.97					
						271.38					
						277.89					
			a supply to the	the state of the state of		284.49	the second second	I have been	A STATE OF THE PARTY OF		
						291:20					
42	266.46	272.57	278.78	285.09	291.49	298,00	304.60	311.31	318,11	325.01	4
						304.90					
						311.90 319.00					
30	( C C C C C C C C C C C C C C C C C C C				100000	-	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1			1	
						326.20					
						333.49 340.89					
						348.38					
50	322.46	328.96	335.57	342.27	349.07	355.97	362.97	370.07	377.27	384.57	5
-		-		1000		36	12-150				-

### TABLE XLVI.—BASE 50.—SLOPES 4 to 1.

Fort	41	42	43	44	45	46	47	48	49	50	Feet
0	120 98	126 00	131.12	136.35	141.67	147.09	152, 60	158.22	163.94	169.75	1
			134.22								
			137.42								
			140.72								
4	133.57	138.79	144.11	149.53	155.05	160.67	166.38	172.20	178.11	184.12	1
5	136.96	142.23	147.60	153.07	158.64	164.31	170.07	175.94	181.90	187.96	
	1000	C 20 10 70	151.20		A TO 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	L 700 300	12		Co. 2. 1. 100.04	10-2-10-10-10	
			154,89								
			158.68								
9	151.53	157.00	162.57	168.23	174.00	179,86	185.83	191.89	198.05	204.31	
10	155.42	160.94	166.55	172, 27	178.09	184.00	190.01	196.12	202.33	208.64	1
u	159.41	164.97	170.64	176.41	182.27	188, 23	194,30	200,46	206.72	213.07	1
12	163, 49	169.11	174.83	180.64	186.55	192.57	198.68	204.89	211.20	217.60	1
			179.11								
14	171.96	177.68	183.49	189.41	195.42	201.53	207.74	214.05	220,46	226,96	1
15	176.35	182.11	187.97	193.94	200.00	206.16	212.42	218.78	225.23	231.79	1
16	180, 83	186.64	192.55	198.57	204.68	210.89	218.00	223.60	230.11	236.72	1
			197.23								
18	190.09	196.00	202.01	208.12	214.33	220.64	227.05	233.55	240.16	246.86	1
19	194.86	200.83	206.89	213.05	219.31	225.67	232, 12	238.68	245.33	252.09	1
20	199.74	205.75	211.86	218.07	224.38	230.79	237.28	243.90	250.60	257.41	2
21	204.72	210.78	216.94	223, 20	229.55	236.01	242.57	249.22	255.97	262.83	2
22	209.79	215.90	222.11	228.42	234.83	241.33	247.94	254.64	261.44	268.34	2
23	214.96	221,12	227.38	233.74	240.20	246.75	253.41	260.16	267.01	273.96	2
24	220.23	226.44	232.75	239.16	245.67	252,27	258.97	265.78	272.68	279.68	2
25	225.60	231,86	238.22	244.68	251.23	257.89	264.64	271.49	278.44	285.49	2
			243.79								
			249.46								
28	242.31	248.71	255.22	261.83	268.53	275.33	282.23	289.23	296.33	303.53	2
29	248.07	254.53	261.09	267.74	274.49	281.34	288.29	295.34	302.49	309.74	2
30	253,94	260.44	267.05	273.75	280.55	287.46	294.46	301.55	308.75	316.05	3
31	259.90	266.46	273.11	279.86	286,71	293.67	300.71	307.86	315.11	322.46	3
			279.27								
			285.53								
34	278.38	285.09	291.89	298.79	305.79	312.89	320.08	327.38	334.78	342.27	3
35	284.74	291.49	298.34	305.29	312,34	319.49	326,74	334.08	341.53	349.07	3
36	291.20	298.00	304.90	311.90	319.00	326, 20	333.49	340.89	348.38	355.97	3
37	297.75	304.60	311.55	318.60	325.75	333.00	340.34	347.79	355.33	362.97	3
			318.31								
39	311.16	318.11	325.16	332.31	339,55	346.90	354,34	361.89	369.53	377.27	3
40	318.01	325.01	332.11	339.31	346.60	354.00	361,49	369.08	376.78	384.57	4
41	324.96	332.01	339.16	346.41	353.75	361.20	368.74	376.38	384.12	391.96	4
			346.31								
			353.55								
14	346.41	353,60	360.90	368, 29	375.79	383.38	391.07	398.86	406.75	414.74	4
			368.34								
16	361.20	368, 49	375.89	383.38	390.97	398.66	406, 45	414.34	422.33	430.42	4
			383.53								
			391.27								
			399.11								
			407.05								
-	-						-	1	117.0		+
	41	42	43	44	45	46	47	48	49	50	i i

### SECOND SERIES

OF

# TABLES.

BASE 1.—SLOPES FROM ½ TO 1 TO 3 TO 1.



### TABLE XLVII.—BASE 1.—SLOPES $\frac{1}{2}$ to 1.

		1	5	2	:	3		1	1	5	
Peet.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Feet.
0	.0185	.006	.0370	.025	. 0556	.056	.0741	.099	.0926	.154	0
1	.0370	.019	.0556	.043	.0741	.080	.0926	.130	.1111	.192	1
2	.0556	.043	.0741	.074	.0926	.117	.1111	.173	.1296	.241	
3	.0741	.080	.0926	.117	,1111	.167	.1296	. 228	.1481	. 302	1 3
4	.0926	.130	.1111	.173	.1296	. 228	.1481	. 296	.1667	.377	1 4
5	.1111	.192	.1296	.241	.1481	. 302	.1667	.377	.1852	. 463	E
6	.1296	.265	.1481	.321	.1667	. 389	.1852	.469	. 2037	. 562	1
7	.1481	.352	.1667	.414	.1852	.488	.2037	.574	.2222	. 673	1
8	.1667	.451	.1852	.519	.2037	. 599	.2222	. 691	. 2407	.796	1
9	.1852	.562	.2037	. 636	. 2222	.722	.2407	. 821	.2593	.932	9
10	. 2037	. 685	. 2222	.765	.2407	. 858	.2593	.963	.2778	1.080	10
11	. 2222	.821	.2407	.907	.2593	1.006	.2778	1.117	. 2963	1.241	11
12	.2407	.969	.2593	1.062	.2778	1.167	. 2963	1.284	.3148	1,414	
13	. 2593	1.130	.2778	1.228	.2963	1.340	.3148	1,463	. 3333	1.599	
14	.2778	1.302	. 2963	1.407	.3148	1.525	. 3333	1.654	. 3519	1.796	
15	. 2963	1.488	.3148	1.599	.3333	1.722	. 3519	1.858	.3704	2.006	
16	.3148	1.685	. 3333	1.802	.3519	1.932	.3704	2.074	.3889	2.228	17.5
17	. 3333	1.895	.3519	2.019	.3704	2.154	.3889	2.302	.4074	2.463	
18	. 3519	2.117	.3704	2.247	.3889	2.389	.4074	2.543	.4259	2.710	
19	.3704	2.352	.3889	2.488	.4074	2.636	.4259	2.796	.4444	2.969	
20	.3889	2.599	.4074	2.741	.4259	2.895	.4444	3.062	.4630	3,241	
- 1	100000	The second second	Mary Acres		170000	Many and the	F 1000 9	100	and the second		100
21	.4074	2.858	.4259	3.006	.4444	8.167	.4630	3.340	.4815	3.525	
22	.4259	3.130	.4444	3.284	.4630	3.451	,4815	3.630	.5000	3.821	
23	.4444	3,414	.4630	3.574	.4815	3.747	.5000	3,932	.5185	4.130	
24	.4630	3,710	.4815	3.877	.5000	4.056	.5185	4.247	.5370	4.451	
25	.4815	4.019	.5000	4.191	.5185	4.377	.5370	4.574	.5556	4.784	1
26	.5000	4,340	.5185	4.519	.5370	4.710	. 5556	4.914	.5741	5.130	
27	.5185	4.673	.5370	4.858	. 5556	5.056	.5741	5.265	.5926	5.488	
28	.5370	5.019	.5556	5.210	.5741	5.414	.5926	5.630	.6111	5.858	
29	. 5556	5.877	.5741	5.574	. 5926	5.784	.6111	6.006	.6296	6,241	
30	.5741	5.747	.5926	5.951	.6111	6.167	- 6296	6.395	. 6481	6.636	30
31	.5926	6.130	.6111	6.340	. 6296	6.562	. 6481	6.796	.6667	7.043	31
32	.6111	6.525	. 6296	6.741	. 6481	6.969	.6667	7.210	. 6852	7.468	32
33	.6296	6.932	. 6481	7.154	.6667	7.389	. 6852	7.636	.7037	7.895	33
34	.6481	7.352	.6667	7.580	. 6852	7,821	.7037	8.074	.7222	8.340	
35	.6667	7.784	.6852	8.019	.7037	8.265	.7222	8.525	.7407	8.796	35
36	. 6852	8.228	.7037	8.469	.7222	8.722	.7407	8,988	.7593	9.265	36
37	.7037	8.685	.7222	8.932	.7407	9.191	.7593	9.463	.7778	9.747	
38	.7222	9.154	.7407	9.407	.7593	9.673	.7778	9,951	.7963	10,241	
39	.7407	9.636	.7593	9.895	.7778	10.167	.7963	10.451	.8148	10.747	
10	.7598	10.130	.7778	10.395	.7963	10.673	.8148	10.963	.8333	11.265	
11	.7778	10.636	.7963	10.907	.8148	11.191	. 8333	11.488	.8519	11.796	
12	.7968	11.154	.8148	11.432	.8333	11.722	.8519	12.025	.8704	12.340	
13	.8148	11.685	.8333	11.969	.8519	12.265	.8704	12.574	.8889	12.895	
14	.8333	12.228	. 8519	12.519	.8704	12.821	.8889	13.136	.9074	13.463	
15	.8519	12.784	.8704	13.080	.8889	13,389	.9074	13.710	.9259	14.043	
16	.8704	13.352	.8889	13.654	.9074	13.969	. 9259	14.296	.9444	14.636	
17	.8889	13.932	.9074	14.241	.9259	14.562	.9444	14.895	.9630	15.241	
18	.9074	14.525	.9259	14.840	.9444	15.167	.9630	15.506	.9815	15,858	
19	.9259	15.130	.9444	15.451	.9630	15.784	.9815		1.0000	16,488	
60	.9444	15.747	.9630	16.074	.9815	16.414		16.765		17.130	
		20.121		20.044	,,,,,,		-1.0000	201100	2.0100	21.100	_
-1			2		3	,		1	5		1

SECOND SERIES.

### TABLE XLVIL—BASE 1.—SLOPES ½ to 1.

	- 1	5	7	7	1	8		9		0	
Post	Mult.	Add.	Mult.	Add	Mult.	Add	Mult.	Add	Mult.	Add.	Foot.
0	.1111	. 222	.1296	.302	.1481	. 395	.1667	.500	.1852	.617	1
1	.1296	. 265	.1481	. 352	.1667	. 451	. 1852	. 562	.2037	. 685	( i
2	.1481	. 321	.1667	.414	.1852	.519	.2037	. 636	. 2222	.765	2
3	.1667	.389	.1852	.488	.2037	.599	.2222	.722	.2407	.858	1 3
4	.1852	. 469-	.2037	.574	.2222	. 691	.2407	. 821	. 2593	.963	4
5	. 2037	. 562	.2222	.673	. 2407	.796	.2593	.932	.2778	1.080	
6	. 2222	. 667	.2407	.784	.2593	.914	.2778	1.056	. 2963	1.210	1
7	.2407	.784	. 2593	.907	.2778	1.043	. 2963	1.191	.3148	1.352	
8	. 2598.	.914	.2778	1.043	. 2963	1.185		1.340	.3333	1.506	
9	.2778	1.056	. 2963	1.191	.3148	1.340		1.500	.3519	1.673	
10	. 2963	1.210	.3148	1.352	. 3333	1.506	.3519	1.673	.3704	1.852	
- 1		1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	125 150	1.525	.3519	1.685	.3704	1.858	.3889	2.048	
11	.3148	1.377	. 3333		.3704			2.056			
12	.3333	1.556	.3519	1.710	.3889	1.877	.3889	2.265	.4074	2.247	
13		1.747	. 3704		.4074	2.296	.4259	2.488	.4444		
14	.3704	1.951	. 3889	2.117						2.691	
5	. 3889	2.167	.4074	2.340	. 4259	2.525	.4444	2.722	.4630	2.932	
6	.4074	2.395	. 4259	2.574	.4444	2.765	. 4630	2.969	.4815	3.185	
17	. 4259	2.636	. 4444	2.821	.4630	3.019	.4815	3.228	.5000	3.451	
18	.4444	2.889	.4630	3.080	.4815	3.284	.5000	3.500	.5185	3.728	18
19	.4630	3.154	. 4815	3.352	.5000	3.562	.5185	3.784	.5370	4.019	19
20	.4815	3.432	. 5000	3,636	.5185	3.852	. 5370	4.080	. 5556	4.321	26
21	.5000	3.722	.5185	3.932	.5370	4.154	.5556	4.389	.5741	4.636	91
22	.5185	4.025	.5370	4.241	.5556	4.469	.5741	4.710	.5926	4.963	
23	.5370	4.340	.5556	4.562	.5741	4.796	.5926	5.043	.6111	5.302	
24	. 5556	4.667	.5741	4.895	.5926	5.136	.6111	5.389	. 6296	5.654	
25	.5741	5.006	.5926	5.241	.6111	5.488	.6296	5.747	.6481	6.019	
- 1	***************************************	100	1000000	100000	1000		10000000	1000000			-
26	.5926	5.358	. 6111	5.599	. 6296	5.852	. 6481	6.117	.6667	6.395	
27	.6111	5.722	. 6296	5.969	.6481	6.228	. 6667	6.500	. 6852	6.784	
85	.6296	6.099	. 6481	6.352	.6667	6.617	. 6852	6.895	.7037	7.185	
29	.6481	6.488	. 6667	6.747	. 6852	7.019	.7037	7.302	. 7222	7.599	
30	.6667	6.889	. 6852	7.154	.7037	7,432	.7222	7.722	.7407	8.025	36
31	. 6852	7.302	.7037	7.574	.7222	7.858	.7407	8.154	.7593	8.463	31
32	.7037	7.728	.7222	8.006	.7407	8.296	.7593	8.599	.7778	8.914	35
33	.7222	8.167	.7407	8.451	.7593	8.747	.7778	9.056	.7963	9.377	33
34	.7407	8,617	.7593	8.907	.7778	9.210	.7963	9.525	.8148	9.852	34
35	.7593	9.080	.7778	9.377	.7963	9.685	.8148	10.006	. 8333	10.340	35
36	.7778	9.556	.7963	9.858	.8148	10.173	. 8333	10.500	.8519	10.840	26
37	.7963	10.043	.8148	10.352	.8333	10.673	.8519	11.006	.8704	11.352	
38	.8148	10.543	.8333	10.858	.8519	11.185	.8704	11.525	.8889	11.877	
39	.8333	11.056	.8519	11.377	.8704	11.710		12.056	.9074	12.414	
10	.8519	11.580	.8704	11.907	.8889	12.247	.9074	12.599	.9259	12.963	
	A Company of the	200 0000	200000000000000000000000000000000000000	1000000		100					1
11	.8704	12.117	,8889	12.451	.9074	12.796	.9259	13.154	.9444	13.525	
12	.8889	12.667	.9074	13.006	. 9259	13.358		13,722	.9630	14.099	
43	.9074	13.228	. 9259	13.574	.9444	13.932	.9630	14.302	.9815	14.685	
14	.9259	13.802	. 9444	14.154	.9630	14.519	.9815		1.0000	15.284	
15	.9444	14,389	. 9630	14.747	.9815	15.117	100000	15.500		15.895	
16	.9630	14,988	.9815	15.352	1.0000	15.728	1.0185	16.117	1.0370	16.519	46
17	.9815	15.599	1.0000	15.969	1.0185	16.352	1.0370	16.747	1.0556	17,154	47
18	1.0000	16,222	1,0185	16.599	1.0370	16.988	1.0556	17.389	1.0741	17.802	
19	1.0185	16.858	1.0370	17.241		17.636		18.043		18,463	
	1.0370	17.506			1.0741		1.0926	18.710		19.136	
		ALL THE			- 9	2000	1000	4.45		1000	L
-1	•		7			0	9		10		1

236 SECOND SERIES.

TABLE XLVII.—BASE 1.—SLOPES  $\frac{1}{2}$  to 1.

	1	1	1	2	. 1	3	<del>                                     </del>	14	1 ,	<i>E</i>	
ا ا					· <del></del>					15	ایا
Peet.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Feet.
0	. 2037	.747	. 2222	. 889	.2407	1.043	.2593	1.210	.2778	1.389	, -
$\frac{1}{2}$	. 2222 . 2407	.821 .907	.2407 .2593	.969 $1.062$	.2593 .2778	1.130 1.228	.2778 .2963	1.302 1.407		1.488 1.599	
3	. 2593	1.006	.2778	1.167	. 2963	1.340	. 3148	1.525	.3333	1.722	3
4 5	. 2778	1.117 1.241	.2963	1.284 1.414	.8148	1.463 1.599	. 8333	1.654 1.796		1.858 2.006	
6	. 3148	1.377	.8333	1.556	. 3519	1.747	.3704	1.951	H	2.167	1 -
7	. 3333	1.525	.3519	1.710	.3704	1.907	.3889	2.117		2.340	7
8 9	.3519	1.685 1.858	.3704	1.877 2.056	.3889	2.080 2.265	.4074 .4259	2.296 2.488		2.525 2.722	
10	. 3889	2.043	.4074	2.247	. 4259	2.463	. 4444	2.691		2.932	
11	.4074	2.241 2.451	.4259	2.451 2.667	.4444	2.673 2.895	.4630	2.907		3.154	
12 13	. 4259 . 4444	2.401	.4444	2.895	.4630 .4815	3.130	.4815 .5000	3.136 3.377		3.389 3.636	
14	.4630	2.907	.4815	3.136	.5000	3.377	.5185	3.630	.5370	3.895	14
15 16	.4815	3.154 3.414	.5000	3.389 3.654	.5185	3.636 3.907	.5370 .5556	3.895 4.173	11	4.167 4.451	1 1
16 17	.5185	3.685	.5370	3.932	.5556	4.191	.5741	4.175		4.747	
18	.5370	3.969	.5556	4.222	.5741	4.488	.5926	4.765		5.056	18
19 20	.5556 .5741	4.265 4.574	.5741	4.525 4.840	.5926 .6111	4.796 5.117	.6111 .6296	5.080 5.407		5.377 5.710	
21	. 5926	4.895	.6111	5.167	. 6296	5.451	. 6481	5.747	11	6.056	
22	.6111	5.228	. 6296	5.506	.6481	5.796	.6667	6.099		6.414	
23 24	. 6296 . 6481	5.574 5.932	.6481	5.858 $6.222$	. 6667 . 6852	6.154 $6.525$	.6852 .7037	6.463 6.840		6.784 7.167	
25	. 6667	6.302	.6852	6.599	. 7037	6.907	.7222	7.228	.7407	7.562	1 1
26	. 6852	6.685	.7087	6.988	.7222	7.302	.7407	7.630		7.969 8.389	
27 28	.7037 .7222	7.080 7.488	.7222 .7407	7.389 7.802	.7407 .7593	7.710 8.130	.7593	8.043 8.469	.7778 .7963	8.821	
29	.7407	7.907	.7593	8.228	.7778	8.562	. 7963	8.907	.8148	9.265	
30 31	. 7593	8.340 8.784	.7778	8.667	.7963	9.006 9.463	.8148 .8333	9.358 9.821	ił .	9.722 10.191	1 1
32	.7778 .7963	9.241	.7963	9.117 9.580	.8148	9.463	.8519	10.296	.8519 .8704	10.191	
33	.8148	9.710	. 8333	10.056	.8519	10.414	.8704	10.784	.8889	11.167	
84 35	.8333 .8519	10.191 10.685	.8519 .8704	10.543 11.043	.8704 .8889	10.907 11.414	.8889 .9074	11.284 11.796	.9074	11.673 12.191	
36	. 8704	11.191	.8889	11.556	.9074	11.932	.9259	12.321	.9444	12.722	
37	. 8889	11.710	.9074	12.080	.9259	12.463	.9444	12.858	.9630	13.265	
38 39	.9074	12.241 12.784	.9259	12.617 13.167	.9444	13.006 13.562	.9630 .9815	13.407 13.969	.9815 1.0000	13.821 14.389	
40	. 9444	13.340	.9630	13.728	.9815	14.130	1.0000	14.548	1.0185	14.969	40
41	.9630	13.907	.9815	14.302		14.710	1.0185	15.130		15.562	
42 43	.9815 1.0000	14.488 15.080		14.889 15.488		15.302 15.907	1.0370	15.728 16.340		16.167 16.784	
44	1.0185	15.685	1.0370	16.099	1.0556	16.525	1.0741	16.963	1.0926	17.414	44
	1.0370	16.302	1	16.722	1 1	17.154	1	17.599	1	18.056	
	1.0556 1.0741	16.932 17.574		17.358 18.006		17.796 18.451		18.247 18.907	1.1296 1.1481	18.710 19.377	
48	1.0926	18.228	1.1111	18.667	1.1296	19.117	1.1481	19.580	1.1667	20.056	48
	l. 1111 l. 1296	18.895 19.574	1.1296 1.1481	19.340 20.025		19.796 20.488		20.265 20.963		20.747 $21.451$	
	<u>יייי</u>			2	1	3		4	<u>-</u>	5	-
				-	1	,				•	_

### TABLE XLVII.—BASE 1.—SLOPES ½ to 1.

	1	6	1	7	1	8	1	9	2	0	
Foot.	Mult	Add.	Mult.	Add	Mult.	Add.	Mult.	Add.	Mult.	Add	Peef.
0	. 2963	1.580	.3148	1.784	. 3333	2.000		2.228	.3704	2.469	0
1	. 3148	1.685	.3333	1.895		2.117		2.352 2.488	. 3889	2.599	
3	.3333	$\frac{1.802}{1.932}$	3519	2.019 $2.154$	.3704	2.247 2.389		2.400 2.636		2.741 2.895	
4		2.074		2.302	.4074	2.543		2.796		3.062	
5		2.228	.4074	2.463	. 4259	2.710	.4444	2.969	.4630	3.241	5
6	.4074	2.395	. 4259	2.636	.4444	2.889	.4630	3.154	.4815	8.432	6
7	.4259	2.574		2.821	.4630	3.080	.4815	3.352		<b>3.6</b> 36	
8	.4141	2.765	.4630	3.019	.4815	3.284	.5000	3.562	.5185	3.852	
9 10	. 4630; . 4815	2.969 3.185	: .	3.228 3.451	.5000	3.500 3.728	.5185	8.784 4.019		4.080 4.321	
	.5000		; ;		.5370	3.969	il 1	4.265	E I		
11 12		3.414 3.654	.5185	3.685 3.932	.5556	4.222	.5556	4.525		4.574 4.840	
13		8.907	.5556	4.191	.5741	4.488		4.796		5.117	13
14	. 5556	4.173	.5741	4.463	. 5926	4.765	.6111	5.080		5.407	
15	.5741	4.451	. 5926	4.747	.6111	5.056	. 6296	5.377	. 6481	5.710	15
16		4.741	.6111	5.043	. 6296	5.358		5.685		6.025	16
17	.6111	5.043	. 6296	5.352	.6481	5.673		6.006	N 1	6.852	
18 19	.6296 .6481	5.358 5.685	.6481	5.673 6.006	.6667	6.000 6.340		6.340 6.685		6.691 7.048	
20	.6667	6.025	.6852	6.352	.7037	6.691		7.043		7.407	
21	. 6852	6.377	.7037	6.710	.7222	7.056	II 1	7.414	11 1	7.784	
22	.7037	6.741	.7222	7.080	.7407	7.432	.7593	7.796		8.173	
23	. 7222	7.117	.7407	7.463	.7593	7.821	.7778	8.191	.7963	8.574	23
24	.7407	7.506	.7592	7.858	.7778	8.222	. 7963	8.599		8.988	
25	.7593	7.907	.7778	8.265	. 7963	8.636	11 1	9.019	.8333	9.414	
26	.7778	8.321	.7963	8.685	.8148	9.062	.8333	9.451	.8519	9.852	
$\begin{array}{c} 27 \\ 28 \end{array}$	.7963 .8148	8.747 9.185	.8148	9.117 $9.562$	.8333	9.500 9.951	.8519 .8704	9.895 10.852	.8704 .8889	10.302 10.765	
29	.8383	9.636	.8519	10.019	.8704	10.414		10.821	.9074	11.241	
30	.8519	10.099	.8704	10.488	.8889	10.889	.9074	11.302		11.728	
31	.8704	10.574	.8889	10.969	.9074	11.377	.9259	11.796	.9444	12.228	
32	.8889	11.062	.9074	11.463	.9259	11.877	.9444	12.302		12.741	
33 24	.9074	11.562	.9259	11.969	.9444	12.389	.9630	12.821		13.265	
34 35	.9259	12.074 $12.599$	.9444	12.488 13.019	.9630	12.914 13.451	.9815 1.0000		1.0000 1.0185	13.803 14.352	
36	.9630	13.136	1	13.562	1		1.0185		1.0370	14.914	1 1
37	.9815	13.685		14.117					1.0556	15.488	
	1.0000	14.247	1.0185	14.685	1.0370		1.0556	15.599	1.0741	16.074	
	1.0185	14.821		15.265			1.0741		1.0926	16.678	
	1.0370	15.407	i i	15.858	1 1		1.0926		1.1111	17.284	1
	1.0556	16.006		16.463			1.1111	17.414		17.907	
	$1.0741 \\ 1.0926$	16.617 17.241		17.080 17.710			1.1296 1.1481		1.1481 1.1667	18.543 19.191	
	1.1111	17.877		18.352			1.1461		1.1852	19.191	
	1.1296		1.1481	19.006			1.1852		1.2047	20.525	
46	1.1481	19.185	1.1667	19.673	1.1852	20.173	1.2047	20.685	1.2222	21.210	46
	1.1667	19.858	1.1852	20.352	1.2047	20.858	1.2222	21.377	1.2407	21.907	47
	1.1852	20.543	1.2047	21.043		21.556	1.2407		1.2593	22.617	
	$1.2047 \\ 1.2222$	21.241 $21.951$	1.2222	21.747 $22.463$		22.265 22.988	1.2593		1.2778 1.2963	23.340 24.074	
		21.501	1.2107	22.400	1.2000	22.300	1.2110	20.020	1.2000	4T. U/4	
	1	6	ì	7	1	8	1	9	2	0	

TABLE XLVII.—BASE 1.—SLOPES  $\frac{1}{2}$  to 1.

J	2	1	2	2	2	23	24		2	5	
Feet.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Feet.
0	. 3889	2.722	.4074	2.988	. 4259	3.265	. 4444	3.556	. 4630	3.858	-
1	.4074	2.858	. 4259	3,130	.4444	3.414	.4630	3.710	.4815	4.019	
2	. 4259	3.006	.4444	3.284	.4630	3.574	.4815	3.877	.5000	4.191	
3	.4444	3.167	.4630	3.451	.4815	3.747	.5000	4.056	.5185	4.377	
4	.4630	3.340	.4815	3.630	.5000	3.932	.5185	4.247	.5370	4.574	
5	.4815	3.525	.5000	3.821	.5185	4.130	.5370	4.451	.5556	4.784	
71	. 5000	3.722	.5185	4.025	.5870	4.340	. 5556	4.667	.5741	5.006	1
6	.5185		.5370	4.241	.5556	4.562	.5741	4.895	.5926	5.241	1.0
7		3.932				4.796	.5926	5.136			
8	.5370	4.154	. 5556	4.469	.5741	5.043		5.389	.6111	5.488	
9	. 5556	4.389	.5741	4.710	.5926		.6111		.6296	5.747	
10	.5741	4.636	. 5926	4.963	,6111	5.302	. 6296	5.654	,6481	6.019	1
11	.5926	4.895	. 6111	5.228	. 6296	5.574	. 6481	5.932	.6667	6.302	1
12	. 6111	5.167	. 6296	5.506	. 6481	5.858	. 6667	6.222	.6852	6.599	15
13	. 6296	5.451	. 6481	5.796	. 6667	6.154	. 6852	6.525	.7037	6.907	1:
4	. 6481	5.747	.6667	6.099	. 6852	6.463	. 7037	6,840	.7222	7.228	1
5	. 6667	6.056	.6852	6.414	.7037	6.784	.7222	7.167	.7407	7.562	
- 1	. 6852	40.00	.7037	6.741	.7222	7.117	.7407	7.506	.7593		1
6		6.377								7.907	
7	.7037	6.710	.7222	7.080	.7407	7.463	.7593	7.858	.7778	8.265	
8	.7222	7.056	.7407	7.432	. 7593	7.821	.7778	8.222	.7963	8.636	
9	.7407	7.414	.7593	7.796	.7778	8.191	. 7963	8.599	.8148	9.019	
0	.7593	7.784	.7778	8.173	. 7963	8,574	.8148	8,988	. 8333	9.414	2
1	.7778	8.167	.7963	8.562	.8148	8,969	. 8333	9.389	.8519	9.821	2
2	. 7963	8.562	.8148	8.963	, 8333	9.377	.8519	9.802	.8704	10.241	25
3	.8148	8.969	.8333	9.377	.8519	9.796	.8704	10.228	.8889	10.673	
4	. 8333	9.389	.8519	9.802	.8704	10.228	.8889	10.667	.9074	11.117	
5	.8519	9.821	.8704	10.241	.8889	10.673	.9074	11,117	.9259	11.574	
1	100		140,000,000		No. of Parties of	3450 A 360	10000	Parameter 11/198	THE OCK		
6	.8704	10.265	.8889	10.691	.9074	11,130	.9259	11.580	.9444	12.043	
27	. 8889	10,722	.9074	11.154	.9259	11.599	.9444	12.056	.9630	12.525	
8	.9074	11.191	. 9259	11.630	.9444	12.080	. 9630	12.543	.9815	13.019	
29	. 9259	11.673	. 9444	12.117	,9630	12.574	.9815	13.043	1.0000	13.525	
10	.9444	12.167	.9630	12.617	.9815	13.080	1.0000	13.556	1.0185	14.043	30
1	.9630	12.673	.9815	13.130	1.0000	13.599	1.0185	14.080	1.0370	14.574	3
12	.9815		1.0000		1.0185	14.130	1.0370	14.617	1.0556	15.117	
33	1.0000	13,722		14.191	1.0370	14.678			1.0741	15.673	
14	1.0185		1.0370		1.0556	15.228	1.0741	15.728	1.0926	16.241	
	1.0370	14,821		15.302		15.796		16.302	1.1111	16.821	
100	1.0556	15.389	1	15.877	100 100 100 100 100	16.377	11 14 15 15	C. C. C. C. C.	1.1296	17.414	-
	1.0741										
		15.969		16.463		16.969		17.488		18.019	
	1.0926	16.562		17.062		17.574			1.1667	18.636	
	1.1111	17.167		17.673		18.191		18.722		19.265	
O	1.1296	17.784	1.1481	18.296	1.1667	18,821	1.1852	19.358	1.2047	19.907	4
	1.1481	18.414	1.1667	18,932	1.1852	19,463		20.006	1.2222	20.562	4
2	1.1667	19.056	1.1852	19.580	1.2047	20.117	1.2222	20.667	1.2407	21.228	45
3	1.1852	19.710	1.2047	20,241	1.2222	20.784	1.2407	21.340	1.2593	21.907	4
4	1.2047	20.377	1.2222	20.914	1.2407	21.463	1.2593	22.025	1.2778	22.599	4
5	1,2222	21.056		21.599		22.154		22.722		23.302	
- 1	1.2407	21.747	200000000000000000000000000000000000000	100000	1.2778	22.858	Mr. Alleria	23.432	and the second	24.019	1
	1.2593										
	1.2778	22.451			1.2963		1.3148	24.154		24.747	
		23.167			1.3148		1.3333	24.889		25.488	
	1.2963	23.895			1.3333		1.3519	25,636		26.241	
10	1.3148	24.636	1.3333	25.210	1.3519	25.796	1,3704	26,395	1.3889	27.006	5
		1		9	- 6	2	6	24	0	E	-
1	2	21	2	2	2	3	2	24	25		

SECOND SERIES.



### TABLE XLVII.—BASE I.—SLOPES ½ to 1.

-	2	6	2	7	2	8	2	9	3	0	1
Foot	Mult.	Add	Mult.	Add.	Mult	Add	Mult.	Add	Mult.	Add.	Post.
0	.4815	4.173	.5000	4.500	.5185	4.840	.5370	5.191	.5556	5,556	1
1	1 1 2 4 2 2 4	4.340	. 5185	4.673	. 5370	5.019	. 5556	5.377	.5741	5.747	11
2	12 - 2 - 2	4.519	. 5370	4.858	.5556	5.210	.5741	5.574	.5926	5.951	1
3	.5370	4.710	.5556	5.056	. 5741	5.414	.5926	5.784	.6111	6.167	
4	.5556	4.914	.5741	5.265	.5926	5.630	.6111	6.006	.6296	6.395	1
5	.5741	5.130	.5926	5.488	.6111	5.858	. 6296	6,241	. 6481	6.636	
17.1	. 5926	W. S. S. S. S. S.	.6111	5.722		6.099	. 6481	6.488	.6667	6,889	•
6			.6296	5.969	.6481	6.352	.6667	6.747	.6852	7.154	
7	.6111	5.599	.6481	6.228	.6667	6.617	.6852	7.019	.7037	7.432	
8	. 6296	5.852			. 6852	6.895	.7037	7.302	.7222	7.722	
9	. 6481	6.117	.6667	6.500			.7222		.7407	8.025	
10	. 6667	6.395	100	6.784	.7037	7.185		7.599	DOM: N		₩.
11	. 6852	6.685	.7037	7.080	.7222	7.488		7.907	.7593	8.340	
12	. 7037	6.988	.7222	7.389	. 7407	7.802	.7593	8.228	.7778	8.667	
13	.7222	7.302	.7407.	7.710	.7593	8,130	.7778	8.562	.7963	9.006	1
14	.7407	7.630	. 7593	8.043	.7778	8.469	. 7963.	8.907	.8148	9.358	1
15	.7593	7.969		8,389	.7963	8.821	.8148	9.265	.8333	9.722	1
	11-11-12-20	8,321	.7963	8.747	. 8148	9.185	. 8333	9.636	,8519	10.099	de
16				9.117	. 8333	9.562	.8519		.8704	10.488	
17	.7963	8.685	.8148			9.951	.8704	10.414	.8889	10.889	
18		9.062	.8333		. 8519	10.352			.9074	11.302	
19	. 8333	9.451	.8519	9.895	.8704		.8889	10.821			
20	.8519	9.852	.8704	10.302	The State of the S	10.765	.9074	11.241	.9259	11.728	
21	.8704	10.265	.8889	10.722	.9074	11, 191	.9259	11,673	.9444	12.167	
22	.8889	10,691	.9074	11.154	.9259	11,630	.9444	12, 117	.9630	12.617	72
23	.9074	11,130	.9259	11.599	.9444	12.080	.9630	12.574	.9815	13.080	2
24		11.580	.9444	12.056	.9630	12,543	.9815	13.043	1.0000	13.556	12
25		12.043	.9630	12.525	.9815	13.019	1.0000	13.525	1.0185	14.043	12
- 1	And the last of the same of	100 mg (page 1)	1 - 1		1.0000	19 506	1.0185		1.0370	14.548	9
26		12,519	. 9815		1.0185	14.006			1.0556	15.056	
	.9815		1.0000				1.0556		1.0741	15.580	
	1.0000	13.506			1.0370		1.0741		1.0926	16.117	
	1.0185	14.019			1.0556						
30	1.0370	14.543	1.0556		1.0741		1.0926		1.1111	16.667	
31	1.0556	15.080	1.0741	15,599	1.0926	16.130	1.1111	16.673	1.1296	17.228	
32	1.0741	15.630	1.0926	16.154	1.1111	16.691	1.1296	17.241	1.1481	17.802	3
	1.0926	16.191	1.1111	16.722	1.1296	17.265	1.1481	17.821	1.1667	18.389	3
	1.1111	16.765	1.1296	17.302	1.1481	17.852	1.1667	18.414	1.1852	18,988	3
	1.1296	17.352		17.895	1.1667	18.451	1.1852	19.019	1.2047	19.599	3
37	1.000	17,951	1.1667	18.500		19 069	1.2047	19.636	1 9999	20.222	3
	1.1481			19.117			1.2222	20.265		20.858	
	1.1667	18.562	1.1852		1.2222		1.2407	20.203		21.506	
	1.1852	19.185	1.2047	20 220	1 9407		1.2593	21.562		22.167	
	1.2047	19.821	1.2222	20.389			1.2778	22,228		22.840	
10	1.2222	20.469	1.2407	21.043		LUN 2004	E-05-2-304		V - V - 1		1.
11	1.2407	21.130	1.2593	21.710			1.2963	22.907		23.525	
12	1.2593	21,802	1.2778	22.389	1.2963		1.3148	23.599		24.222	
	1.2778	22,488	1.2963	23.080			1.3333	24.302		24.932	
	1.2963	23.185	1.3148	23.784		24.395	1.3519	25.019		25.654	
	1.3148	23,895	1.3333	24.500		25.117	1.3704	25.747	1.3889	26.389	14
- 1	1.3333	24.617	1.3519	25.228		25.859	1.3889	26,488	1.4074	27.136	14
			1.3704	25.969			1.4074	27.241		27.895	
	1.3519	25.352		26.722			1.4259	28.006		28.667	
	1.3704	26.099			1.4259		1.4444	28.784		29.451	
	1.3889	26.858	1.4074	27.488			1.4630	29.574		30.247	
00	1.4074	27.630	1.4259	28.265	1.4444	40.314	1.4000	20.014	1.4010	50.541	ľ
-	-	0		CI		3					T
- 1	26		9	7	28		29		30		

SECOND SERIES.

### TABLE XLVII.—BASE 1.—SLOPES ½ to 1.

ı	3	it	3	2	3	3	3	4	3	5	
Feet.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Posts
0	.5741	5.932	.5926	6.321	. 6111	6.722	. 6296	7.136	. 6481	7,562	-
1	. 5926	6.130	.6111	6.525	,6296	6.932	. 6481	7.352	. 6667	7.784	
2	.6111	6.340	. 6296	6.741	.6481	7.154	. 6667	7.580	.6852	8.019	
3	.6296	6.562	. 6481	6.969	. 6667	7.389	. 6852	7.821	.7037	8.265	
4	. 6481	6.796	. 6667	7.210	. 6852	7.636	.7037	8.074	.7222	8.525	
5	.6667	7.043	. 6852	7.463	.7037	7.895	.7222	8.340	.7407	8.796	
6	. 6852	7.302	.7037	7.728	.7222	8.167	.7407	8,617	.7593	9.080	
7	.7037	7.574	.7222	8.006	.7407	8.451	.7593	8.907	.7778	9.377	l
8	.7222	7.858	.7407	8.296	.7593	8.747	.7778	9,210	.7963	9.685	1
9	.7407	8.154	.7593	8.599	.7778	9.056	.7963	9.525	.8148	10,006	
0	.7593	8.463	.7778	8.914	.7963	9.377	.8148	9.852	.8333	10.340	1
1	.7778	8.784	.7963	9.241	.8148	9.710	. 8333	10.191	. 8519	10.685	ı
2	. 7963	9.117	.8148	9.580	,8333	10.056	.8519	10.543	.8704	11,043	
3	.8148	9.463	.8333	9.932	.8519	10.414	.8704	10.907	.8889	11,414	
4	.8333	9.821	. 8519	10.296	.8704	10.784	.8889	11.284	.9074	11.796	
5	. 8519	10.191	.8704	10.673	.8889	11.167	.9074	11.673	.9259	12.191	
6	.8704	10.574	.8882	11.062	.9074	11.562	.9259	12.074	.9444	12.599	1
7	.8889	10.969	.9074	11.463	.9259	11.969	.9444	12,488	.9630	13.019	
8	.9074	11.377	.9259	11.877	,9444	12.389	.9630	12.914	.9815	13,451	
9	.9259	11.796	.9444	12.302	.9630	12.821	.9815	13.352	1.0000	13.895	
0	.9444	12.228	.9630	12.741	.9815	13.265	1.0000	13.803	1.0185	14.352	
1	.9630	12.673	.9815	13, 191	1.0000	13.722	1.0185	14.265	1.0370	14.821	Г
2	.9815	13, 130	1.0000	13.654	1.0185		1.0370	14.741	1.0556	15.302	
	1.0000	13.599		14.130	1.0370		1.0556		1.0741	15.796	
	1.0185		1.0370	14.617	1.0556	15.167		15.728	1.0926	16.302	
	1.0370		1.0556	15.117	1.0741		1.0926		1.1111	16.821	
0.1	1.0556	15.080	A STATE OF THE STATE OF	15.630	1.0926	16.191	1.1111	16.765	1.1296	17.352	•
	1.0741			16.154	1.1111		1.1296	17.302	1.1481	17.895	
	1.0926	16.130		16.691	1.1296	17.265			1.1667	18.451	
	1.1111		1.1296	17.241	1.1481		1.1667		1.1852	19.019	
	1.1296		1.1481	17.802	1.1667				1.2047	19.599	
	1.1481	17.796	1.1667	18.377	1.1852	18.969	A 2 CO CO CO		1.2222	20.191	1
	1.1667	18.377		18.963	1.2047		1.2222		1.2407	20.796	
	1.1852	18,969		19.562	1.2222	20.167		20.784	1.2593	21.414	
	1.2047	19.574		20.173	1.2407		1.2593	21.407	1.2778	22.043	
	1.2222	20.191		20.796	1.2593	21.414			1.2963	22.685	
Э	100	20.821	100	21.432	1.2778	A section of the	1.2963	public in the A	B 750000		Г
	1.2407		1.2778					22.691	1.3148	23.340	
	1.2593			22.080	1.2963	22.710		23.352	1.3333	24.006	
	1.2778		1.2963		1.3148	23.377		24.025		24.685	
	1.2963	22.784		23.414 $24.099$	1.3333	24.056		24.710		25.377	
	1.3148	1000	1.3333		1.3519	24.747			1.3889	26,080	
	1.3333	24.154		24.796	1,3704		1.3889	26.117	1.4074	26.796	
	1.3519	24.858			1.3889	26.167		26.840		27,525	
	1.3704	25.574	1.3889		1.4074	26,895		27.574		28, 265	
	1.3889	26.302	1.4074	26.963	1.4259	27.636		28,321	1.4630	29,019	
Ó	1.4074	27.043	1.4259	27.710	1.4444	28,389	1.4630	29.080	1.4815	29.784	4
	1.4259	27.796	1.4444		1.4630	29,154	1.4815	29.852	1.5000	30.562	
7	1.4444	28.562	1.4630	29.241	1.4815	29.932	1.5000	30.636	1.5185	31,352	4
	1.4630	29.340		30,025	1.5000	30.722		31.432	1.5370	32,154	
	1.4815	30.130	1.5000	30.821	1.5185	31,525	1.5370	32.241	1.5556	32,969	4
	1.5000	30.932	1.5185	31.630	1.5370	32.340	1.5556	33.062	1.5741	33.796	
-			-				-				-
- 1		1		2		3		4	3	ted.	1

### TABLE XLVII.—BASE 1.—SLOPES 1 to 1.

1	3	6	3	7	3	8	3	9	4	0	
Foot.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Mult.	Add	Peet.
0	.6667	8.000	. 6852,	8.451	.7037	8.914	.7222	9,389	.7407	9.877	0
1	. 6852	8.228	.7037	8,685	.7222	9.154	.7407	9.636	.7593	10.130	1
2	.7037.	8.469	.7222	8.932	.7407	9.407	.7593	9.895	.7778	10.395	
3	.7222	8.722	.7407	9.191	.7593	9.678	.7778,	10.167	.7963	10.673	
5	.7407	8.988 9.265	.7593	9.463	.7778	9.951	.7963	10.451	.8148	10.963 11.265	
- 1	.7778	9.556					.8148		Maria 201		1
6	.7963	9.858	.7963	10.043 $10.352$	.8148	10.543	.8333	11.056	.8519	11.580	
8	.8148	10.173		10.673	.8519	10.858		11.377	.8889	11.907 12.247	
9	.8333	10.500		11,006		11.525	.8889	12.056	.9074	12.599	
10	.8519	10.840		11.352		11.877	.9074		.9259	12.963	
11	.8704	11.191	The state of the s	11,710			.9259	12.784	.9444	13.340	
12	.8889.	11.556		12.080		12.617		13.167	.9630	13.728	
13	.9074	11.932	.9259	12.463	.9444	13.006	.9630	13.562	.9815	14, 130	
14	. 9259	12,321		12.858	.9630	13.407	.9815		1.0000		
15	.9444	12,722	.9630	13,265	.9815	13.821	1.0000	14.389	1.0185	14.969	15
16	.9630	13.136	.9815	13.685	1.0000	14,247	1.0185	14.821	1.0370	15.407	16
17	.9815	13.562		14.117	1.0185	14.685	1.0370	15.265	1.0556	15.858	17
	1.0000			14.562				15,722			
	1.0185	14.451			1.0556			16.191			
01 I	1.0370			15,488	1	the state of the s		16.673			4
	1.0556	15.389			1.0926		1.1111		1.1296		
	1.0741				1,1111			17.673			
	1.0926	16.377	1.1111		1.1296		1.1667	18.191	1.1852		
	1.1296	17.414			1.1667		1.1852		1.2047		
	1.1481	17, 951	100 march 100 March	20, 10, 100	1.1852	the last transfer of	1		10000		
	1.1667	18.500	0000000	19.117	1.2047		1.2047 $1.2222$		1.2222	20.469	
	1. 1852;	19.062			1. 2222		1.2407		1.2593		
	1.2047	19,636			1.2407			21,562			
30	1.2222	20, 222	1.2407	20,858	1.2598		1.2778		1.2963		
31	1.2407	20,821	1.2593	21,463	1.2778			22.784	1.3148		1
	1.2593	21,432		22,080				23,414			
	1.2778	22.056		22,710				24.056			
	1,2963	22.691		23.352		24.025	1.3519	24.710	1.3704	25.407	34
35	1.3148	23.340	1.3333	24,006	1.3519	24.685	1.3704	25.377	1.3889	26.080	35
	1.3333	24.000			1.3704	25.358	1.3889	26.056	1.4074	26.765	36
	1.3519	24.673			1.3889	26.043	1.4074	26.747	1.4259	27.463	37
	1.3704	25.358		26.043				27.451			
	1.3889	26.056			1.4259			28.167			
	1.4074	26.765		1000	1.4444			28,895			
	1.4259	27.488			1.4630		1.4815		1.5000		
	1.4444	28.222			1.4815			30.389			
	1.4815	29.728			1.5185	30.414		31.932			
	1.5000	30.500			1.5370			32.722			
$^{\circ}$	1.5185	31,284	10 10 10 10 W		1.5556	and the second		33.525			
	1.5370	32.080				33.574	1 5996	34 340	1.6111	35, 117	1
	1.5556	32,889	1.5741	33,636	1.5926	34.395	1.6111	35.167	1.6296	35,951	48
	1.5741	33.710	1.5926	34.363	1.6111.	35, 228	1.6296	36,006	1,6481	36,796	49
50	1.5926	34.543	1.6111	35.302	1.6296	36.074	1.6481	36.858	1.6667	37.654	50
-			-	_		_			7.0		-
- 1	3	6	3	1	38		39		40		1

### TABLE XLVII.—BASE 1,—SLOPES ½ to 1.

l	4	11	4	2	4	3	4	4	4	5	
Feet.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Feet.
0	. 7593	10.377	.7778	10.889	.7963	11.414	.8148	11.951	.8333	12.500	
1	.7778	10,636	.7963	11,154	.8148	11.685	.8333	12.228	.8519	12.784	1
2	.7963	10.907	.8148	11.432	.8333	11.969	.8519	12.519	.8704	13.080	
3	.8148	11.191	.8333	11.722	.8519	12.265	.8704	12.821	.8889	13.389	
4	.8333	11.488	.8519	12.025	.8704	12.574	.8889	13.136	.9074	13.710	
5	.8519	11.796	.8704	12.340	.8889	12.895	.9074	13,463	.9259	14.043	
6	.8704	12.117	.8889	12,667	.9074	13,228	.9259	13.802	.9444	14.389	
7	.8889	12.451	.9074	13.006	.9259	13.574	.9444	14.154	.9630	14.747	
8	.9074	12.796	.9259	13.358	.9444	13.932	.9630	14.519	.9815	15.117	
9	. 9259	13.154	.9444	13.722	.9630	14.302	. 9815	14,895	11 6 10 6 11	15.500	
0	.9444	13.525	.9630	14.099	.9815	14.685	1.0000	15.284	1.0185	15.895	1
1	.9630	13.907			1.0000	15.080	1.0185	15.685	1.0370	16.302	
2		14.302		14.889		15.488	1.0370	16.099	1.0556	16.722	
	1.0000	14,710			1.0370	15.907	1.0556	16.525		17.154	
	1.0185	15.130		15.728		16.340			1.0926	17.599	
5	1.0370	15.562	1.0556	100000000000000000000000000000000000000	1.0741		1.0926	17.414	1.1111	18.056	1
6	1.0556	16.006	1.0741		1.0926	17.241	1.1111	17.877	1.1296	18.525	1
	1.0741	16.463		17.080			1.1296		1.1481	19.006	
	1.0926	16.932		17.556	4 4 4 4 4	18.191		18.840	1.1667	19.500	
	1.1111	17.414		18.043		18.685		19.340	1.1852	20.006	
0	1.1296	17.907	1.1481	18.543	1.1667	19.191	1.1852	19.852	1.2047	20.525	2
1	1.1481	18.414	1.1667	19.056	1.1852	19.710	1.2047	20.377	1.2222	21.056	2
2	1.1667	18.932	1.1852	19.580	1.2047	20.241	1.2222	20.914	1.2407	21.599	2
3	1.1852	19.463	1.2047	20.117	1.2222	20.784	1.2407	21,463	1.2593	22.154	2
4	1.2047	20.006	1.2222	20.667	1.2407	21.340	1.2593	22.025	1.2778	22.722	2
5	1.2222	20.562	1.2407	21.228	1.2593	21.907	1,2778	22.599	1.2963	23,302	2
6	1.2407	21.130	1,2593	21,802	1.2778	22.488	1.2963	23.185	1.3148	23.895	2
	1.2593	21.710		22.389	1.2963	23.080	1.3148	23.784	1.3333	24.500	
	1.2778	22.302		22.988	1.3148	23.685	1.3333	24.395	A Charles and and	25.117	
	1.2963	22.907	1.3148	23.599	1.3333	24.302	1.3519	25.019	1.3704	25.747	
0	1.3148	23.525	1.3333	24.222	1.3519	24.932	1.3704	25.654	1.3889	26.389	
1	1.3333	24, 154	1.3519	24.858	1.3704	25.574	1.3889	26,302	1.4074	27.043	19
	1.3519	24.796		25.506		26.228	1.4074	26.963	1.4259	27.710	
	1.3704	25.451			1.4074	26,895	1.4259	27.636	1.4444	28.389	
	1.3889	26.117		26.840		27.574		28.321	1.4630	29.080	
	1.4074	26.796			1.4444	28.265	1.4630	29.019	1.4815	29.784	
	1.4259	27.488		Park district	1.4630	28,969	1.4815	29.728	1.5000	30.500	r-
	1.4444	28.191			1.4815	29.685	1.5000	30.451	1.5185	31,228	
	1.4630	28.907		29.654	1.5000	30.414	1.5185	31.185	1.5370	31.969	
	1.4815	29.636		30.389		31.154	1.5370		1.5556	32.722	
	1.5000	30.377		31.136			1.5556	32.691		33.488	
- 1	100	The second		Design Co. Co. Sec.	10.500 (4.30)	32.673	1000000	100 C - 100 C	of comments	34.265	
	1.5185 $1.5370$	31, 130	1.5556		1.5556 $1.5741$	33.451	1.5741 $1.5926$	33.463 $34.247$	1.5926 $1.6111$	35.056	
	1.5556		1.5741	33.451		34.241		35.043		35.858	
	1.5741	33.463		34.247		35.043	1.6296	35.852	1.6481	36.673	
	1.5926	34.265			1.6296	35.858	1.6481	36.673	1.6667	37.500	
	Property and	And the second			1-2000	10.242.23	100	7-4-1 NOTE			
	1.6111		1.6296	35.877	1.6481	36.685	1,6667	37.506	1.6852	38.340	
	1.6296	35.907			1.6667	37.525	1.6852	38.352	1.7037	39.191	
	1.6481	36.747		37.556		38.377	1.7037	39.210	1.7222	40.056	
	1.6667 1.6852	38.463	1.6852		1.7037 $1.7222$	39.241 $40.117$	1.7222	40.080	1.7407	40.932	
٠	1.0002	30, 405	1.7037	00.204	1.1222	10.117	1.7407	20.000	1.7593	41.821	10
			- 0	0	1	0			-		1
	4	-1	4	2	4	3	4	4	4	5	1

SECOND SERIES.

# TABLE XLVII.—BASE 1.—SLOPES ½ to 1.

	4	6	4	7	4	8	4	19	5	60	П
F. 25	Mult.	Add.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Post.
0 1 2	.8519 .8704 .8889	13.062 13.352 13.654	.8704 .8889 .9074	13.636 13.932 14.241	.8889 .9074 .9259	14.222 14.525 14.840		14.821 15.130 15.451		15.432 15.747 16.074	
3 4 5 6	.9074 .9259 .9444 .9630	18.969 14.296 14.636 14.988	.9259 .9444 .9630	14.562 14.895 15.241 15.599	.9444 .9630 .9815			16.488	.9815 1.0000 1.0185 1.0370	16.414 16.765 17.130 17.506	4 5
7 8 9	.9815 1.0000 1.0185	15.352 15.728 16.117	1.0000 1.0185 1.0370	15.969 16.352 16.747	1.0185 1.0370 1.0556	16.599 16.998 17.389	1.0370 1.0556 1.0741	17.241 17.636 18.043	1.0556 1.0741 1.0926	17.895 18.296 18.710	7 8 9
11 12	1.0370 1.0556 1.0741	16.932	1.0926	17.574 18.006	1.0741 1.0926 1.1111	18.228 18.667	1.0926 1.1111 1.1296 1.1481	18.895 19.340	1.1111 1.1296 1.1481	19.136 19.574 20.025	11 12
14 15	1.0926 1.1111 1.1296 1.1481		1.1296 1.1481	18.907 19.377 19.858	1.1667	19.580 20.056	1.1461 1.1667 1.1852 1.2047	20.265 20.747	1.1667 1.1852 1.2047 1.2222	20.488 20.963 21.451 21.951	14 15
17 18 19	1.1667 1.1852 1.2047 1.2222		1.1852 1.2047	20.352 20.858 21.377		21.043 21.556 22.080	1.2222 1.2407 1.2593 1.2778	21.747 22.265 22.796	1.2407 1.2593 1.2778 1.2963	22.463 22.988 23.525 24.074	17 18 19
21 22	1.2407 1.2593 1.2778	21.747 22.296 22.858	1.2593	22.451 23.006 23.574	1.2778 1.2963 1.3148	23.167 23.728 24.302	1.2963 1.3148 1.3333	23.895 24.463	1.3148 1.3333 1.3519	24.686 25.210 25.796	21 22
25 26	1.2963 1.3148 1.3333		1.3333 1.3519		1.3519 1.3704	25.488 26.099	1.3519 1.3704 1.3889	26.241 26.858	1,3704 1,3889 1,4074	26.395 27.006 27.630	25 26
28 29	1.3519 1.3704 1.3889 1.4074	25.228 25.852 26.488 27.136	1.3889 1.4074	25.969 26.599 27.241 27.895	1.4074 1.4259	27.358 28.006	1.4074 1.4259 1.4444 1.4630	28.130 28.784	1.4259 1.4444 1.4630 1.4815	28.265 28.914 29.574 30.247	28 29
32 33 34	1.4259 1.4444 1.4630 1.4815 1.5000	27.796 28.469 29.154 29.852 80.562	1.4630 1.4815 1.5000	28.562 29.241 29.932 30.636 31.352	1.4815 1.5000 1.5185	30.025 30.722	1.5185 1.5370	39.821 31.525 32.241	1.5000 1.5185 1.5370 1.5556 1.5741	30.932 31.630 32.340 33.062 33.796	32 33 34
37 38 89	1.5185 1.5370 1.5556 1.5741 1.5926	31.204 32.019 32.765 33.525 34.296	1.5556 1.5741 1.5926	32.080 32.821 33.574 34.340 35.117	1.5741 1.5926 1.6111	32.889 33.636 34.895 35.167 35.951	1.5926 1.6111 1.6296	34.463 35.228 36.006	1.5926 1.6111 1.6296 1.6481 1.6667	34.543 35.302 36.074 36.858 37.654	37 38 39
41 42 48 44	1.6111 1.6296 1.6481 1.6667 1.6852	35.080 35.877 36.685 37.506 38.340	1.6296 1.6481 1.6667 1.6852	35.907 36.710 37.525	1.6481 1.6667 1.6852 1.7037	36.747 37.556 38.377 39.210	1.6667 1.6852 1.7037	37.599 38.414 39.241 40.080	1.6852 1.7037 1.7222 1.7407 1.7593	38.463 39.284 40.117 40.963 41.821	41 42 43 44
46 47 48 49	1.7037 1.7222 1.7407 1.7593 1.7778	39, 185 40, 043 40, 914 41, 796	1.7222 1.7407 1.7593 1.7778	40.043 40.907 41.784	1.7407 1.7593 1.7778 1.7963	40.914 41.784 42.667 43.562	1.7593 1.7778 1.7963 1.8148	41.796 42.673 43.562 44.463	1.7778 1.7963 1.8148 1.8333	42.691 43.574 44.469 45.377 46.296	46 47 48 49
	4	6	4	7	4	8	4	9	5	0	

244 SECOND SERIES.

### TABLE XLVIII.—BASE 1.—SLOPES 3 to 1.

- 1		1	2		3		4		5		
Poet.	Mult.	Add.	Feet.								
0	.0185	.009	.0370	.037	.0556	.083	.0741	.148	.0926	. 231	0
1	.0370	.028	.0556	.065	.0741	.120	.0926	.194	.1111	.287	1
2	.0556	.065	.0741	.111	.0926	.176	.1111	.259	1296	.361	2
3	.0741	.120	.0926	.176	.1111	. 250	.1296	. 343	.1481	.454	
4	.0926	.194	.1111	.259	.1296	. 343	.1491	.444	.1667	.565	
5	.1111	.287	.1296	.361	.1481	.454	.1667	. 565	.1852	. 694	5
6	.1296	.398	.1481	.481	.1667	. 583	.1852	.704	. 2037	.843	1 -
7	.1481	.528	.1667	.620	.1852	.731	.2037	.861	.2222	1.009	41.5
8	.1667	. 676	.1852	.778	.2037	.898	.2222	1.037	.2407	1.194	
9	.1852	.843	.2037	.954	.2222	1.083	.2407	1.231	. 2593	1.398	
10	. 2037	1.028	.2222	1.148	.2407	1.287	. 2593	1.444	.2778	1.620	
11	. 2222	1.231	.2407	1.361	. 2593	1.509	.2778	1.676	. 2963	1.861	11
12	. 2407	1.454	. 2593	1.593	.2778	1.750	. 2963	1.926	.3148	2.120	
13	. 2593	1.694	.2778	1.843	. 2963	2.009	.3148	2.194	. 3333	2.398	
14	.2778	1.954	. 2963	2.111	.3148	2.287	.3333	2,481	.3519	2.694	
15	. 2963	2.231	.3148	2.398	. 3333	2.583	.3519	2.787	.3704	3.009	
16	.3148	2.528	. 3333	2.704	. 3519	2.898	.3704	3.111	.3889	3.343	16
17	. 3333	2.843	. 3519	3,028	.3704	3.231	.3889	3.454	.4074	3.694	
18	.3519	3.176	. 3704	3.370	.3889	3.583	.4074	3.815	. 4259	4.065	
19	.3704	3.528	.3889	3,731	.4074	3.954	.4259	4,194	.4444	4.454	
20	.3889	3.898	.4074	4.111	. 4259	4.343	.4444	4.593	.4630	4.861	100
21	.4074	4.287	. 4259	4.509	.4444	4.750	.4630	5.009	.4815	5.287	
22	.4259	4.694	.4444	4.926	.4630	5.176	.4815	5.444	.5000	5.731	
23	.4444	5.120	.4630	5.361	.4815	5.620	.5000	5.898	.5185	6.194	
24	.4630	5.565	.4815	5.815	.5000	6.083	.5185	6.370	.5370	6.676	
25	.4815	6.028	.5000	6.287	.5185	6.565	.5370	6.861	. 5556	7.176	150
26	.5000	6.509	.5185	6.778	.5370	7.065	.5556	7.370	. 5741	7.694	
27	.5185	7.009	.5370	7.287	. 5556	7.583	.5741	7.898	.5926	8.231	
28	.5370	7.528	. 5556	7.815	.5741	8.120	.5926	8.444	.6111	8.787	
29	. 5556	8.065	.5741	8.361	. 5926	8.676	.6111	9.009	. 6296	9.361	
30	.5741	8,620	.5926	8,926	.6111	9.250	. 6296	9.593	. 6481	9.954	
31	.5926	9.194	. 6111	9.509	. 6296	9.843	. 6481	10.194	. 6667	10.565	
32	.6111	9.787	. 6296	10.111	. 6481	10.454	. 6667	10.815	. 6852	11.194	
33	. 6296	10.398	. 6481	10.731	.6667	11.083	. 6852	11.454	.7037	11.843	
34	. 6481	11.028	. 6667	11.370	. 6852	11.731	.7037	12.111	.7222	12.509	
35	. 6667	11.676	.6852	12.028	.7037	12,398	.7222	12.787	.7407	13.194	
36	. 6852	12.343	.7037	12.704	.7222	13.083	.7407	13.481	.7593	13.898	
37	.7037	13.028	.7222	13,398	.7407	13.787	.7593	14.194	.7778	14.620	
38	.7222	13.731	.7407	14.111	.7593	14.509	.7778	14.926	.7963	15.361	
39	.7407	14,454	.7593	14.843	.7778	15.250	.7963	15.676	.8148	16,120	
10	.7593	15.194	.7778	15.593	.7963	16.009	.8148	16.444	.8333	16.898	100
11	.7778	15.954	. 7963	16.361	.8148	16.787	, 8333	17.231	.8519	17.694	
12	.7963	16.731	.8148	17.148	.8333	17.583	.8519	18.037	.8704	18.509	
13	.8148	17.528	.8333	17.954	.8519	18.398	.8704	18.861	.8889	19.343	
14	. 8333	18.343	.8519	18.778	.8704	19.231	.8889	19.704	.9074	20.194	
15	.8519	19.176	.8704	19.620	.8889	20.083	.9074	20.565	.9259	21,065	
16	.8704	20.028	,8889	20,481	.9074	20.954	.9259	21.444		21.954	
47	.8889	20.898	.9074	21.361	.9259	21.843	.9444	22.343	.9630	22.861	
18	.9074	21.787	.9259	22.259	.9444	22,750	.9630	23.259	,9815	23.787	
19	.9259	22.694	.9444	23,176	.9630	23.676	.9815	24.194		24.731	
50	.9444	23.620	.9630	24.111	,9815	24.620	1.0000	25,148	1.0185	25.694	50
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SECOND SERIES.

Mult.   Add.		7		8		9	1	0 .	
1         .1296         .398           2         .1461         .481           3         .1667         .583           4         .1852         .704           5         .2037         .843           6         .2222         1.000           7         .2407         1.176           8         .2593         1.870           9         .2778         1.583           10         .2963         1.815           11         .3148         2.065           12         .3333         2.333           13         .3519         2.620           14         .3704         2.926           15         .3889         3.250           16         .4074         3.593           17         .4259         3.954           4444         4.333         19           20         .4815         5.148           21         .5000         5.583           22         .5185         6.037           23         .5370         6.509           24         .5556         7.000           25         .5741         7.509 <t< th=""><th>Mult.</th><th>Add</th><th>Mult.</th><th>Add.</th><th>Mult.</th><th>Add.</th><th>Mult.</th><th>Add.</th><th>Foot.</th></t<>	Mult.	Add	Mult.	Add.	Mult.	Add.	Mult.	Add.	Foot.
1         .1296         .398           2         .1461         .481           3         .1667         .583           4         .1852         .704           5         .2037         .843           6         .2222         1.000           7         .2407         1.176           8         .2593         1.870           9         .2778         1.583           10         .2963         1.815           11         .3148         2.065           12         .3333         2.333           13         .3519         2.620           14         .3704         2.926           15         .3889         3.250           16         .4074         3.593           17         .4259         3.954           4444         4.333         19           20         .4815         5.148           21         .5000         5.583           22         .5185         6.037           23         .5370         6.509           24         .5556         7.000           25         .5741         7.509 <t< td=""><td>.1296</td><td>.454</td><td>.1481</td><td>.593</td><td>.1667</td><td>.750</td><td>.1852</td><td>.926</td><td>0</td></t<>	.1296	.454	.1481	.593	.1667	.750	.1852	.926	0
2 .1481 .481 3 .1667 .583 4 .1852 .704 5 .2037 .843 6 .2222 1.000 7 .2407 1.176 8 .2593 1.370 9 .2778 1.583 10 .2963 1.815 11 .3148 2.065 12 .3333 2.333 13 .3519 2.620 14 .3704 2.926 15 .3889 3.250 16 .4074 3.593 17 .4259 3.954 18 .4444 4.333 19 .4630 4.731 20 .4815 5.148 21 .5000 5.583 22 .5185 6.037 23 .5370 6.509 24 .5556 7.000 25 .5741 7.509 26 .5926 8.037 27 .6111 8.583 28 .6296 9.148 29 .6481 9.731 30 .6667 10 .333 31 .6852 10 .954 32 .7037 11.593 33 .7222 12.250 34 .7407 12.926 35 .7593 13.620 36 .7778 14.333 37 .7963 15.065 38 .848 15.815 38 .8333 16.583 40 .8519 17.370 41 .8704 18.176 42 .8889 17.370 41 .8704 18.176 42 .8889 17.370 41 .8704 18.176 42 .8889 17.370 41 .8704 18.176 42 .8889 17.370 41 .8704 18.176 42 .8889 19.000 43 .9074 19.843 44 .9259 20.704 45 .9444 21.583 46 .9630 22.481 47 .9815 23.398 48 1.0000 24.333 19 1.0185 25.287		.528	.1667	. 676	.1852	. 843	.2037	1.028	
3         .1667         .583           4         .1852         .704           5         .2037         .843           6         .2222         1.000           7         .2407         1.176           8         .2593         1.870           9         .2778         1.583           10         .3148         2.065           12         .3333         2.333           13         .3519         2.620           14         .3704         2.926           15         .3889         3.250           16         .4074         3.593           17         .4259         3.954           18         .4444         4.333           19         .4630         4.731           20         .4815         5.148           21         .5000         5.583           22         .5185         6.037           23         .5370         6.509           24         .5556         7.000           25         .5741         7.509           26         .5741         8.583           29         .6481         9.731		. 620	. 1852	.778	.2037	.954	. 2222	1.148	
4 .1852 .704 5 .2037 .843 6 .2222 1.000 7 .2407 1.176 8 .2593 1.370 9 .2778 1.583 10 .2963 1.815 11 .3148 2.065 13 .333 2.333 13 .3519 2.620 14 .3704 2.926 15 .3889 3.250 16 .4074 3.593 19 .4630 4.731 20 .4815 5.148 21 .5000 5.583 19 .4630 4.731 20 .4815 5.148 21 .5000 5.583 22 .5185 6.037 23 .5370 6.509 24 .5556 7.000 25 .5741 7.509 26 .5926 8.037 27 .6111 8.583 28 .6296 9.148 29 .6481 9.731 30 .6667 10.333 31 .6852 10.954 31 .6852 10.954 32 .7037 11.593 33 .7222 12.250 34 .7407 12.926 35 .7593 13.620 36 .7778 14.333 37 .7223 12.250 38 .8148 15.815 39 .8333 16.583 40 .8519 17.370 41 .8704 18.176 42 .8889 9.000 43 .9074 19.843 44 .9259 20.704 45 .9444 21.583 46 .9630 22.481 47 .9815 23.398 48 1.0000 24.333 49 1.0185 25.287			. 2037	.898	.2222	1.083	.2407	1.287	3
5         .2037         .843           6         .2222         1.000           7         .2407         1.176           9         .2778         1.583           10         .2963         1.815           11         .3148         2.065           12         .3333         2.333           3         .3519         2.620           14         .3704         2.926           15         .3889         3.250           16         .4074         3.593           17         .4259         3.954           18         .4444         4.333           19         .4630         4.731           20         .4815         5.148           21         .5000         5.583           22         .5185         6.037           23         .5370         6.509           24         .5556         7.000           25         .5741         7.509           26         .5926         8.037           27         .6111         8.582           28         .6296         9.148           29         .6481         9.731			.2222	1.037	.2407	1.231	.2593	1.444	
7 .2407 1.176 8 .2593 1.370 8 .2593 1.370 1.583 10 .2963 1.815 11 .3148 2.065 12 .3333 2.333 13 .3519 2.620 14 .3704 2.926 15 .3889 3.250 16 .4074 3.593 17 .4259 3.954 18 .4444 4.333 19 .4630 4.731 20 .4815 5.148 21 .5000 5.583 22 .5185 6.037 23 .5370 6.509 24 .5556 7.000 25 .5741 7.509 26 .5926 8.037 27 .6111 8.583 28 .6296 9.148 29 .6481 9.731 30 .6667 10.333 31 .6852 10.954 32 .7037 11.593 31 .6852 10.954 32 .7037 11.593 31 .6852 10.954 32 .7037 11.593 31 .6852 10.954 32 .7037 11.593 31 .6852 10.954 32 .7037 11.593 31 .6852 10.954 32 .7037 11.593 31 .6852 10.954 32 .7037 11.593 31 .6852 10.954 32 .7037 11.593 31 .6852 10.954 32 .7037 11.593 31 .6852 10.954 32 .7037 11.593 31 .6852 10.954 32 .7037 11.593 31 .6852 10.954 32 .7037 11.593 31 .6852 10.954 32 .7037 11.593 31 .6852 10.954 32 .7037 11.593 31 .6852 10.954 32 .7037 11.593 31 .6852 10.954 32 .7037 11.593 31 .6852 10.954 32 .7037 11.593 31 .6852 10.954 32 .7037 12.926 34 .7407 12.926 35 .7593 13.620 36 .7778 14.333 37 .7963 15.065 38 .8148 15.815 39 .8333 16.583 40 .8519 17.370 41 .8704 18.176 42 .8889 17.370 44 .9259 20.704 45 .9444 21.583 46 .9630 22.481 47 .9815 23.398 48 1.0000 24.333 49 1.0185 25.287				1.194	.2593	1.398	.2778	1.620	
7 .2407 1.176 8 .2593 1.370 9 .2778 1.583 10 .2963 1.815 11 .3148 2.065 12 .3333 2.333 13 .3519 2.620 14 .3704 2.926 15 .3889 3.250 16 .4074 3.593 17 .4259 3.954 18 .4444 4.333 19 .4630 4.731 20 .4815 5.148 21 .5000 5.583 22 .5185 6.037 23 .5370 6.509 24 .5556 7.000 25 .5741 7.509 26 .5926 8.037 27 .6111 8.583 28 .6296 9.148 29 .6481 9.731 30 .6667 10.333 31 .6852 10.954 32 .7037 11.593 33 .722 12.250 34 .7407 12.926 35 .7593 13.620 36 .7778 14.333 37 .7963 15.065 38 .8148 15.815 39 .8333 16.583 40 .8519 17.370 41 .8704 18.176 42 .8889 17.370 41 .8704 18.176 42 .8889 17.370 41 .8704 18.176 42 .8889 17.370 41 .8704 18.176 42 .8889 17.370 41 .8704 18.176 42 .8889 19.000 43 .9074 19.843 44 .9259 20.704 45 .9444 21.583 46 .9630 22.481 47 .9815 23.398 48 1.0000 24.333 19 1.0185 25.287	.2407	1.176	. 2593	1.370	.2778	1.583	.2963	1.815	
8 .2593	.2593	1.361	.2778	1.565	. 2963	1.787	.3148	2.028	7
9 .2778			. 2963	1.778	.3148	2.009	.3333	2.259	
10 .2963 1.815 11 .3148 2.065 12 .3333 2.333 3.519 2.620 14 .3704 2.926 15 .3889 3.250 16 .4074 3.593 17 .4259 3.954 18 .4444 4.833 19 .4630 4.731 20 .4815 5.148 21 .5000 5.583 22 .5185 6.037 24 .5556 7.000 25 .5741 7.509 26 .5926 8.037 27 .6111 8.583 22 .5185 6.037 27 .6111 8.583 28 .6296 9.148 29 .6481 9.731 30 .6667 10.333 31 .6852 10.954 32 .7037 11.593 33 .7222 12.250 34 .7407 12.926 35 .7593 13.620 36 .7778 14.333 37.722 12.250 36 .7778 14.333 37.722 12.250 36 .7778 14.333 37.722 12.250 36 .7778 14.333 37.722 12.250 37.7963 15.065 38 .8148 15.815 39 .8333 16.583 40 .8519 17.370 41 .8704 18.176 42 .8889 91.000 43 .9074 19.843 44 .9259 20.704 45 .9444 21.583 46 .9630 22.481 47 .9815 23.398 48 1.0000 24.333 19 1.0185 25.287			.3148	2.009	.3333	2.250	.3519	2.509	
11 .3148 2.065 12 .3333 2.333 13 .3519 2.620 14 .3704 2.926 15 .3889 3.250 16 .4074 3.593 17 .4259 3.954 18 .4444 4.333 19 .4630 4.731 20 .4815 5.148 21 .5000 5.583 22 .5185 6.037 23 .5370 6.509 24 .5556 7.000 25 .5741 7.509 26 .5926 8.037 27 .6111 8.583 29 .6481 9.731 30 .6667 10.333 31 .6852 10.954 32 .7037 11.593 30 .6667 10.333 31 .6852 10.954 32 .7037 11.593 33 .7222 12.250 34 .7407 12.926 35 .7593 13.620 36 .7778 14.333 37 .7963 15.065 38 .848 15.815 39 .8333 16.583 40 .8519 17.370 41 .8704 18.176 42 .8889 17.370 41 .8704 18.176 42 .8889 19.000 43 .9074 19.843 44 .9259 20.704 45 .9444 21.583 46 .9630 22.481 47 .9815 23.398 48 1.0000 24.333 49 1.0185 25.287	Other State of the last of the			2.259	. 3519	2,509	.3704	2.778	-
12	III.	A CONTRACTOR	.3519	2.528	.3704	2.787	.3889	3.065	
13         .3519         2.620           14         .3704         2.926           15         .3889         3.250           16         .4074         3.593           17         .4259         3.954           18         .4444         4.333           19         .4630         4.731           20         .4815         5.148           21         .5000         5.583           22         .5185         6.037           23         .5370         6.509           24         .5556         7.000           25         .5741         7.509           26         .5926         8.037           27         .6111         8.583           28         .6296         9.148           29         .6481         9.731           30         .6667         10.333           31         .6852         10.954           32         .7037         11.593           33         .7222         12.250           34         .7407         12.926           35         .7593         13.620           37         .7963         15.065 <td></td> <td></td> <td>.3704</td> <td>2.815</td> <td>.3889</td> <td>3.083</td> <td>.4074</td> <td>3.376</td> <td></td>			.3704	2.815	.3889	3.083	.4074	3.376	
14         .3704         2.926           15         .3889         3.250           16         .4074         3.593           17         .4259         3.954           18         .4444         4.333           19         .4630         4.731           20         .4815         5.148           21         .5000         5.583           22         .5185         6.037           23         .5370         6.509           24         .5556         7.000           25         .5741         7.509           26         .5926         8.037           27         .6111         8.583           28         .6296         9.148           29         .6481         9.731           30         .6667         10.333           31         .6852         10.954           32         .7037         11.593           33         .7222         12.250           34         .7407         12.926           35         .7593         13.620           36         .7778         14.333           40         .8519         17.370 </td <td></td> <td></td> <td>.3889</td> <td>3.120</td> <td>.4074</td> <td>3.398</td> <td>.4259</td> <td>3.694</td> <td>10</td>			.3889	3.120	.4074	3.398	.4259	3.694	10
15 .3889 3.250 16 .4074 3.593 17 .4259 3.954 18 .4444 4.333 19 .4630 4.731 20 .4815 5.148 21 .5000 5.583 22 .5185 6.037 23 .5370 6.509 24 .5556 7.000 25 .5741 7.509 26 .5926 8.037 27 .6111 8.583 28 .6296 9.148 29 .6481 9.731 30 .6667 10.333 31 .6852 10.954 32 .7037 11.593 33 .7222 12.250 34 .7407 12.926 35 .7593 13.620 36 .7778 14.333 37 .7963 15.065 38 .848 15.815 39 .8333 16.583 40 .8519 17.370 41 .8704 18.176 42 .8889 17.370 41 .8704 18.176 42 .8889 19.000 43 .9074 19.843 44 .9259 20.704 45 .9444 21.583 46 .9630 22.481 47 .9815 23.398 48 1.0000 24.333 19 1.0185 25.287			.4074	3.444	.4259	3.731	.4444	4.037	
16 .4074 3.593 17 .4259 3.954 18 .4444 4.333 20 .4815 5.148 21 .5000 5.583 22 .5185 6.037 23 .5370 6.509 24 .5556 7.000 25 .5741 7.509 26 .5926 8.037 27 .6111 8.583 28 .6296 9.148 29 .6481 9.731 30 .6667 10 .333 31 .6852 10 .954 32 .7037 11.593 33 .7222 12.250 34 .7407 12.926 35 .7593 13.620 36 .7778 4.333 37 .7963 15.065 38 .848 15.815 39 .8333 16.583 40 .8519 17.370 41 .8704 18.176 42 .8889 19.000 43 .9074 19.843 44 .9259 20.704 45 .9444 21.583 46 .9630 22.481 47 .9815 23.398 48 1.0000 24.333 19 1.0185 25.287	100000000000000000000000000000000000000		.4259	3.787	.4444	4.083	.4630	4.398	
17		100000000000000000000000000000000000000	.4444	4.148	.4630	4.454	.4815	4.778	
18         .4444         4.833           19         .4630         4.731           20         .4815         5.148           21         .5000         5.583           22         .5185         6.037           23         .5370         6.509           24         .5556         7.000           25         .5741         7.509           26         .5926         8.037           27         .6111         8.583           28         .6296         9.148           29         .6481         9.731           30         .6667         10.333           31         .6852         10.954           32         .7037         11.593           33         .7222         12.250           34         .7407         12.926           35         .7593         13.620           37         .7963         15.065           38         8.148         15.815           39         .8333         16.583           40         .8519         17.370           41         .8704         18.176           42         .8889         19.000			.4630	4.528	.4815	4.843	.5000	5.176	
19 .4630 4.781 20 .4815 5.148 21 .5000 5.583 22 .5185 6.037 23 .5370 6.509 24 .5556 7.000 25 .5741 7.509 26 .5926 8.037 27 .6111 8.583 28 .6296 9.148 29 .6481 9.731 30 .6667 10.333 31 .6852 10.954 31 .6852 10.954 33 .7222 12.250 34 .7407 12.926 35 .7593 13.620 36 .7778 14.333 37 .722 12.250 38 .8148 15.815 39 .8333 16.583 40 .8519 17.370 41 .8704 18.176 42 .8889 19.000 43 .9074 19.843 44 .9259 20.704 45 .9444 21.583 46 .9630 22.481 47 .9815 23.398 48 1.0000 24.333 48 1.0185 25.287			.4815	4.926	,5000	5.250	.5185		
20 .4815 5.148 21 .5000 5.583 22 .5185 6.037 23 .5370 6.509 24 .5556 7.000 25 .5741 7.509 26 .5926 8.037 27 .6111 8.583 28 .6296 9.148 29 .6481 9.731 30 .6667 10.333 31 .6852 10.954 32 .7037 11.593 33 .7222 12.250 34 .7407 12.926 35 .7593 13.620 36 .7778 14.333 37 .7963 15.065 37 .7963 15.065 38 .8148 15.815 39 .8333 16.583 40 .8519 17.370 41 .8704 18.176 42 .8889 17.370 41 .8704 18.176 42 .8889 17.370 41 .8704 18.176 42 .8889 19.000 43 .9074 19.843 44 .9259 20.704 45 .9444 21.583 46 .9630 22.481 47 .9815 23.398 48 1.0000 24.333 49 1.0185 25.287			.5000	5.343	.5185	5.676	.5370	5.598	
21 .5000 5.583 22 .5185 6.037 23 .5370 6.509 24 .5556 7.000 25 .5741 7.509 26 .5926 8.037 27 .6111 8.583 28 .6296 9.148 29 .6481 9.731 31 .6852 10.954 32 .7037 11.593 33 .7222 12.250 34 .7407 12.926 35 .7593 13.620 36 .7778 14.333 37 .7963 15.065 38 .8148 15.815 39 .8333 16.583 40 .8519 17.370 41 .8704 18.176 42 .8889 19.000 43 .9074 19.843 44 .9259 20.704 44 .9259 20.704 45 .9444 21.583 46 .9630 24.481 47 .9815 23.398 48 1.0000 24.333 19 1.0185 25.287	The second second		.5185	5.778	.5370	6.120	.5556	6.028	
22 .5185 6.037 23 .5370 6.509 24 .5556 7.000 25 .5741 7.509 26 .5926 8.037 27 .6111 8.583 28 .6296 9.148 29 .6481 9.731 30 .6667 10.333 31 .6852 10.954 32 .7037 11.593 33 .7222 12.250 34 .7407 12.926 35 .7593 13.620 36 .7778 14.333 37 .7963 15.065 38 .8148 15.815 39 .8333 16.583 40 .8519 17.370 41 .8704 19.843 42 .8889 19.000 43 .9074 19.843 44 .9259 20.704 45 .9444 21.583 46 .9630 24.481 47 .9815 23.398 48 1.0000 24.333 19 1.0185 25.287	2	10000	1000	THE WAY	444	100 100 100 100 100 100 100 100 100 100	1 1 March 2011		
23 .5370 6.509 24 .5556 7.000 25 .5741 7.509 26 .5926 8.037 27 .6111 8.583 28 .6296 9.148 29 .6481 9.731 30 .6667 10.333 31 .6852 10.954 32 .7037 11.593 33 .7222 12.250 34 .7407 12.926 35 .7593 13.620 36 .7778 15.065 38 .8148 15.815 39 .8333 16.583 40 .8519 17.370 41 .8704 18.176 42 .8889 19.000 44 .9259 20.704 45 .9444 21.583 46 .9630 24.481 47 .9815 23.398 48 1.0000 24.333 49 1.0185 25.287			.5370	6,231	.5556	6.583	.5741	6.954	
24         .5556         7.000           25         .5741         7.509           26         .5926         8.037           27         .6111         8.583           28         .6296         9.148           29         .6481         9.731           30         .6667         10.333           31         .6852         10.954           32         .7037         11.593           33         .7222         12.250           34         .7407         12.926           35         .7593         13.620           36         .7778         14.333           37         .7963         15.065           38         8.148         15.815           39         .8333         16.583           40         .8519         17.370           41         .8704         18.176           42         .8889         19.000           43         .9074         19.843           44         .9259         20.704           45         .9444         21.583           46         .9630         22.481           47         .9815         23.398 </td <td></td> <td></td> <td>.5556</td> <td>6.704</td> <td>.5741</td> <td>7.065</td> <td>.5926</td> <td>7.444</td> <td></td>			.5556	6.704	.5741	7.065	.5926	7.444	
25 .5741 7.509 26 .5926 8.037 27 .6111 8.583 28 .6296 9.148 29 .6481 9.731 30 .6667 10.333 31 .6852 10.954 32 .7037 11.593 33 .7222 12.250 34 .7407 12.926 35 .7593 13.620 36 .7778 14.333 37.963 15.065 37 .7963 15.065 38 .8148 15.815 39 .8333 16.583 40 .8519 17.370 41 .8704 18.176 42 .8889 17.370 41 .8704 18.176 42 .8889 19.000 43 .9074 19.843 44 .9259 20.704 45 .9444 21.583 46 .9630 22.481 47 .9815 23.398 48 1.0000 24.333 19 1.0185 25.287			.5741	7.194	.5926	7.565	.6111	7.954	
26 .5926 8.037 27 .6111 8.583 28 .6296 9.148 29 .6481 9.731 30 .6667 10.333 31 .6852 10.954 32 .7037 11.593 33 .7222 12.250 34 .7407 12.926 35 .7593 13.620 36 .7778 14.333 37 .7963 15.065 38 .8148 15.815 39 .8333 16.583 40 .8519 17.370 41 .8704 18.176 42 .8889 19.000 43 .9074 19.843 44 .9259 20.704 45 .9444 21.583 46 .9630 24.481 47 .9815 23.398 48 1.0000 24.333 19 1.0185 25.287			.5926	7.704	.6111	8.083	.6296	8.481	
27	1	1000000	.6111	8,231	. 6296	8.620	.6481	9.028	
28				8.778	. 6481	9.176	.6667	9.598	
28			. 6481	9.343	.6667	9.750	. 6852	10.176	27
29 .6481 9.731 30 .6667 10.333 31 .6852 10.954 32 .7037 11.593 33 .7222 12.250 34 .7407 12.926 35 .7593 13.620 36 .7778 15.065 38 .8148 15.815 39 .8333 16.583 40 .8519 17.370 41 .8704 18.176 42 .8889 19.000 43 .9074 19.843 44 .9259 20.704 45 .9444 21.583 46 .9630 22.481 47 .9815 23.398 48 1.0000 24.333 49 1.0185 25.287	. 6481	9.528	.6667	9.926	. 6852	10.343	.7037	10.778	
31 .6852 10.954 32 .7037 11.593 33 .7222 12.250 34 .7407 12.926 35 .7593 13.620 36 .7778 14.333 37 .7963 15.065 38 .8148 15.815 39 .8333 16.583 40 .8519 17.870 41 .8704 18.176 42 .8889 19.000 43 .9074 19.843 44 .9259 20.704 45 .9444 21.583 46 .9630 24.481 47 .9815 23.398 48 1.0000 24.333 19 1.0185 25.287	.6667	10.120	. 6852	10.528	.7037	10.954	.7222	11.398	29
32 .7037 11.593 33 .7222 12.250 34 .7407 12.926 35 .7593 13.620 36 .7778 14.333 37 .7963 15.065 38 .8148 15.815 39 .8333 16.583 40 .8519 17.370 41 .8704 18.176 42 .8889 19.000 43 .9074 19.843 44 .9259 20.704 45 .9444 21.583 46 .9630 22.481 47 .9815 23.398 48 1.0000 24.333 19 1.0185 25.287	. 6852	10.732	.7037	11.148	.7222	11,583	.7407	12.037	30
32 .7037 11.593 33 .7222 12.250 34 .7407 12.926 35 .7593 13.620 36 .7778 14.333 37 .7963 15.065 38 .8148 15.815 39 .8333 16.583 40 .8519 17.370 41 .8704 18.176 42 .8889 19.000 43 .9074 19.843 44 .9259 20.704 45 .9444 21.583 46 .9630 22.481 47 .9815 23.398 48 1.0000 24.333 19 1.0185 25.287	.7037	11.361	.7222	11.787	.7407	12,231	.7593	12.694	31
38	.7222	12.009	.7407	12.444	.7593	12.898	.7778	13.370	32
34         .7407         12.926           35         .7593         13.620           36         .7778         14.333           37         .7963         15.065           38         .8148         15.815           39         .8333         16.583           40         .8519         17.370           41         .8704         18.176           42         .8889         19.000           43         .9074         19.843           44         .9259         20.704           45         .9444         21.583           46         .9630         22.481           47         .9815         23.398           481,0000         24.333         191,0185         25.287			.7593	13.120	.7778	13,583	.7963	14.065	33
35 .7593 13.620 36 .7778 14.333 37 .7963 15.065 38 .8148 15.815 340 .8519 17.370 41 .8704 18.176 42 .8889 19.000 43 .9074 19.843 44 .9259 20.704 45 .9444 21.583 46 .9630 22.481 47 .9815 23.398 48 1.0000 24.333 19 1.0185 25.287		13.361	.7778	13.815	.7963	14.287	.8148	14.778	
36     .7778     14.333       37     .7963     15.065       38     .8148     15.815       39     .8333     16.583       40     .8519     17.370       41     .8704     18.176       42     .8889     19.000       43     .9074     19.843       44     .9259     20.704       45     .9444     21.583       46     .9630     22.481       47     .9815     23.398       48     1.0000     24.333       49     1.0185     25.287		14.065	.7963	14.528	.8148	15.009	.8333	15.509	
87 .7963 15.065 88 .8148 15.815 89 .8333 16.583 40 .8519 17.870 41 .8704 18.176 42 .8889 19.000 43 .9074 19.843 44 .9259 20.704 45 .9444 21.583 46 .9630 22.481 47 .9815 23.398 48 1.0000 24.333 19 1.0185 25.287	M ( ) ( ) ( ) ( ) ( )	14.787	.8148	15.259	.8333	15.750	.8519	16.259	36
38 .8148 15.815 39 .8333 16.583 40 .8519 17.870 41 .8704 18.176 42 .8889 19.000 43 .9074 19.843 44 .9259 20.704 45 .9444 21.583 46 .9630 22.481 47 .9815 23.398 48 1.0000 24.333 19 1.0185 25.287			.8333	16.009	.8519	16,509	.8704	17.028	
39			.8519	16.778	.8704	17.287	.8889	17.815	
40 .8519 17.370 41 .8704 18.176 42 .8889 19.000 43 .9074 19.843 44 .9259 20.704 45 .9444 21.583 46 .9630 22.481 47 .9815 23.398 48 1.0000 24.333 19 1.0185 25.287	Comment of the		.8704	17.565	.8889	18.083	.9074	18.620	
41 .8704 18.176 42 .8889 19.000 43 .9074 19.843 44 .9259 20.704 45 .9444 21.583 46 .9630 22.481 47 .9815 23.398 48 1.0000 24.333 49 1.0185 25.287	All was a se		.8889	18.370	.9074	18.898	.9259	19.444	
42 .8889 19.000 43 .9074 19.843 44 .9259 20.704 45 .9444 21.583 46 .9630 22.481 47 .9815 23.398 48 1.0000 24.333 49 1.0185 25.287	The state of	The Control of the Control of	.9074	19.194	.9259	19.731	.9444	20.287	
43 .9074 19.843 44 .9259 20.704 45 .9444 21.583 46 .9630 22.481 47 .9815 23.398 481.0000 24.333 191.0185 25.287			.9259	20.037	.9444	20.583	.9630	21,148	
44 .9259 20.704 45 .9444 21.583 46 .9630 22.481 47 .9815 23.398 48 1.0000 24.333 49 1.0185 25.287	1 2 2 2 2 3		.9444	20.898	.9630	21.454	.9815	22.028	
45 .9444 21.583 46 .9630 22.481 47 .9815 23.398 48 1.0000 24.333 49 1.0185 25.287	the second of		.9630	21.778	.9815		1.0000		
46 .9630 22.481 47 .9815 23.398 48 1.0000 24.333 49 1.0185 25.287			.9815		1.0000	23.250	1.0185	22.926 23.843	
47 .9815 23.398 481.0000 24.333 491.0185 25.287		100000	1 1000000000000000000000000000000000000	(Text 145.5)	3505 VA		Contract of the contract of th		
48 1,0000 24,333 19 1,0185 25,287			1.0000	23.593			1 0370	24.778	
19 1.0185 25.287			1.0185		1.0370	25.120		25.731	
			1.0370		1.0556	26.083		26.704	
201.0370 26.259			1.0556	26.454			1.0926	27.694	
	1.0556	26.843	1.0741	27.444	1.0926	28.065	1.1111	28,704	20
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Feet,	Mult.	Add.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Mult.	Add	Feet.
0	.2037	1.120	.2222	1.333	.2407	1.565	.2593	1.815	.2778	2.083	-
1	. 2222	1.231	.2407	1.454	.2593	1.694	.2778	1.954	. 2963	2.231	18
2	.2407	1.361	.2593	1.593	.2778	1.843	.2963	2.111	.3148	2.398	1
3	. 2593	1.509	.2778	1.750	.2963	2.009	.3148	2.287	.3333	2.583	
4	.2778	1.676	. 2963	1.926	.3148	2.194	. 3333	2.481	.3519	2.787	1
5	. 2963	1.861	.3148	2.120	. 3333	2.398	.3519	2.694	.3704	3.009	
6	.3148	2.065	.3333	2.333	.3519	2.620	.3704	2.926	.3889	3.250	1
7	. 3333	2.287	.3519	2.565	.3704	2.861	.3889	3.176	.4074	3.509	
8	. 3519	2.528	.3704	2.815	.3889	3,120	.4074	3.444	,4259	3.787	
9	.3704	2.787	.3889	3.083	.4074	3.398	.4259	3.781	.4444	4.083	
0	.3889	3.065	.4074	3.370	.4259	3.694	.4444	4.037	.4630	4.398	
1	.4074	3.361	.4259	3.676	.4444	4.009	.4630	4.361	.4815	4.731	
2	.4259	3.676	.4444	4.000	.4630	4.343	.4815	4.704	.5000	5.088	1
3	.4444	4.009	.4630	4.343	.4815	4.694	.5000	5.065	.5185	5.454	
4	.4630	4.361	.4815	4.704	.5000	5.065	.5185	5.444	.5370	5.843	1
5	.4815	4.731	.5000	5.083	.5185	5.454	.5370	5.843	.5556	6.250	1
24		1 (0.00)	2.2 (2.50)		1000		6 00 J	12.000			
6	.5000	5.120	.5185	5.481	.5870	5.861	.5556	6.259	.5741	6.676	
7	.5185	5.528	.5370	5,898	.5556	6.287	.5741	6.694	.5926	7.120	1
8	.5370	5.954	.5556	6.833	.5741	6.731	.5926	7.148	.6111	7.583	
9	.5556	6.398	.5741	6.787	.5926	7.194	.6111	7.620	.6296	8.065	
0	.5741	6.861	.5926	7.259	.6111	7.676	. 6296	8.111	.6481	8.565	2
1	.5926	7.343	.6111	7.750	. 6296	8.176	.6481	8.620	.6667	9.083	2
2	.6111	7.843	. 6296	8.259	. 6481	8.694	.6667	9.148	.6852	9.620	12
3	.6296	8.361	.6481	8.787	.6667	9.231	. 6852	9.694	.7037	10.176	2
4	.6481	8.898	.6667	9.333	. 6852	9.787	.7037	10.259	.7221	10.750	
5	.6667	9.454	. 6852	9.898	.7037	10.361	.7222	10.843	.7407	11.343	
6	. 6852	10.028	.7037	10.481	.7222	10.954	.7407	11.444	.7593	11.954	1-
7	.7037	10.620	.7222	11.083	.7407	11.565	.7593	12.065	.7778	12.583	
8	.7222	11.231	.7407	11.704	.7598	12.194	.7778	12.704	. 7963	13, 231	9
9	.7407	11.861	.7593	12.343	.7778	12,843	.7963	13.361	.8148	13.898	
0	.7593	12,509	.7778	13.000	.7963	13.509	.8148	14.037	.8333	14.583	
1	.7778	0.000	.7963	13.676	.8148	West, and	.8333	West of the second	25.400		1
2	.7963	13,176 13,861	.8148	14.370	.8333	14.194 14.898	.8519	14.731 15.444	.8519	15.287	
3	.8148	14.565	.8333	15.083	.8519	15.620	.8704	16.176	.8704	16.009	
4	.8333	15.287	.8519	15.815	.8704	16.361	.8889	16.926	.8889	16.750	
5	.8519	16.028	.8704	16.565	.8889	17.120	.9074	17.694		17.509	
94		400000000000000000000000000000000000000	10.00		10000000				.9259	18.287	1
6	.8704	16.787	.8889	17.883	.9074	17,898	.9259	18.481	.9444	19,083	
7	.8889	17.565	.9074	18.120	.9259	18.694	.9444	19.287	.9630	19.898	
	.9074	18,361	.9259	18.926	.9444	19.509		20.111	.9815	20.731	
9	, 9259	19.176	.9444	19.750	.9630	20.343			1.0000	21,583	
0	.9444	20.009	.9630	20.593	.9815	21.194	1.0000	21.815	1.0185	22,453	4
ı	.9630	20,861	.9815		1.0000		1.0185	22.694	1.0370	23.343	
2	.9815	21.731	1.0000	22.333	1.0185		1.0370	23.593	1.0556	24.250	4
3	1.0000	22.620			1.0370		1.0556	24.509		25.176	
4	1.0185	23.528		24.148	1.0556		1.0741	25.444	1.0926	26.120	4
0	1.0370	24.454	1.0556	25.083	1.0741	25.731	1.0926	26.398	1.1111	27.083	4
6	1.0556	25.398	1.0741	26.037	1.0926	The second of the second	1.1111	27.370	1.1296	28.065	1
	1.0741	26.361		27.009			1.1296	28.361	1.1481	29.065	
	1.0926	27.343			1.1296		1.1481	29.370		30.083	
9	1.1111	28.343		29.009			1.1667	30.298		31,120	
	1.1296	29.361			1.1667		1.1852		1.2047	32.176	
	2.32.0			500.40	5,000	771.5		0.710	-,202,		1
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	1	6	. 1	7	1	8	1	9	2	0	
Feet.	Mult.	Add.	Mult.	Add.	Mult,	Add.	Mult.	Add.	Mult.	Add.	Feet.
0	. 2963	2.370	.3148	2.676	. 3333	3.000	.3519	3.343	.3704	3.704	0
1	.3148	2.528	. 8333	2.843	, 3519	3.176	.3704	3.528	.3889	3.898	1
2	. 3333	2.704	. 3519	3.028	. 3704	3.370	.3889	3.731	.4074	4.111	2
3	. 3519	2.898	.3704	3.231	.3889	3.583	.4874	3.954	. 4259	4.343	
4	. 3704	3.111	.3889	3.454	.4074	3.815	. 4259	4.194	.4444	4.593	
5	. 3889	3.343	.4074	3.694	.4259	4.065	.4444	4.454	.4630	4.861	
6	.4074	3.593	.4259	3.954	.4444	4.333	.4630	4.731	.4815	5.148	6
7	. 4259	3.861	.4444	4.232	.4630	4.620	.4815	5.028	.5000	5.454	
8	.4444	4.148	.4630	4.528	. 4815	4.926	.5000	5.343	.5185	5.778	
9	.4630	4.454	.4815	4.843	.5000	5.250	.5185	5.676	.5870	6.120	
10	.4815	4.778	.5000	5.176	.5185	5.593	.5370	6.028	.5556	6.481	
	.5000	5.120	.5185	5,528	.5370	5.954	. 5556	6.398	.5741	6.861	100
11	.5185	5.481	.5370	5.898	.5556	6.333	.5741	6.787			
12	.5370	5.861	.5556	6.287	.5741	6.731	.5926	7.194	.5926	7.259 7.676	
13	.5556	6.259	.5741	6.694	.5926	7.148	.6111	7.620	.6296		
$\frac{14}{15}$	.5741	6.676	.5926	7.120	.6111	7.583	.6296	8.065	.6481	8.111 8.565	
	0.000		10000	All District Con-	1000	1000	-14.79/9	10 000	1000000		
16	,5926	7,111	.6111	7.565	. 6296	8.037	.6481	8.528	. 6667	9.037	
17	.6111	7.565	. 6296	8.028	. 6481	8.509	.6667	9.009	. 6852	9.528	
18	.6296	8.037	.6481	8.509	.6667	9,000	. 6852	9.509	.7037	10.037	
19	. 6481	8.528	.6667	9.009	. 6852	9.509	.7037	10.028	.7222	10.565	
20	. 6667	9.037	.6852	9.528	.7037	10.037	.7222	10.565	.7407	11.111	20
21	.6852	9.565	.7037	10.065	.7222	10.583	.7407	11,120	.7593	11.676	21
22	.7027	10.111	.7222	10,620	.7407	11.148	.7593	11.694	.7778	12.259	
23	.7222	10.676	.7407	11.194	.7593	11.731	.7778	12.287	.7963	12.861	23
24	.7407	11.259	.7598	11.787	.7778	12.333	.7963	12.898	.8148	13.481	24
25	.7593	11.861	.7778	12.398	.7963	12.954	.8148	13.528	.8333	14.120	25
26	.7778	12.481	. 7963	13.028	.8148	13.593	.8333	14.176	.8519	14,778	
27	.7963	13.120	.8148	13.676	.8333	14.250	.8519	14.843	.8704	15.454	
28	.8148	13.778	.8333	14.343	.8519	14.926	.8704	15.528	.8889	16, 148	
29	.8333	14.454	.8519	15.028	.8704	15.620	.8889	16, 231	.9074	16.861	
30	.8519	15,148	.8704	15.732	.8889	16.333	.9074	16.954	.9259	17.593	
	100000000000000000000000000000000000000		.8889	16.454	.9074	17.065	.9259	17.694			
31	.8704	15.861			.9259	17.815			.9444	18.343	
32	. 8889	16.593	.9074	17.194 $17.954$	.9444	18.583	.9444	18,454 19,231	.9630	19.111	
33	.9074	17.343		18.731	.9630	19.370		20,028	.9815	19.898	
34	.9259	18.111	.9444	19.528	.9815		1.0000	20.843	1.0000	20.704	
35	.9444	18,898		15/12/10/10	10 to 100	A COST OF STREET	970253.70		1.0185	21.528	
36	.9630	19.704	.9815	20.343	1.0000	21.000	1.0185	21.676	1.0370	22.370	
37	.9815	20,528	1.0000	21.176	1.0185		1.0370	22.528	1.0556	23.231	
	1.0000	21,370	1.0185	22.028	1.0378		1.0556		1.0741	24.111	
	1.0185	22,231	1.0370	22.898		23.583		24.287	1.0926	25.009	
40	1.0370	23,111	1.0556	23.787	1.0741	100000000000000000000000000000000000000	1.0926	25.194	1.1111	25.926	40
41	1.0556	24.009	1.0741	24.694	1.0926	25.398	1.1111	26.120	1.1296	26,861	41
42	1.0741	24.926	1.0926	25.620		26.333	1.1296	27.065	1.1481	27.815	42
	1.0926	25.861	1.1111	26.565		27.287	1.1481	28.028	1.1667	28.787	
	1.1111	26.815	1.1296	27.528			1.1667		1.1852	29.778	
45	1.1296	27.787	1.1481	28,509	1.1667	29.250	1.1852	30.009	1.2047	30.787	
46	1.1481	28,778	1.1667	29,509	1.1852	30.259	1,2047	31.028	1.2222	31,815	46
	1.1667	29.787	1.1852	30.528		31.287	1.2222	32.065		32.861	
	1.1852	30.815	1.2047		1.2222	32.333	1.2407		1.2593	33.926	
	1.2047	31.861	1.2222	32,620			1.2593	34.194		35.000	
	1.2222	32,926	1.2407		1.2593		1.2778		1.2963	36.111	
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0 1 2	Mult.		-								
1		· Add.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Feet.
1	. 3889	4.083	.4074	4.481	.4259	4.898	.4444	5.333	.4630	5.787	-
	.4074	4.287	.4259	4.694	.4444	5.120	.4630	5.565	.4815	6,028	
	. 4259	4.509	.4444	4,926	.4630	5.361	.4815	5.815	.5000	6,287	
3	.4444	4.750	.4630	5.176	.4815	5.620	.5000	6.083	. 5185	6.565	1
4	.4630	5.009	.4815	5.444	.5000	5.898	.5185	6.370	.5370	6.861	1
5	.4815	5.287	.5000	5.731	.5185	6.194	.5370	6.676	.5556	7.176	
6	.5000	5.583	.5185	6.037	.5370	6.509	.5556	7.000	,5741	7,509	
7	.5185	5.898	.5370	6.361	.5556	6.843	.5741	7.343	.5926	7.861	
8	.5370	6.231	.5556	6.704	.5741	7,194	.5926	7.704	.6111	8.231	
9	.5556	6.583	.5741	7.065	.5926	7.565	.6111	8.083	.6296	8.620	
10	.5741	6.954	.5926	7.444	.6111	7.954	.6296	8,481	. 6481	9.028	
11	.5926	7.343	.6111	7.843	.6296	8.361	.6481	8.898	.6667	9.454	
12	.6111	7.750	.6296	8.259	.6481	8.787	.6667	9.333	. 6852	9.898	
13	. 6296	8.176	.6481	8.694	.6667	9.231	.6852	9.787	.7037	10.361	
14	. 6481	8.620	.6667	9.148	. 6852	9.694	.7037	10.259	.7222	10.843	
15	. 6667	9.083	.6852	9.620	.7037	10.176	.7222	10.750	.7407	11.343	
16	. 6852	9.565	.7037	10,111	.7222	10.676	.7407	11.259	.7593	11.861	
17	.7037	10.065	.7222	10.620	.7407	11.194	.7593	11.787	.7778	12.398	
18	.7222	10.583	.7407	11.148	.7593	11.731	.7778	12.333	.7963	12.954	
19	.7407	11.120	.7593	11.694	.7778	12.287	.7963	12.898	.8148	13.528	
20	.7593	11.676	.7778	12.259	.7963	12.861	.8148	13,481	.8333	14.120	
21	.7778	12.250	.7963	12.843	.8148	13,454	.8333	14.083	.8519	14.731	
22	.7963	12.843	.8148	13.444	.8333	14.065		14.704	.8704	15.361	
23	.8148	13.454	.8333	14.065	.8519	14.694	.8704	15.343	.8889	16.009	
24	.8333	14.083	.8519	14.704	.8704	15.343	.8889	16,000	.9074	16.676	
25	.8519	14.731	.8704	15.361	.8889	16.009	.9074	16,676	.9259	17.361	
26	.8704	15.398	.8889	16.037	.9074	16.694	.9259	17.370	.9444	18.065	
27	.8889	16.083	.9074	16.731	. 9259	17.398		18.083	.9630	18.787	
28	.9074	16.787	.9259	17.444	.9444	18.120		18.815	.9815	19.528	
29	.9259	17.509	.9444	18,176	.9630	18.861	.9815	19.565	1.0000	20.287	
30	.9444	18.250	.9630	18.926	.9815		1.0000	0.000	1.0185	21.065	
31	.9630	19.009	.9815	19.694	1.0000	20.398			1.0370	21.861	
32	.9815	19.787	1.0000	20.481		21.194		21.926		22.676	
33	1.0000	20.583	1.0185	21.287			1.0556	22.750		23.509	
	1.0185	21.398		22.111		22.843		23.593	100000	24.361	
35	1.0370	22.231	1.0556	22.954	1.0741	23.694	100000		1.1111	25.231	
36	1.0556	23.083	1.0741	23.815	1.0926	24.565	1,1111	2.50022	1.1296	26.120	
37	1.0741	23.954	1.0326	24.694	1.1111	25.454		26.231		27.028	
38	1.0926	24.843	1.1111	25.593	1.1296	26.361	1.1481	27.148		27.954	
	1.1111	25.750	1.1296	26.509		27.287			1.1852	28.898	
10	1.1296	26.676	1.1481	27.444	1.1667	28, 231	1.1852	29,037	1.2047	29.861	
11	1.1481	27.620	1.1667	28.398		29.194			1.2222	30.843	
	1.1667	28,583		29.370			1.2222	31.000		31,843	
	1.1852	29.565		30.361	1.2222	31.176		32,009		32.861	
	1.2047	80.565		31.370	1.2407		1.2593		1.2778	33,898	
15	1.2222	31,583	1.2407	32.398	1.2593	33.231	1.2778	34.083	1.2963	34,954	1
16	1.2407	32.620	1.2593	33.444	1.2778		1.2963	35.148	1.3148	36,028	
	1.2593	33.676		34.509			1.3148	36.231	1.3333	37.120	
	1.2778	84.750		35.593			1,3333	37,333	1.3519	38.231	1
	1.2963	35.843	1.3148	36.694		37.565		38.454	1.3704	39.361	
0	1.3148	36.954	1.3333	37.815	1.3519	38.694	1.3704	39,593	1.3889	40.509	5
-		21	2	-	2			4		5	-

TABLE XLVIII.—BASE 1.—SLOPES # to 1.

1	2	6	2	7	2	8	2	9	3	0	
Foet.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Post.
0	.4815	6.259	.5000	6.750	.5185	7.259	.5370	7.787	.5556	8.333	
1	.5000	6.509	.5185	7.009	.5370	7.528	.5556	8.065	.5741	8.620	
2	.5185	6.778	.5370	7.287	. 5556	7.815	.5741	8.361	.5926	8.926	
3	.5370	7.065	.5556	7.583	.5741	8.120	.5926	8.676	.6111	9.250	
4	.5556	7.870	5000	7.898		8,444	.6111	9.009	.6296	9.593	
5	.5741	7.694	.5926	8,231	.6111	8.787	100000	9.361	. 6481	9.954	1 -
6	.5926	8.037	.6111	8.583	.6296	9.148	.6481	9.731	.6667	10.333	
7	. 6111	8.398	.6296	8.954	.6481	9.528	.6667	10.120	.6852	10.732	
8	. 6296 . 6481	8.778 9.176	.6481	9.343	.6852	9,926 10,343	.6852	10.528 10.954	.7037 .7222	11.148	
10	.6667	9.593	.6852	10.176	.7037	10.778	.7222	11.398	.7407	12.037	
- 1	25, 12, 1, 20	3572.33	27 14 194 7 1	Section 1		2-745 ASM	100000		Tanada E		1
11	. 6852	10.028	.7037	10.620	.7222	11.231	.7407	11.861	.7593	12.509	
12	.7037	10.481 $10.954$	.7222	11.083 11.565	.7407	11.704 $12.194$	.7593	12.343 $12.843$	.7778	13.000 13.509	
13 14	.7407	11.444	.7593	12.065	.7778	12.704	.7963	13.361	.8148	14.037	
15	.7593	11.954	.7778	12.583		13.231	.8148	13.898	.8333	14.583	
- 1		12.481	.7963		100	13.778	F 60.00	1775 22.5	200000		
16	.7778 .7963	13.028	.8148	13.120 13.676	.8333	14.343	.8519	14.454 15.028	.8519 .8704	15.148 15.732	
17		13.593	.8333	14.250	.8519	14.926	.8704	15.620	.8889	16.333	
19	.8333	14.176	.8519	14.843	.8704	15.528	.8889	16.231	.9074	16.954	
20	.8519	14.778	.8704	15.454	.8889	16.148	.9074	16.861	.9259	17.593	
21	.8704	15.398	.8889	16.083	.9074	16.787	200	17.509	.9444	18.250	1
22	.8889	16.037	.9074	16.731	.9259	17.444		18.176	.9630	18.926	
23	.9074	16.694	.9259	17.398	.9444	18, 120	.9630	18.861	.9815	19.620	
24	.9259	17.370	.9444	18.083	.9630	18.815	.9815		1.0000	20.333	2
25	.9444	18.065	.9630	18.787			1.0000		1.0185	21.065	
26	1000	18.778	.9815	1000	1.0000	1990.000	1.0185	F 30 0 0 0 0 1	1.0370	21.815	
27	.9815	19.509	1.0000		1.0185		1.0370	21.787	1.0556	22.583	
	1.0000	20.259			1.0370		1.0556	22.565		23.370	
	1.0185		1.0370		1.0556	22.565			1.0926	24.176	
30	1.0370	21.815	1.0556	22.583	1.0741	23.370	1.0926	24.176	1.1111	25.000	
31	1.0556	22,620	1.0741	23.398	1.0926	24.194	1.1111	25.009	1.1296	25.848	31
	1.0741		1.0926	24,231			1.1296	25.861		26.704	
33	1.0926	24.287	1.1111	25.083	1.1296	25.898	1.1481	26.731	1.1667	27.588	33
34	1.1111	25.148	1.1296	25.954	1.1481	26.778	1.1667	27.620	1.1852	28.481	34
35	1.1296	26,028	1.1481	26.843	1.1667	27.676	1.1852	28.528	1.2047	29.398	3
36	1.1481	26.926	1.1667	27.750	1.1852	28.593	1.2047	29.454	1.2222	30.333	36
37	1.1667	27.843	1.1852	28.675	1.2047	29.528	1.2222	30.398	1.2407	31.287	37
	1.1852	28.778		29.620	1.2222	30.481	1.2407	31.361	1.2593	32.259	
	1.2047	29.731			1.2407		1.2593		1.2778	33.250	
40	1.2222	30.704	1.2407	31.565	1.2598	32.444	1.2778	33.343	1.2963	34.259	4(
11	1.2407	31.694	1.2593	32.565	1.2778	33.454	1.2963	34.361	1.3148	35.287	4
	1.2593		1.2778		1.2963		1.3148		1.3333	36.333	
	1.2778	33.731			1.3148		1.3333	36.454		37.398	
	1.2963		1.3148		1.3333		1,3519		1.3704	38.481	
- I	1.3148	35.843	E-7-260-11	10000	1.3519	1000 CO. 60	1.3704	277.00	1.3889	39.583	
	1.3333	36.926			1.3704	38.778		39.731		40.704	
	1.8519	38.028			1.3889	39.898		40.861		41.843	
	1.3704	39.148			1.4074	41.037		42.009		43.000	
	1.3889	40.287			1.4259	42.194		43.176		44.176	
00	1.4074	41.444	1.4259	42.398	1.4444	43.370	1.4630	44.361	1.4815	45.370	50
	9	6	9	7	2	8	2	0	3	0	

· 250 SECOND SERIES.

	3	1	3	2	3	3	3	4	3	5	
Peet.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Peet.
0	.5741	8.898	.5926	9.481	.6111	10.083	. 6296	10.704	.6481	11.343	
1	.5926	9.194	.6111	9.787	. 6296	10.398	. 6481	11.028	.6667	11.676	
2	.6111	9.509	.6296	10,111	. 6481	10,731	.6667	11.370	.6852	12.028	11.0
3	. 6296	9.843	.6481	10.454	.6667	11.083	.6852	11.731	.7037	12.398	
4	. 6481	10.194	.6667	10.815	.6852	11.454	.7037	12,111	.7222	12.787	40.0
5	. 6667	10.565	. 6852	11.194	.7037	11.843	.7222	12.509	.7407	13.194	10.0
6	. 6852	10.954	.7037	11.593	.7222	12.250	.7407	12.926	.7593	13.620	
7	.7037	11.361	.7222	12.009	.7407	12.676	.7593	13.361	.7778	14,065	
8	.7222	11.787	.7407	12.444	.7593	13.120	.7778	13.815	.7963	14.528	
9	.7407	12.231	.7593	12.898	.7778	13.583	.7963	14.287	.8148	15.009	
10	.7593	12.694	.7778	13.370	.7963	14.065	.8148	14.778	.8333	15.509	1
11	.7778	13.176	.7963	13.861	.8148	14.565	.8333	15,287	.8519	16.028	
12	.7963	13.676	.8148	14.370	.8333	15.083	.8519	15.815	.8704	16.565	
13	.8148	14.194	.8333	14.898	.8519	15.620	.8704	16.361	.8889	17.120	
14	. 8333	14.731	.8519	15.444	.8704	16.176	.8889	16.926	.9074	17.694	
15	. 8519	15.287	.8704	16.009	.8889	16.750	.9074	17.509	.9259	18.287	14
16	.8704	15.861	.8889	16.593	.9074	17.343	.9259	18,111	.9444	18.898	10
17	.8889	16.454	.9074	17.194	.9259	17.954	.9444	18.731	.9630	19.528	
18	.9074	17.065	.9259	17.815	.9444	18.583	.9630	19,370	. 9815	20.176	
19	.9259	17.694	.9444	18.454	.9630	19.231	.9815		1.0000	20.848	
20	.9444	18.343	.9630	19.111	.9815	19.898	1.0000	20.704	1.0185	21.528	2
21	.9630	19.009	.9815	19.787	1.0000	20.583	1.0185	21.398	1.0370	22.231	2
22	. 9815	19.694	1.0000	20.481	1.0185	21.287	1.0370	22.111	1.0556	22.954	2
23	1.0000	20.398	1.0185	21.194	1.0370	22.009	1.0556	22.843	1.0741	23.694	2
	1.0185	21.120	1.0370	21.926	1.0556	22.750	1.0741	23.593	1.0926	24.454	24
25	1.0370	21.861	1.0556	22.676	1.0741	23.509	1.0926	24.361	1.1111	25.231	2
26	1.0556	22.620	1.0741	23.444	1.0926	24.287	1.1111	25.148	1.1296	26.028	20
	1.0741		1.0926	24, 231	1.1111	25.083	1.1296	25.954	1.1481	26.843	2
	1.0926	24, 194		25.037	1.1296	25.898			1.1667	27.676	
	1.1111	25,009	1.1296	25.861	1.1481	26.731	1.1667	27.620	1.1852	28.528	29
30	1.1296	25,843	1.1481	26.704	1.1667	27.583	1.1852	28.481	1,2047	29.398	3
21	1.1481	26,694	1.1667	27.565	1.1852	28, 454	1.2047	29.361	1.2222	30.287	3
	1.1667	27.565		28.444			1,2222		1.2407	31.194	
	1.1852	28.454			1.2222	30.250			1.2593	32.120	
	1.2047	29.361		30.259	1.2407		1.2593		1.2778	33.065	
	1.2222	30.287	1.2407		1.2593	32.120	1.2778	33.065	1.2963	34.028	3
26	1.2407	31.231	1.2598	39 148	1.2778	33 083	1.2963	84 087	1.3148	35,009	131
	1.2593	32.194			1.2963		1.3148		1.3333	36.009	
	1.2778	33.176			1.3148		1.3333		1.3519	37.028	
	1.2963		1.3148		1.3333		1.3519		1.3704	38.065	
	1.3148	35.194			1.3519		1.3704		1.3889	39.120	
- 1	1.3333	86.231		37.194	The Court of	38.176	7.00	39.176	6 1 1 1 1 1	40.194	
	1.3519	37.287			1.3889	39.250		40.259		41.287	
	1.3704	38.361		2 2 0 2 12 12 12 12 12 12 12 12 12 12 12 12 1	1.4074	40.343			1.4444	42.398	
	1.3889	39.454		40.444		41.454		42.481		43.528	
	1.4074	40.565		41.565		42.583		43.620		44.676	
334	1.4259	TAN 200 P. O.	1.4444	42.704	110000	43.731	F	44.778		45.843	100
	1.4444	42.843		43.861		44.898		45.954	0.00	47.028	
	1.4630	44.009		45.037		46.083		47.148		48, 231	
	1.4815	45.194		46.231		47.287			1.5556	49.454	
	1.5000	46.398			1.5370	48.509		49.593		50.694	
_			100	*****		20.000		20.000			-
	2	1	3	2	2	33	2	4	3	5	1

	3	6	3	7	3	8	3	9	4	0	
Feet	Mult.	Add.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Feet.
0	. 6667	12.000	. 6852	12,676	.7037	13.370	.7222	14.083	.7407	14.815	-
1	. 6852	12.343	.7037	13,028	.7222	13.731	.7407	14.454	.7593	15.194	
2	. 7037	12,704	.7222	13.398	.7407	14.111	.7593	14.843	.7778	15.593	2
3	.7222	13.083	.7407	13.787	.7593	14.509	.7778	15.250	.7963	16.009	1
4	.7407	13.481		14.194	.7778	14.926	. 7963	15.676	.8148	16,444	4
5	.7593	13,898	.7778	14.620	. 7963	15.361	.8148	16.120	.8333	16.898	1
6	.7778	14,883	.7963	15.065	.8148	15.815	. 8333	16.583	.8519	17.370	1
7	.7963	14.787	.8148	15.528	.8333	16.287	. 8519	17.065	.8704	17.861	
8	.8148	15, 259	.8333	16.009	.8519	16.778	.8704	17.565	.8889	18.370	
9	.8333	15.750	.8519	16.509	.8704	17.287	.8889	18.083	.9074	18.898	
10	.8519	16, 259	.8704	17.028	.8889	17.815	.9074	18.620	.9259	19.444	
11	.8704	16.787	.8889	17.565	.9074	18.361	.9259	19.176	.9444	20.009	
12	. 8889	17.333	.9074	18.120	.9259	18.926		19.750	.9630	20.598	
18	. 9074	17,898	.9259	18.694	.9444	19.509		20.343	.9815	21.194	
14	.9259	18,481	.9444	19.287	.9630	20.111			1.0000	21.815	
15		19.083	.9630	19.898	.9815		1.0000		1.0185	22.458	
		19,704	100000	D. T. C. 19 44	100 Sec. Of	The state of the s	6.85	the state of	200		4
	.9630		.9815	20.528	1.0000		1.0185	22.231		23,111	
	.9815		1,0000	21.176	1.0185		1.0370		1.0556	23.787	
		21.000			1.0370		1.0556		1.0741	24.481	
	1.0185	21.676			1.0556	23.398			1.0926	25.194	
54	1.0370	22.370		23, 231	100000000000000000000000000000000000000	24.111	1.0926	25.009	1.1111	25.926	20
	1,0556	23.083		23.954	1.0926	24.843			1.1296	26.676	21
	1.0741	23.815		24,694	1.1111	25.593	1.1296	26.509	1.1481	27.444	
	1.0926	24.565			1.1296	26.361	1.1481	27.287	1.1667	28.231	
	1.1111	25.333		26, 231	1.1481	27.148	1.1667	28.083	1.1852	29.037	
èě	1. 1296	26, 120	1.1481	27.028	1.1667	27.954	1.1852	28.898	1.2047	29,861	25
26	1.1481	26,926	1.1667	27.843	1.1852	28.778	1.2047	29 731	1.2222	80.704	100
27	1.1667	27.750		28.676		29.620			1,2407	31.565	
	1.1852	28,593		29.528	1.2222	30.481			1.2593	32.444	
29	1.2047	29, 454,		30.398	1.2407			32.343		33.348	
0.5	1. 2222	30.333	1,2407	31,287				33.250		34.259	
11	1.2407	31,231	1 9500		1.2778	Committee of the committee of		34, 176			400
	1.2598	32.148		33.120		21 111	1 9119	35.120	1,0148	35.194	
	1.2778		1,2963		1.3148	25 065	1 9999	36.083	1.0000	36.148	
	1.2963		1.3148	35.028		36 037	1 9510	37.065	1.0019	37.120	
	1.3148		1.3333			37 098	1 2704	38.065	1 9000	38.111	
	1.3333	36,000	1.3519	87.009	1,3704	38.037	1.3889	39.083	1.4074	40.148	y
	1.3519	31.009	1.3704	38,028	1.3889	39.065	1.4074	40.120	1.4259	41.194	
	1.3704	Spile Colst.	170063	33,000	1.4014	40.111	1.4259	41.1/0	1.4444	42, 259	
7.71	1.3889	39.083		40,120	1.4259	41.176	1.4444	42.250	1.4630	43,343	
S. I	1.4074	40,148						43.343			
	1.4259	41,231	1.4444	42.287	1.4630	43,361	1.4815	44.454	1.5000	45.565	41
	1,4444	42, 333	1.4630	43.398	1.4815	44, 481	1.5000	45.583	1.5185	46,704	42
	1,4630	43, 454	1.4815	44.528	1.5000	45.620	1.5185	46,731	1.5370	47,861	43
	1.4813		1.5000	45.676	1.5185	46.778	1.5370	47.898	1.5556	49.037	44
- 1	1.3000	43.730	1.5185	46.843	1.5370	47,954	1.3336	49.083	1.5741	50.231	4
16	1.3183	46.926	1.5370	48.028	1.5336	49, 148	1.3741	50, 287	1.5996	51.444	41
17	1.5370	48, 120	1.5556	49.231	1.5741	50.361	1.3926	51.309	1.6111	52.676	
18	1.3336	49, 333	1.5741	50.454	1.3926	51.593	1.6111	52, 750	1.6996	53,926	
19	1.3741	30.363	1.3926	51.694	1.6111	52.843	1.6296	54,009	1.6481	35, 194	
iO.	1.3926	31,813	1.6111	52.954	1.6296	54, 111	1.6481	55. 287	1.6667	36.481	
-	-				Z/HA		7		- 177	******	L
d	3	6	. 3	7	3	8	1	19		10	1
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# TABLE XLVIII.—BASE 1.—SLOPES $\frac{3}{4}$ to 1.

0 .3 1 .3 2 .3 3 .8 4 .8 5 .8 6 .8 7 .8 8 .9 9 .9	0185 0370 0556 0741 0926 1111	22.065 22.694 23.843 24.009 24.694 25.398	1.0370 1.0556 1.0741 1.0926	22, 333 22, 954 23, 593 24, 250 24, 926 25, 620	1.0370 1.0556 1.0741 1.0926	22.620 23.231 23.861 24.509 25.176	.9259 .9444 .9630 .9815 1.0000 1.0185 1.0370 1.0556 1.0741	23,528 24,148 24,787 25,444	1.0000 1.0185 1.0370 1.0556 1.0741	Add, 18.750 19.176 19.620 20.083 20.565 21.065 21.20 22.676 23.250 23.250 24.454 25.083 25.731	1 2 3 4 5 6 7 8 9 10 11 12
1 .72 .73 .44 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .55 .8 .5	7778 7963 8148 8333 8519 8704 8889 9074 9259 9444 9630 90185 0000 0185 0370 0556 0741 0926 1111	15. 954 16. 361 17. 281 17. 694 18. 176 19. 194 19. 731 20. 287 20. 261 21. 454 22. 065 22. 694 23. 343 24. 009 24. 694 25. 398 26. 120	.7963 .8148 .8353 .8519 .8704 .8889 .9074 .9259 .9415 1.0000 1.0185 1.0370 1.0556 1.0741 1.0926 1.1111	16.731 17.148 17.583 18.037 18.509 19.000 19.509 20.037 20.583 21.148 21.731 22.333 22.954 23.593 24.250 24.926 25.620	.8148 .8363 .8519 .8704 .8889 .9074 .9259 .9444 .9630 .9815 1.0000 1.0185 1.0370 1.0556 1.0741	17. 528 17. 954 18. 398 18. 861 19. 343 19. 843 20. 361 20. 898 21. 454 22. 028 22. 620 23. 231 23. 281 24. 509 25. 176	.8333 .8519 .8704 .8889 .9074 .9259 .9444 .9630 .9815 1.0000 1.0185 1.0370 1.0556 1.0741	18. 343 18. 778 19. 231 19. 704 20. 194 20. 704 21. 231 21. 778 22. 343 22. 926 23. 528 24. 148 24. 787 25. 444	.8519 .8704 .8889 .9074 .9259 .9444 .9630 .9815 1.0000 1.0185 1.0370 1.0556 1.0741	19.176 19.620 20.083 20.565 21.065 21.583 22.120 22.676 23.250 23.843 24.454 25.083 25.781	1 2 3 4 5 6 7 8 9 10 11 12
2	7963 8148 8333 8519 8704 8889 9074 9259 9444 9630 9815 0000 0185 0370 0556 0741 0926 1111	16. 361 16. 787 17. 281 17. 694 18. 176 18. 176 19. 194 19. 731 20. 287 20. 287 22. 664 22. 664 23. 343 24. 009 24. 694 25. 398 26. 120	.8148 .8333 .8519 .8704 .8889 .9074 .9259 .9444 .9630 .9815 1.0000 1.0185 1.0370 1.0556 1.0741 1.0926 1.1111	17. 148 17. 583 18. 087 18. 509 19. 000 19. 509 20. 087 20. 583 21. 148 21. 731 22. 333 22. 954 23. 593 24. 250 24. 926 25. 620	.8833 .8519 .8704 .8889 .9074 .9259 .9444 .9630 .9815 1.0000 1.0185 1.0370 1.0556 1.0741	17. 954 18. 398 18. 861 19. 343 19. 843 20. 361 20. 898 21. 454 22. 028 22. 620 23. 231 23. 861 24. 509 25. 176	.8519 .8704 .8889 .9074 .9259 .9444 .9630 .9815 1.0000 1.0185 1.0370 1.0556 1.0741	18.778 19.231 19.704 20.194 20.704 21.231 21.778 22.343 22.926 23.528 24.148 24.787 25.444	.8704 .8889 .9074 .9259 .9444 .9630 .9815 1.0000 1.0185 1.0370 1.0556 1.0741	19.620 20.083 20.565 21.065 21.583 22.120 22.676 23.250 23.843 24.454 25.083 25.781	2 3 4 4 5 6 7 8 9 10 11 12
3 . 8 . 8 . 8 . 8 . 8 . 8 . 8 . 8 . 8 .	8148 8333 8519 8704 8889 9074 9259 9444 9630 9815 0000 0185 0370 0556 0741 0926 1111	16.787 17.231 17.694 18.176 19.194 19.731 20.287 20.861 21.454 22.065 22.694 23.343 24.009 24.694 25.398 26.120	.8833 .8519 .8704 .8889 .9074 .9259 .9444 .9630 .9815 1.0000 1.0185 1.0556 1.0556 1.0741 1.0926 1.1111	17.583 18.037 18.509 19.000 19.509 20.037 20.583 21.148 21.731 22.333 22.954 23.593 24.250 24.926 25.620	.8519 .8704 .8889 .9074 .9259 .9444 .9630 .9815 1.0000 1.0185 1.0370 1.0556 1.0741	18.398 18.861 19.343 19.843 20.361 20.898 21.454 22.028 22.620 23.231 23.861 24.509 25.176	.8704 .8889 .9074 .9259 .9444 .9630 .9815 1.0000 1.0185 1.0370 1.0556 1.0741	19.231 19.704 20.194 20.704 21.231 21.778 22.343 22.926 23.528 24.148 24.787 25.444	.8889 .9074 .9259 .9444 .9630 .9815 1.0000 1.0185 1.0370 1.0556 1.0741	20, 083 20, 565 21, 065 21, 583 22, 120 22, 676 23, 250 23, 843 24, 454 25, 083 25, 731	3 4 5 6 7 8 9 10 11 12
4 .8 .6 .6 .8 .8 .9 .9 .9 .9 .9 .1 .1 .5 .1 .6 .1 .6 .1 .6 .1 .6 .1 .1 .5 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1	8333 8519 8704 8889 9074 9259 9444 9630 9815 0000 0185 0370 0556 0741 0926 1111	17. 291 17. 694 18. 176 18. 676 19. 194 19. 731 20. 287 20. 861 21. 454 22. 065 22. 694 23. 343 24. 009 24. 694 25. 398 26. 120	.8519 .8704 .8889 .9074 .9259 .9444 .9630 .9815 1.0000 1.0185 1.0370 1.0556 1.0741 1.0926 1.1111	18.037 18.509 19.000 19.509 20.037 20.583 21.148 21.731 22.333 22.954 23.593 24.250 24.926 25.620	.8704 .8889 .9074 .9259 .9444 .9630 .9815 1.0000 1.0185 1.0370 1.0556 1.0741 1.0926	18.861 19.343 19.843 20.361 20.898 21.454 22.028 22.620 23.231 23.861 24.509 25.176	.8889 .9074 .9259 .9444 .9630 .9815 1.0000 1.0185 1.0370 1.0556 1.0741	19.704 20.194 20.704 21.231 21.778 22.343 22.926 23.528 24.148 24.787 25.444	.9074 .9259 .9444 .9630 .9815 1.0000 1.0185 1.0370 1.0556 1.0741	20.565 21.065 21.583 22.120 22.676 23.250 23.843 24.454 25.083 25.731	4 5 6 7 8 9 10 11 12
5 . 8 . 8 . 8 . 9	8519 8704 8889 9074 9259 9444 9630 9815 0000 0185 0370 0556 0741 0926 1111	17.694 18.176 18.676 19.194 19.731 20.287 20.861 21.454 22.065 22.694 23.343 24.009 24.694 25.398 26.120	.8704 .8889 .9074 .9259 .9444 .9630 .9815 1.0008 1.0185 1.0370 1.0556 1.0741 1.0926 1.1111	18,509 19,000 19,509 20,087 20,583 21,148 21,731 22,333 22,954 23,593 24,250 24,926 25,620	.8889 .9074 .9259 .9444 .9630 .9815 1.0000 1.0185 1.0370 1.0556 1.0741 1.0926	19,343 19,843 20,361 20,898 21,454 22,028 22,620 23,231 23,861 24,509 25,176	.9074 .9259 .9444 .9630 .9815 1.0000 1.0185 1.0370 1.0556 1.0741	20.194 20.704 21.231 21.778 22.343 22.926 23.528 24.148 24.787 25.444	.9259 .9444 .9630 .9815 1.0000 1.0185 1.0370 1.0556 1.0741	21.065 21.583 22.120 22.676 23.250 23.843 24.454 25.083 25.731	5 7 8 9 10 11 12
6 . 8	8704 8889 9074 9259 9444 9630 9815 0000 0185 0370 0556 0741 0926 1111	18.176 18.676 19.194 19.731 20.287 20.861 21.454 22.065 22.694 23.343 24.009 24.694 25.398 26.120	.8889 .9074 .9259 .9444 .9630 .9815 1.0000 1.0185 1.0370 1.0556 1.0741 1.0926 1.1111	19.000 19.509 20.037 20.583 21.148 21.731 22.333 22.954 23.593 24.250 24.926 25.620	.9074 .9259 .9444 .9630 .9815 1.0000 1.0185 1.0370 1.0556 1.0741 1.0926	19.843 20.361 20.898 21.454 22.028 22.620 23.231 23.861 24.509 25.176	.9259 .9444 .9630 .9815 1.0000 1.0185 1.0370 1.0556 1.0741	20.704 21.231 21.778 22.343 22.926 23.528 24.148 24.787 25.444	.9444 .9630 .9815 1.0000 1.0185 1.0370 1.0556 1.0741	21.583 22.120 22.676 23.250 23.843 24.454 25.083 25.731	6 7 8 9 10 11 12
7 . 8	8889 9074 9259 9444 9630 9815 0000 0185 0370 0556 0741 0926 1111	18.676 19.194 19.731 20.287 20.861 21.454 22.065 22.694 23.343 24.009 24.694 25.398 26.120	.9074 .9259 .9444 .9630 .9815 1.0000 1.0185 1.0370 1.0556 1.0741 1.0926 1.1111	19.509 20.087 20.583 21.148 21.731 22.333 22.954 23.593 24.250 24.926 25.620	.9259 .9444 .9630 .9815 1.0000 1.0185 1.0370 1.0556 1.0741 1.0926	20.361 20.898 21.454 22.028 22.620 23.231 23.861 24.509 25.176	.9444 .9630 .9815 1.0000 1.0185 1.0370 1.0556 1.0741	21.231 21.778 22.343 22.926 23.528 24.148 24.787 25.444	.9630 .9815 1.0000 1.0185 1.0370 1.0556 1.0741	22, 120 22, 676 23, 250 23, 843 24, 454 25, 083 25, 781	10 11 12
7 . 8	8889 9074 9259 9444 9630 9815 0000 0185 0370 0556 0741 0926 1111	18.676 19.194 19.731 20.287 20.861 21.454 22.065 22.694 23.343 24.009 24.694 25.398 26.120	.9074 .9259 .9444 .9630 .9815 1.0000 1.0185 1.0370 1.0556 1.0741 1.0926 1.1111	19.509 20.087 20.583 21.148 21.731 22.333 22.954 23.593 24.250 24.926 25.620	.9259 .9444 .9630 .9815 1.0000 1.0185 1.0370 1.0556 1.0741 1.0926	20.361 20.898 21.454 22.028 22.620 23.231 23.861 24.509 25.176	.9444 .9630 .9815 1.0000 1.0185 1.0370 1.0556 1.0741	21.231 21.778 22.343 22.926 23.528 24.148 24.787 25.444	.9630 .9815 1.0000 1.0185 1.0370 1.0556 1.0741	22, 120 22, 676 23, 250 23, 843 24, 454 25, 083 25, 781	10 11 12
8	9074 9259 9444 9630 9815 0000 0185 0370 0556 0741 0926 1111	19.194 19.731 20.287 20.861 21.454 22.065 22.694 23.343 24.009 24.694 25.398 26.120	.9259 .9444 .9630 .9815 1.0000 1.0185 1.0370 1.0556 1.0741 1.0926 1.1111	20.037 20.583 21.148 21.731 22.333 22.954 23.593 24.250 24.926 25.620	.9444 .9630 .9815 1.0000 1.0185 1.0370 1.0556 1.0741 1.0926	20.898 21.454 22.028 22.620 23.231 23.861 24.509 25.176	.9630 .9815 1.0000 1.0185 1.0370 1.0556 1.0741	21.778 22.343 22.926 23.528 24.148 24.787 25.444	.9815 1.0000 1.0185 1.0370 1.0556 1.0741	22.676 23.250 23.843 24.454 25.083 25.731	10 11 12
9	9259 9444 9630 9815 0000 0185 0370 0556 0741 0926 1111	19.731 20.287 20.861 21.454 22.065 22.694 23.343 24.009 24.694 25.398 26.120	.9444 .9630 .9815 1.0000 1.0185 1.0370 1.0556 1.0741 1.0926 1.1111	20.583 21.148 21.731 22.333 22.954 23.593 24.250 24.926 25.620	.9630 .9815 1.0000 1.0185 1.0370 1.0556 1.0741 1.0926	21.454 22.028 22.620 23.231 23.861 24.509 25.176	.9815 1.0000 1.0185 1.0370 1.0556 1.0741	22.343 22.926 23.528 24.148 24.787 25.444	1.0000 1.0185 1.0370 1.0556 1.0741	23.250 23.843 24.454 25.083 25.731	10 11 12
10 .5 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1 .1	9444 9630 9815 0000 0185 0370 0556 0741 0926 1111	20.287 20.861 21.454 22.065 22.694 23.343 24.009 24.694 25.398 26.120	.9630 .9815 1.0000 1.0185 1.0370 1.0556 1.0741 1.0926 1.1111	21.148 21.731 22.333 22.954 23.593 24.250 24.926 25.620	.9815 1.0000 1.0185 1.0370 1.0556 1.0741 1.0926	22.028 22.620 23.231 23.861 24.509 25.176	1.0000 1.0185 1.0370 1.0556 1.0741	22.926 23.528 24.148 24.787 25.444	1.0185 1.0370 1.0556 1.0741	23.843 24.454 25.083 25.731	10 11 12
11	9630 9815 0000 0185 0370 0556 0741 0926 1111	20.861 21.454 22.065 22.694 23.343 24.009 24.694 25.398 26.120	.9815 1.0000 1.0185 1.0370 1.0556 1.0741 1.0926 1.1111	21.731 22,333 22,954 23,593 24,250 24,926 25,620	1.0185 1.0370 1.0556 1.0741 1.0926	22.620 23.231 23.861 24.509 25.176	1.0185 1.0370 1.0556 1.0741	23,528 24,148 24,787 25,444	1.0370 1.0556 1.0741	24.454 25.083 25.781	11
12	9815 0000 0185 0370 0556 0741 0926 1111	$\begin{array}{c} 21.454 \\ 22.065 \\ 22.694 \\ 23.343 \\ 24.009 \\ 24.694 \\ 25.398 \\ 26.120 \end{array}$	1.0000 1.0185 1.0370 1.0556 1.0741 1.0926 1.1111	22, 333 22, 954 23, 593 24, 250 24, 926 25, 620	1.0185 1.0370 1.0556 1.0741 1.0926	23.231 23.861 24.509 25.176	1.0370 1.0556 1.0741	24.148 24.787 25.444	1.0556 $1.0741$	25.083 $25.731$	12
13 1.6 14 1.1 15 1.6 16 1.6 17 1.6 18 1.6 19 1.1 18 1.6 19 1.1 12 22 1.1 12 22 1.1 12 22 1.1 12 22 1.1 13 22 1.1 14 1.6 15 1.6 16 1.6 17 1.6 18 1.6	0000 0185 0370 0556 0741 0926 1111	22.065 22.694 23.343 24.009 24.694 25.398 26.120	1.0185 1.0370 1.0556 1.0741 1.0926 1.1111	22.954 23.593 24.250 24.926 25.620	1.0370 1.0556 1.0741 1.0926	23.861 $24.509$ $25.176$	$1.0556 \\ 1.0741$	24.787 $25.444$	1.0741	25.731	
141.661.661.661.661.661.661.661.661.661.	0185 0370 0556 0741 0926 1111	22,694 23,343 24,009 24,694 25,398 26,120	1.0370 1.0556 1.0741 1.0926 1.1111	23,593 24,250 24,926 25,620	1.0556 1.0741 1.0926	24.509 $25.176$	1.0741	25.444			10
15 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6	0370 0556 0741 0926 1111	23,343 24,009 24,694 25,398 26,120	1.0556 1.0741 1.0926 1.1111	24.250 24.926 25.620	1.0741 $1.0926$	25.176	0.770.000.00			26.398	
1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6 1.6	$0556 \\ 0741 \\ 0926 \\ 1111$	24.009 24.694 25.398 26.120	1.0741 1.0926 1.1111	$24.926 \\ 25.620$	1.0926		1.0926	26 120	1.1111	27.083	
17 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18 1. (18	$0741 \\ 0926 \\ 1111$	24.694 $25.398$ $26.120$	1.0926 $1.1111$	25,620			30-1223	1000	100 to 10		
18 1.0 19 1.1 1.1 1.1 1.1 1.1 1.1 1.1 1.1	$0926 \\ 1111$	$25.398 \\ 26.120$	1.1111			25.861	The second second	26.815		27.787	
1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	1111	26.120					1.1296	27.528		28.509	
1.22 1.32 1.32 1.32 1.32 1.32 1.32 1.32			1.1296		1.1296		1.1481		1.1667	29.250	
21 1.1 22 1.1 23 1.1 24 1.5 25 1.5 26 1.5 26 1.5 27 1.5 28 1.5 30 1.3 31 1.3 32 1.3 33 1.3 36 1.4 37 1.4 38 1.4	1296	26.861		27.065			1.1667		1.1852	30.009	
22 1.1 23 1.1 24 1.5 25 1.2 25 1.5 26 1.5 27 1.5 28 1.5 29 1.5 30 1.3 31 1.3 32 1.3 33 1.3 34 1.3 35 1.4 36 1.4 37 1.4		220120	1.1481	27.815	A	28.787	1,1852	29.778	1.2047	30.787	20
23 1.1 24 1.5 25 1.2 26 1.2 26 1.2 27 1.5 28 1.5 29 1.5 30 1.3 31 1.3 32 1.3 33 1.3 34 1.3 35 1.4 36 1.4 37 1.4	1481	27.620	1.1667	28.583	1.1852	29.565	1.2047	30.565	1.2222	31.583	21
24 1.5 25 1.5 26 1.5 27 1.5 27 1.5 28 1.5 29 1.5 30 1.6 31 1.6 33 1.6 34 1.5 35 1.6 36 1.6 37 1.6 38 1.6	1667	28.398	1.1852	29.370	1.2047	30.361	1.2222	31.370	1.2407	32.398	22
25 1.2 26 1.2 27 1.2 28 1.2 28 1.2 29 1.2 30 1.3 31 1.3 32 1.3 33 1.3 34 1.3 35 1.4 36 1.4 37 1.4 38 1.4	1852	25, 194	1.2047	30,176	1.2222	31.176	1.2407	32.194	1.2593	33.231	23
26 1. 5 27 1. 5 28 1. 5 29 1. 5 30 1. 3 31 1. 3 32 1. 3 34 1. 3 35 1. 4 36 1. 4 37 1. 4 38 1. 4 39 1. 4	2047	30.009	1.2222	31.000	1.2407	32.009	1.2593	33.037	1.2778	34.083	24
27 1.5 28 1.5 29 1.5 30 1.3 31 1.3 32 1.3 33 1.3 34 1.5 36 1.4 37 1.4 38 1.4 38 1.4 38 1.4 38 1.4 38 1.4 38 1.4 38 1.5 38 1.5	2222	30.843	1.2407	31.843	1.2593	32.861	1.2778	33.898	1.2963	34.954	25
27 1.5 28 1.5 29 1.5 30 1.3 31 1.3 32 1.3 33 1.3 34 1.5 36 1.4 37 1.4 38 1.4 38 1.4 38 1.4 38 1.4 38 1.4 38 1.4 38 1.5 38 1.5	2407	31.694	1.2593	32.704	1.2778	33. 731	1.2963	34.778	1.3148	35.843	26
28 1.5 29 1.5 30 1.3 31 1.3 32 1.3 33 1.3 34 1.5 35 1.4 36 1.4 37 1.4 38 1.4 39 1.4			1.2778	33.583			1.3148		1.3333	36.750	
29 1.5 30 1.3 31 1.3 32 1.3 33 1.3 34 1.3 35 1.4 36 1.4 38 1.4			1.2963	34.481			1.3333		1.3519	37.676	
30 1.3 31 1.3 32 1.3 33 1.3 34 1.3 35 1.4 36 1.4 37 1.4 38 1.4			1.3148		1.3333		1.3519		1.3704	38.620	
31 1.3 32 1.3 33 1.3 34 1.3 35 1.4 36 1.4 37 1.4 38 1.4		35.287		36.333			1.3704	38,481		39.583	
32 1.3 33 1.3 34 1.3 35 1.4 36 1.4 37 1.4 38 1.4	2000	100000	C 1000 300	37.287	F 7 1 1 1 1 1 1 1 1 1	2000000	0.00000	10.32		40.565	100
33 1. 3 34 1. 3 35 1. 4 36 1. 4 37 1. 4 38 1. 4			1.3519	38.259			1.3889	39.454	1.4259	41.565	
34 1.3 35 1.4 36 1.4 37 1.4 38 1.4			1.3889	39.250			1.4074 $1.4259$		1.4444	42.583	
35 1.4 36 1.4 37 1.4 38 1.4 39 1.4			1.4074	40.259	1000000		and the second			43.620	
36 1.4 37 1.4 38 1.4 39 1.4			1.4259	41.287			1.4444 $1.4630$	43.528	1.4630	44.676	
37 1.4 38 1.4 39 1.4			W 10 200 1	IC PC SOL	200		1975	100 000			64
38 1.4 39 1.4			1.4444	42,333			1.4815		1.5000	45.750	
39 1.4			1.4630	43,398			1.5000		1.5185	46.843	
			1.4815	44,481		45.620			1.5370	47,954	
10 1.			1.5000	45.583			1.5370		1.5556	49.083	
	5000	45.565	1.5185	46.704	1.5370	47.861	1.5556	49.037	1.5741	50.231	40
41 1.8	5185	46.694	1.5370	47.843	1.5556	49.009	1.5741	50.194	1.5926	51.398	41
42 1.2	5370	47.843	1.5556	49.000			1.5926	51.370	1.6111	52.583	42
43 1.			1.5741	50.176	1.5926	51.361	1.6111	52.565	1.6296	53.787	
44 1.	5741	50.194	1.5926	51.370	1.6111	52.565	1.6296	53.778	1.6481	55.009	
45 1.8	5926	51.398	1.6111	52.588	1.6296	53.787	1.6481	55.009	1.6667	56.250	45
461.	200	52.620	1,6296	53.815	1.6481	55.028	1.6667	56.259	1.6852	57.509	46
	6111	53.861		and only the decision		56.287		57.528		58.787	
481		55.120		56.833			1.7037		1.7222	60.083	
	6296		1.6852	57.620			1.7222		1.7407	61.398	
	$6296 \\ 6481$		1.7037		1.7222		1.7407		1.7598	62.731	
	6296 6481 6667		4.002			-4.570	7.7.30.	20,		S 2001	
	$6296 \\ 6481$			2	4	9	4			5	

SECOND SERIES.

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### TABLE XLVIII.—BASE 1.—SLOPES \( \frac{3}{4} \) to 1.

	4	6	4	7	4	8	4	9	5	0	
Feet.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Poot.
0	. 8519	19.593	.8704	20,454	.8889	21.333	.9074	22,231	.9259	23.148	
1	.8704	20.028	.8889.	20.898		21,787	.9259	22.694		23,620	
2	.8889	20.481	.9074	21.361	.9259	22,259			.9630	24.111	
3	.9074	20.954	.9259	21.843	.9444				.9815	24.620	
4	. 9259	21.444	.9444	22.343		23.259			1.0000		
5	.9444.	21.954	. 9630	22.861	.9815	23.787	1.0000	24,731	1.0185	25,694	4
6	.9630	22,481	.9815	23.398	1.0000	24.333	1.0185	25,287	1.0370	26.259	1
7	.9815	23.028	1.0000	23,954	1.0185	24.898	1.0370	25,861	1.0556	26.843	1
8	1.0000	23.593	1.0185	24.528	1.0370	25.481	1.0556	26.454	1.0741	27.444	
9	1.0185	24, 176	1.0370	25, 120	1,0556	26.083	1.0741		1.0926		
10	1.0370	24.778	1.0556	25.731	1.0741	26,704	1.0926	27.694	1.1111	28.704	1
- 1	1.0556					27.343		28 843	1.1296	29.361	1
1	1.0741	20.000	1 0096	27 000	1 1111	28 000	1.1296		1.1481		
	1.0926	96 601	1 1111	97 676	1 1996	28.676	1.1481		1.1667	30.731	
1	1 1111	27.370	1 1996	28 861	1.1481	29.370	4.1667	30.398	1.1852	31.444	
		28.065		99 065	1.1667	30.083	1.1852	31.120	1.2047	32, 176	
- 1					10000			4	1.2222		
	1.1481	28.778				30.815	1.2222		1.2407		
	1.1667	29.509.			1.2047						
	1.1852	30.259					1.2407		1.2593		
	1.2047	31.028			1.2407		1.2593		1.2778		-
- 1	1.2222	31.815			1.2593		1.2778		·		1
	1.2407		1.2593	33.676	1,2778	84.750	1.2963	35.843	1.3148	36.954	2
	1.2593		1.2778				1.3148				
23	1.2778		1.2963	35.361	1.3148	36, 454	1.3333	37.565	1.3519	38.694	2
	1.2963		1.3148	36.231	1.3333	37.333	1.3519	38.454	1.3704	39.593	12
25	1.3148	36.028	1.3383	37, 120	1.3519	38.231	1.3704	39.361	1.3889	40.509	12
26	1.3333	36,926	1.3519	38.028	1.5704	39.148	1.3889	40.287	1.4074	41.444	1/2
	1.3519		1.3704	22 051	1 3889	40 083	1 4074	41 931	1 4259	49 398	do:
	1.3704	38,778		39.898	1.4074	41,037	1.4259	42.194	1.4444	43.370	12
	1.3889	39.731	1.4074	40.861	1.4259	42,009	1.4444	43.176	1.4630	44.361	2
30	1.4074	40.704	1.4259	41.843	1.4444	43.000	1.4630	44.176	1.4815	45.370	13
		41.694									
20	1 1111	42.704	1 4630	43 861	1 4815	45.037	1.5000	46 931	1.5185	47 444	3
22	1 1690	43.731	1 4815	44 898	1.50(6)	46.083	1.5185	47. 987	1.5370	48,509	13
14	1 4815	44.778	1.5000	45.954	1.3185	47, 148	1.5370	48, 861	1.5556	49.593	3
		45.843	1 5185	47.098	1.3370	48, 231	1.5556	49.454	1.5741	50,694	3
		46.926									
			1.00.0	10 201	1.5000	50 454	1.3926	51 604	1 6111	54 654	
0	1. 55.0	48,028	1.570	50 221	1 5002	51 502	1 6111	59 8/2	1 6904	34 111	9
		49,148	1 5000	\$1 500	1.6111	59 750	1.6296	54 000	1.6481	55 90"	1
	1.5741	50.257			1.6296	53.926			1.6667	56, 481	
- 1		51.444							2000	1000	1
	1.6111			58,861			1.6667		1.6852		
		33,815		55.065			1.6852				
	1.6481	55.028			1.6852		1.7037		1.7222		
	1.6667	56.259	1.68.52	57.525	1 03.		1.7222				
9	1.6852	37.509	1. 168.	58.787	100000000000000000000000000000000000000		1.7407		1.7593		
6	1.7037	58.778	1.7222	60.065	1.7407	61.370	1.7593	62, 694	1	64.037	14
7	1.7222	60.065	1.7407	61.361	1.7598	62.6.6	1	64.009	1.7963	65, 361	84
18	1.7407	61.370	1.7598	62,676	1.7778	64,000	1.7963	65.343	1.5148	66.704	64
19	1 7593	469 694	1	64,009	1.7965	65, 343	1.8148	66, 694	1.8355	68,065	ē4:
W	1	64.037	1.7963	65.361	1.5148	66.704	1.8333	68.065	1.8519	69.444	Į5i
+	-	-		_				0			r
- 1	. 4	6	4	7	4	8	4	9	5	0	1

TABLE XLIX.—BASE 1.—SLOPES 1 to 1.

		1	5	2		3		4		5	
Feet.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Feet.
0	.0185	0.012	.0370	0.049	.0556	0.111	.0741	0.198	.0926	0.308	0
1	.0370	0.037	.0556	0.086	.0741	0.160	.0926	0.259	.1111	0.383	
2	.0556	0.086	.0741	0.148	.0926	0.235	.1111	0.346	.1296	0.481	
3	.0741	0.160	.0926	0.235	.1111	0.333	.1296	0.457	.1481	0.605	
4	.0926	0.259	.1111	0.346	.1296	0.457	.1481	0.593	.1667	0.753	
5	.1111	0.383	.1296	0.481	.1481	0.605	.1667	0.753	.1852	0.926	1
6	.1296 .1481	0.531 $0.704$	.1481	0.642	.1667	0.778	.1852	0.938	.2037	1.123	
7 8	.1667	0.901	.1852	1.037	.2037	1.296	.2222	1.148	.2222	1.346	
9	.1852	1,123	.2037	1.272	.2222	1.444	.2407	1.383	.2407	1.593	
10	.2037	1.370	.2222	1.531	.2407	1.716	.2593	1.642 $1.926$	.2778	1.864 2.160	
11	. 2222	1.642	.2407	1.815	.2593	2.012	.2778	2.235	.2963	2.481	1
12	.2407	1.938	.2593	2.128	.2778	2.333	.2963	2.568	.3148	2.827	
13	.2593	2.259	.2778	2.457	.2963	2.679	.3148	2.926	.3333	3.198	
14	.2778	2.605	. 2963	2.815	.3148	3.049	. 3333	3.309	.3519	3.593	
15	. 2963	2.975	.3148	3.198	.3333	3.444	.3519	3.716	.3704	4.012	
16	.3148	3.370	. 3333	3.605	.3519	3.864	.3704	4.148	. 3889	4.457	1
17	. 3333	3.790	.3519	4.037	.3704	4.309	.3889	4.605	.4074	4.926	
18	.3519	4.235	.3704	4.494	. 3889	4.778	.4074	5.086	.4259	5.420	
19	.3704	4.704	.3889	4.975	.4074	5.272	4259	5.593	.4444	5.938	
30	.3889	5.198	.4074	5.481	.4259	5.790	.4444	6.061	.4630	6.481	
21	.4074	5.716	.4259	6.012	.4444	6.333	.4630	6.679	.4815	7.049	2
22	.4259	6.259	.4444	6.568	.4630	6.901	.4815	7.259	.5000	7.642	
23	. 4444	6.827	.4630	7.148	,4815	7.494	.5000	7.864	.5185	8.259	28
24	.4630	7.420	.4815	7.753	.5000	8.111	.5185	8,494	.5370	8.901	24
25	.4815	8.037	.5000	8.383	.5185	8.573	.5870	9.148	. 5556	9.568	2
26	.5000	8.679	.5185	9.037	.5370	9.420	.5556	9.827	.5741	10.259	
27	.5185	9.346	.5370	9.716	. 5556	10.111	.5741	10.531	.5926	10.975	2
28	.5370	10.037	. 5556	10.420	.5741	10.827	.5926	11,259	.6111	11.716	
29	.5556	10.753	.5741	11.148	.5926	11.568	.6111	12.012	.6296	12.481	
30	.5741	11.494	.5926	11.901	.6111	12.333	.6296	12.790	. 6481	13.272	1
31	.5926	12.259	.6111	12.679	.6296	13.123	.6481	13.598	.6667	14.086	
32	.6111	13.049	.6296	13.481	. 6481	13.938	.6667	14.420	. 6852	14.926	
34	.6481	13.864	.6481	14.309	.6667	14.778	. 6852	15.272	.7037	15.790	
35	. 6667	14.704 15.568	.6667	15.160 16.037	.6852 .7037	15.642 16.531	.7037	16.148 17.049	.7222	16.679 17.593	
36	. 6852	16.457	.7037	16.938	.7222	17.444	.7407	17.975	.7598	18.531	
37	.7037	17.370	.7222	17.864	.7407	18.383	.7593	18.926	.7778	19,494	
38	.7222	18.309	.7407	18.815	.7598	19.346	.7778	19.901	.7963	20.481	
39	.7407	19.272	.7598	19.790	.7778	20.833	.7963	20.901	.8148	21.494	
10	.7598	20.259	.7778	20.790	.7968	21.346	.8148	21.926	.8333	22.531	
11	.7778	21.272	.7963	21.815	.8148	22,383	.8333	22.975	.8519	23.598	
42	.7963	22,309	.8148	22.864	.8333	23.444	.8519	24.049	.8704	24.679	
13	.8148	23.370	.8333	23.938	.8519	24.531	.8704	25.148	.8889	25.790	
14	.8333	24.457	.8519	25.037	.8704	25.642	.8889	26.272	.9074	26.926	
15	.8519	25.568	.8704	26.160	.8889	26.778	.9074	27.420	.9259	28,086	
16	.8704	26.704	.8889	27.309	.9074	27.938	.9259	28.593	.9444	29.272	46
17	.8889	27.864	.9074	28.481	.9259	29.123	.9444	29.790	.9630	30.481	
18	.9074	29.049	.9259	29.679	.9444	30.333	.9630	31.012	.9815	31.716	
19	. 9259	30.259	.9444	30.901	.9680	31.568	.9815	32,259	1.0000	32.975	
50	. 9444	31.494	.9630	32,148	.9815	32.827	1.0000		1.0185	34.259	
-							-		-		-
- 1		1		2		3	4	1	3	)	



#### TABLE XLIX.-BASE 1.-SLOPES 1 to 1.

		6	0	7	1	8		9	1	0	
Feet.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Feet.
0	.1111	0.444	. 1296	0.605	.1481	0.790	.1667	1.000	.1852	1.235	
1	.1296	0.531	.1481	0.704	.1667	0.901	.1852	1.123	.2037	1.370	
2	.1481	0.642	.1667	0.827	.1852	1.037	. 2037	1.272	.2222	1.531	2
3	.1667	0.778	.1852	0.975	.2037	1.198	.2222	1.444	.2407	1.716	
4	.1852	0.938	. 2037	1.148	. 2222	1.383	.2407	1.642	. 2593	1.926	
5	.2037	1.123	.2222	1.346	.2407	1.593	. 2593	1.864	.2778	2.160	
6	. 2222	1.333	. 2407	1.568	.2593	1.827	.2778	2.111	.2963	2.420	
7	.2407	1.568	. 2593	1.815	.2778	2.086	. 2963	2.383	.3148	2.704	
8	. 2593	1.827	.2778	2.086	. 2963	2.370	.3148	2.679	. 3333	3.012	
9	.2778	2.111	.2963	2.383	.3148	2.679	. 3333	3.000	. 3519	3.346	
10	. 2963	2.420	.3148	2.704	, 3333	3.012	.3519	3.346	.3704	3.704	
11	.3148	2.753	. 3333	3.049	.3519	3.370	.3704	3.716	.3889	4.086	
12	. 3333	3.111	.3519	3.420	.3704	8.553	.3889	4.111	.4074	4.494	
13	.3519	3.494	.3704	3.815	.3889	4.160	.4074	4.531	.4259	4.926	
14	.3704	3.901	.3889	4.235	.4074	4.593	.4259	4.975	.4444	5.383	
15	,3889	4.333	.4074	4.679	,4259	5.049	.4444	5.444	.4630	5.864	
16	.4074	4.790	.4259	5.148	.4444	5.531	.4630	5.938	.4815	6.370	
7	.4259	5.272	.4444	5.642	.4630	6.037	.4815	6.457	.5000	6.901	
18	.4444	5.778	.4630	6.160	.4815	6.568	.5000	7.000	.5185	7.457	
19	.4630	6.309	.4815	6.704	.5000	7.123	.5185	7.568	.5370	8.037	
05	.4815	6.864	.5000	7.272	.5185	7.704	.5370	8.160	.5556	8.642	17.
21	.5000	7.444	.5185	7.864	.5370	8.309	. 5556	8.778	.5741	9.272	21
22	.5185	8.049	.5370	8.481	.5556	8.938	.5741	9.420	.5926	9.926	25
23	.5370	8.679	.5556	9.123	.5741	9.593	.5926	10.086	.6111	10.605	28
24	. 5556	9.333	.5741	9.790	.5926	10.272	.6111	10.778	. 6296	11.309	24
25	.5741	10.012	.5926	10.481	.6111	10.975	.6296	11.494	. 6481	12.037	25
26	.5926	10.716	.6111	11.198	.6296	11.704	. 6481	12,235	. 6667	12.790	26
27	.6111	11.444	. 6296	11,938	.6481	12.457	. 6667	13.000	. 6852	13.568	
28	.6296	12.198	. 6481	12.704	.6667	13.235	. 6852	13.790	.7037	14.370	
29	.6481	12.975	.6667	13.494	. 6852	14.037	.7037	14.605	.7222	15.198	29
30	.6667	13.778	. 6852	14.309	.7037	14.864	.7222	15.444	.7407	16.049	
31	. 6852	14.605	.7037	15.148	.7222	15.716	.7407	16.309	.7593	16,926	31
32	.7037	15.457	.7222	16.012	.7407	16.593	.7593	17.198	.7778	17.827	
33	.7222	16.333	.7407	16.901	.7593	17.494	.7778	18.111	.7963	18.753	
34	.7407	17.235	.7593	17.815	.7778	18.420	.7963	19.049	.8148	19.704	
35	.7593	18.160	.7778	18.753	.7963	19.370	.8148	20.012	.8333	20.679	
36	.7778	19.111	. 7963	19.716	.8148	20.346	.8333	21,000	.8519	21.679	36
37	.7963	20.086	.8148	20.704	.8333	21.346	.8519	22.012	.8704	22.704	
38		21.086	. 8333	21.716	.8519	22.370	.8704	23.049	.8889	23.753	
39	.8333	22,111	.8519	22.758	.8704	23.420	.8889	24, 111	.9074	24.827	
10	.8519	23.160	.8704	23.815	.8889	24.494	.9074	25.198	.9259	25.926	
41	.8704	24.235	. 8889	24,901	.9074	25.593	.9259	26.309	.9444	27.049	41
12	.8889	25.333	.9074	26.012	.9259	26.716	.9444	27.444	.9630	28.198	
43	.9074	26.457	.9259	27.148	.9444	27.864	.9630	28,605	.9815	29.370	
44	.9259	27,605	.9444	28.309	.9630	29.037	.9815	29.790	1.0000	30.568	
15	.9444	28.778	.9630	29.494	.9815		1.0000	31.000	1.0185	31.790	
16	1.00	29.975	.9815	30.704	1.0000		1.0185		1.0370	33.037	
47	.9815	31.198		31.938	1.0185		1.0370	33.494	1.0556	34.309	
	1,0000		1.0185	33.198	1.0370		1.0556		1.0741	35.605	
	1.0185		1.0370	34.481	1.0556		1.0741	36.086	1.0926	36.926	
	1.0370		1.0556	35.790	1.0741		1.0926	37.420		38.272	
.,	1.0010	20.012	2.0000	20.100	01.21	20.000		-11.120			
		6		7		3		9	1	0	

	1	1	1	2	1	3	1	14	1	5	
Feet.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Feet.
0	.2037	1.494	.2222	1.778	.2407	2.086	. 2598	2.420	.2778	2.778	0
1	. 2222	1.642	.2407	1.938	.2593	2.259	.2778	2.605	. 2963	2.975	1
2	. 2407	1.815	. 2593	2.123	.2778	2.457	. 2963	2.815	.3148	3.198	
3	. 2593	2.012	. 2778	2.333	. 2963	2.679	.3148	3.049	. 3333	3.444	3
4	.2778	2.235	.2963	2.568	.3148	2.926	, 3333	3.309	.3519	3.716	
5	. 2963	2.481	.3148	2.827	. 3333	3.198	.3519	3.593	.3704	4.012	1
6	.3148	2.753	. 3333	3.111	. 3519	3.494	.3704	3.901	.3889	4.333	1 2
7	. 3333	3.049	. 3519	3.420	.3704	3,815	. 3889	4,235	.4074	4.679	7
8	.3519	3,370	.3704	3.753	. 3889	4.161	.4074	4.593	. 4259	5.049	
9	.3704	3.716 4.086	.3889	4.111	.4074	4,531	.4259	4.975 5.383	.4444	5.444	10
10		100 C T T T	1 1 1 1 1 1 1	4,494	.4444	1	.4630	64.003	.4815	5.864	
11	.4074	4.481	.4259	4.901 5.333	.4630	5.346	.4815	6.815 $6.272$	.5000	6.309	
12	.4255	5.346	.4630	5.790	.4815	6.259	.5000	6.753	.5185		
13	.4630	5.815	.4815	6.272	.5000	6.753	.5185	7.259	.5370	7.272	
14	.4815	6,309	.5000	6.778	.5185	7.272	. 5370	7.790	.5556	8.333	
6	.5000	6.827	.5185	7.309	.5370	7.815	. 5556	8.346	.5741	8.901	
17	.5185	7.370	.5370	7.864	.5556	8.383	.5741	8.926	.5926	9.494	
18	.5370	7.938	.5556	8.444	.5741	8.975	.5926	9.531	.6111	10.111	
19	.5556	8.531	.5741	9.049	.5926	9.593	.6111	10.160	. 6296	10.753	
20		9.148	.5926	9.679	.6111	10.235	.6296	10.815	. 6481	11.420	
21	.5926	9.790	.6111	10.333	.6296	10.901	.6481	11.494	. 6667	12.111	
22	.6111	10.457	.6296	11.012	. 6481	11.593	. 6667	12.198	. 6852	12.827	
23		11.148	. 6481	11,716	.6667	12.309	. 6852	12.926	.7037	13,568	
24		11.864	. 6667	12.444	. 6852	13.049	.7037	13,679	.7222	14.333	
25	. 6667	12.605	. 6852	13.198	.7037	13.815	.7222	14.457	.7407	15.123	
26	. 6852	13.370	.7037	13.975	.7222	14.605	.7407	15,259	.7593	15.938	26
27	.7037	14.160	,7222	14.778	.7407	15.420	.7593	16.086	.7778	16.778	27
28	.7222	14.975	.7407	15.605	. 7593	16.259	.7778	16.938	.7963	17.642	28
29	.7407	15.815	.7593	16,457	.7778	17,123	.7963	17.815	.8148	18.531	25
30	.7593	16,679	.7778	17.333	.7963	18,012	.8148	18.716	. 8333	19.444	30
31	.7778	17.568	.7963	18.235	.8148	18.926	. 8333	19.642	.8519	20.383	
32	. 7963	18,481	.8148	19.160	. 8333	19,864	. 8519	20.593	.8704	21.346	
33	.8148	19,420	.8333	20.111	,8519	20,827	.8704	21.568	.8889	22,333	
34	. 8333	20.383	.8519	21.086	,8704	21.815	.8889	22.568	.9074	23,346	
35	.8519	21.370	.8704	22.086	.8889	22,827	.9074	23.593	.9259	24.383	
36	.8704	22.383	.8889	23,111	.9074	23.864	.9259	24.642	.9444	25,444	
37	.8889	23.420	.9074	24.160	. 9259	24.926	. 9444	25.716	.9630	26,531	
18	.9074	24.481	.9259	25.235	.9444	26.012	.9630	26.815	.9815	27.642	
39	,9259	25.568	.9444	26.333	.9630	27.123	.9815	27.938	1.0000	28.778	
10	.9444	26.679	,9630	27.457	.9815	28.259	1.0000	29.086	1.0185	29.938	
1	,9630	27.815	.9815	28.605	1.0000	29.420	1.0185	30.259	1.0370	31.123	
12	.9815		1.0000		1.0185	30.605		31.457		32,333	
	1.0000	30.160	1.0185		1.0370	31.815		32.679		88.568	
	1.0185 $1.0370$	31.370 32.605	1.0370		1.0556	33.049 34.309	1.0741	33.926 $35.198$		34.827 36.111	
	7 15 22 30	2000	- Y. C. C. C. C.	July Viller	1.0741	100 mm	10 Care 4 a 1	Contract Contract	THE TAX		
	1.0556 $1.0741$	33.864 35.148	1.0741	34.716 36.012	1.0926		$1.1111 \\ 1.1296$	36.494 37.815		37.420 38.753	
	1.0926	36.457	1.1111	37.333	1,1111	38.235		39,160		40.111	
	1.1111	87.790	1.1296	38.679	1.1481	39.593	1.1667	40.531		41.494	
	1.1296	39.148		40.049		40.975		41,926		42.901	
_				3111	15-1-1		1000			-	_
	1	1	1	2	1	3	1	4	1.	5	

0 1 2 3 4 4 5 6 7 8 9 10 11 2 13 14 15 16 17 18	Mult 2963 - 3148 - 3333 - 3519 - 3704 - 3889 - 4074 - 4259 - 4444 - 4630 - 4815 - 5000 - 5185 - 5370 - 5556 - 5741 - 5926 - 6111 - 6296	Add.  3.160 3.370 3.605 3.864 4.148 4.457 4.790 5.148 5.531 5.938 6.370 6.827 7.309 7.815 8.346 8.901 9.481	Mult.  .3148 .3333 .3519 .3704 .3889 .4074 .4259 .4444 .4630 .4815 .5000 .5185 .5370 .5556	Add.  3.568 3.790 4.037 4.309 4.605 4.926 5.272 5.642 6.037 6.457 6.901 7.370 7.864	Mult.  .3333 .3519 .3704 .3889 .4074 .4259 .4144 .4630 .4815 .5000 .5185 .5370 .5556	4.000 4.234 4.494 4.778 5.086 5.420 5.778 6.160 6.568 7.000 7.457 7.938	Mult.  .3519 .3704 .3889 .4074 .4259 .4444 .4630 .4815 .5000 .5185 .5370	Add.  4.457 4.704 4.975 5.272 5.593 5.938 6.309 6.704 7.123 7.568 8.037	Mult.  .3704 .3889 .4074 .4259 .4444 .4630 .4815 .5000 .5185 .5370 .5556	Add. 4.938 5.198 5.481 5.790 6.123 6.481 6.864 7.272 7.704 8.160 8.642	2 3 4 5 6 7 8 9
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	.3148 .3333 .3519 .3704 .3889 .4074 .4259 .4414 .4630 .4815 .5000 .5185 .5370 .5556 .5741 .5926 .6111	3.370 3.605 3.864 4.148 4.457 4.790 5.148 5.531 5.938 6.370 6.827 7.309 7.815 8.346 8.901	.3333 .3519 .3704 .3889 .4074 .4259 .4444 .4630 .4815 .5000 .5185 .5370 .5556 .5741	3.790 4.037 4.309 4.605 4.926 5.272 5.642 6.037 6.457 6.901 7.370 7.864	.3519 .3704 .3889 .4074 .4259 .4444 .4630 .4815 .5000 .5185	4.234 4.494 4.778 5.086 5.420 5.778 6.160 6.568 7.000 7.457	.3704 .3889 .4074 .4259 .4444 .4630 .4815 .5000 .5185 .5370	4.704 4.975 5.272 5.593 5.938 6.309 6.704 7.123 7.568	.3889 .4074 .4259 .4444 .4630 .4815 .5000 .5185 .5370	5.198 5.481 5.790 6.123 6.481 6.864 7.272 7.704 8.160	1 2 3 4 5 6 7 8 9
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	.3148 .3333 .3519 .3704 .3889 .4074 .4259 .4414 .4630 .4815 .5000 .5185 .5370 .5556 .5741 .5926 .6111	3.605 3.864 4.148 4.457 4.790 5.148 5.531 5.938 6.370 6.827 7.309 7.815 8.346 8.901	.3519 .3704 .3889 .4074 .4259 .4444 .4630 .4815 .5000 .5185 .5370 .5556 .5741	4.037 4.309 4.605 4.926 5.272 5.642 6.037 6.457 6.901 7.370 7.864	.3704 .3889 .4074 .4259 .4444 .4630 .4815 .5000 .5185	4.494 4.778 5.086 5.420 5.778 6.160 6.568 7.000 7.457	.8889 .4074 .4259 .4444 .4630 .4815 .5000 .5185 .5370	4.975 5.272 5.593 5.938 6.309 6.704 7.123 7.568	.4074 .4259 .4444 .4630 .4815 .5000 .5185 .5370	5.481 5.790 6.123 6.481 6.864 7.272 7.704 8.160	2 3 4 5 6 7 8 9
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	. 3519 . 3704 . 3889 . 4074 . 4259 . 4444 . 4630 . 4815 . 5000 . 5185 . 5370 . 5556 . 5741 . 5926 . 6111	3.864 4.148 4.457 4.790 5.148 5.531 5.938 6.370 6.827 7.309 7.815 8.346 8.901	.3704 .3889 .4074 .4259 .4444 .4630 .4815 .5000 .5185 .5370 .5556 .5741	4.309 4.605 4.926 5.272 5.642 6.037 6.457 6.901 7.370 7.864	.3889 .4074 .4259 .4444 .4630 .4815 .5000 .5185	4.778 5.086 5.420 5.778 6.160 6.568 7.000 7.457	.4074 .4259 .4444 .4630 .4815 .5000 .5185 .5370	5.272 5.593 5.938 6.309 6.704 7.123 7.568	.4259 .4444 .4630 .4815 .5000 .5185 .5370	5.790 6.123 6.481 6.864 7.272 7.704 8.160	3 4 5 6 7 8 9
4 5 6 7 8 9 10 11 12 13 14 15 16	.3704 .3889 .4074 .4259 .4444 .4630 .4815 .5000 .5185 .5370 .5556 .5741 .5926 .6111	4.148 4.457 4.790 5.148 5.531 5.938 6.370 6.827 7.309 7.815 8.346 8.901	.3889 .4074 .4259 .4444 .4630 .4815 .5000 .5185 .5370 .5556 .5741	4.605 4.926 5.272 5.642 6.037 6.457 6.901 7.370 7.864	.4074 .4259 .4444 .4630 .4815 .5000 .5185	5.086 5.420 5.778 6.160 6.568 7.000 7.457	.4259 .4444 .4630 .4815 .5000 .5185 .5370	5.593 5.938 6.309 6.704 7.123 7.568	.4444 .4630 .4815 .5000 .5185 .5370	6.123 6.481 6.864 7.272 7.704 8.160	4 5 6 7 8 9
5 6 7 8 9 10 11 12 13 14 15 16	. 3889 . 4074 . 4259 . 4444 . 4630 . 4815 . 5000 . 5185 . 5370 . 5556 . 5741 . 5926 . 6111	4.457 4.790 5.148 5.531 5.938 6.370 6.827 7.309 7.815 8.346 8.901	.4074 .4259 .4444 .4630 .4815 .5000 .5185 .5370 .5556 .5741	4.926 5.272 5.642 6.037 6.457 6.901 7.370 7.864	.4259 .4444 .4630 .4815 .5000 .5185	5.420 5.778 6.160 6.568 7.000 7.457	.4444 .4630 .4815 .5000 .5185 .5370	5.938 6.309 6.704 7.123 7.568	.4630 .4815 .5000 .5185 .5370	6.481 6.864 7.272 7.704 8.160	5 6 7 8 9
5 6 7 8 9 10 11 12 13 14 15 16	. 3889 . 4074 . 4259 . 4444 . 4630 . 4815 . 5000 . 5185 . 5370 . 5556 . 5741 . 5926 . 6111	4.457 4.790 5.148 5.531 5.938 6.370 6.827 7.309 7.815 8.346 8.901	.4259 .4444 .4630 .4815 .5000 .5185 .5370 .5556 .5741	5.272 5.642 6.037 6.457 6.901 7.370 7.864	.4444 .4630 .4815 .5000 .5185	5.778 6.160 6.568 7.000 7.457	.4630 .4815 .5000 .5185 .5370	6.309 6.704 7.123 7.568	.4815 .5000 .5185 .5370	6.864 7.272 7.704 8.160	6 7 8 9
7 8 9 10 11 12 13 14 15 16 17	.4259 .4444 .4630 .4815 .5000 .5185 .5370 .5556 .5741 .5926 .6111	5.148 5.531 5.938 6.370 6.827 7.309 7.815 8.346 8.901	.4444 .4630 .4815 .5000 .5185 .5370 .5556 .5741	5.642 6.037 6.457 6.901 7.370 7.864	.4630 .4815 .5000 .5185	6.160 6.568 7.000 7.457	.4815 .5000 .5185 .5370	6.704 7.123 7.568	.5000 .5185 .5370	7.272 7.704 8.160	8 9
8 9 10 11 12 13 14 15 16	.4444 .4630 .4815 .5000 .5185 .5370 .5556 .5741 .5926 .6111	5.531 5.938 6.370 6.827 7.309 7.815 8.346 8.901	.4630 .4815 .5000 .5185 .5370 .5556 .5741	6.037 6.457 6.901 7.370 7.864	.4815 .5000 .5185 .5370	6.568 7.000 7.457	.5000 .5185 .5370	7.123 7.568	.5185 .5370	7.704 8.160	8 9
8 9 10 11 12 13 14 15 16	.4444 .4630 .4815 .5000 .5185 .5370 .5556 .5741 .5926 .6111	5.938 6.370 6.827 7.309 7.815 8.346 8.901	.4815 .5000 .5185 .5370 .5556 .5741	6.457 6.901 7.370 7.864	.5000 .5185 .5370	7.000 7.457	.5185 .5370	7.568	.5370	8.160	9
10 11 12 13 14 15 16	.4630 .4815 .5000 .5185 .5370 .5556 .5741 .5926 .6111	6.370 6.827 7.309 7.815 8.346 8.901	.5000 .5185 .5370 .5556 .5741	6.901 7.370 7.864	.5185	7.457	.5370				
11 12 13 14 15 16	.4815 .5000 .5185 .5370 .5556 .5741 .5926 .6111	6.827 7.309 7.815 8.346 8.901	.5185 .5370 .5556 .5741	7.370 7.864	.5370	100000		8.037	.5556	8.642	10
12 13 14 15 16	.5185 .5370 .5556 .5741 .5926 .6111	7.309 7.815 8.346 8.901	.5370 .5556 .5741	7.864		7.938	2000			TO SERVICE	
12 13 14 15 16	.5185 .5370 .5556 .5741 .5926 .6111	7.309 7.815 8.346 8.901	.5556 .5741		. 5556		.5556	8.531	.5741	9.148	
13 14 15 16 17	.5370 .5556 .5741 .5926 .6111	7.815 8.346 8.901	.5556 .5741			8.444	.5741	9.049	.5926	9.679	12
14 15 16 17	.5556 .5741 .5926 .6111	8.346 8.901	.5741	8.383	.5741	8.975	.5926	9.593	.6111	10.235	13
15 16 17	.5741 .5926 .6111	8.901		8.926	.5926	9.531	.6111	10.160	. 6296	10.815	14
16	.5926 .6111		.5926	9.494	.6111	10.111	.6296	10.753	.6481	11.420	15
17	.6111		.6111	10.086	. 6296	10.716	. 6481	11.370	.6667	12.049	16
		10.086	.6296	10.704	. 6481	11.346	.6667	12.012	.6852	12.704	
	. 0290	10.716	.6481	11.346	. 6667	12.000	.6852	12.679	.7037	13.383	
19	2101	11.370	.6667	12.012	. 6852	12.679	.7037	13.370	.7222	14.086	
20	.6481	12.049	.6852	12.704	.7037	13.383	.7222	14.086	.7407	14.815	
- 1	3650	the state of the state of		13.420	.7222	14.111	.7407	14.827	.7593	15.568	
21	.6852	12.753	.7037			14.864	.7593	15.598	.7778	16.346	
22	.7037	13.481	.7222	14.160	.7407			16.383	.7963	17.148	
23	.7222	14.235	.7407	14.926	.7593	15.642	.7778		.8148	17.975	
24	.7407	15.012	.7593	15.716	.7778	16.444 17.272	.7963 .8148	17.198 18.037	.8333	18.827	
25	.7593	15.815	.7778	16.531	.7963	100000	45.00	to The state of	15 (20)	200	
26	.7778	16.642	.7963	17.370	.8148	18.123	.8333	18.901	.8519	19.704	
27	.7963	17.494	.8148	18,235	. 8333	19.000	.8519	19.790	.8704	20.605	
28	.8148	18.370	.8333	19.123	.8519	19.901	.8704	20.704	.8889	21.531	
29	. 8333	19,272	.8519	20.037	.8704	20.827	.8889	21.642	.9074	22.481	20
30	.8519	20,198	.8704	20,975	.8889	21.778	.9074	22,605	.9259	23.457	
31	.8704	21.148	.8889	21.938	.9074	22.753	.9259	23,593	.9444	24.457	
32	.8889	22.123	.9074	22,926	. 9259	23.753	.9444	24.605	.9630	25.481	
33	.9074	23.123	. 9259	23.938	.9444	24.778	.9630	25.642	.9815	26.531	
34	.9259	24.148	.9444	24.975	.9630	25.827	.9815		1.0000	27.605	
35	.9444	25.198	.9630	26.037	.9815	26.901		27.790	100000000000000000000000000000000000000	28.704	
36	.9630	26.272	.9815	27.123	1.0000	28.000	1.0185		1.0370	29.827	
37	.9815	27.370	1.0000	28.235	1.0185	29.123	1.0370	30.037	1.0556	30.975	37
38 1	0000	28, 494	1.0185	29.370	1.0370	30.272	1.0556	31,198	1.0741	32.148	
	.0185	29.642	1.0370	30.531	1.0556	31.444	1.0741	32.383	1.0926	33.346	
	1.0370	30.815	1.0556	31.716	1.0741	32.642	1.0926	33.593	1.1111	34.568	40
	1.0556	32.012	1.0741	32,926	1.0926	33.864	1.1111	34.827	1.1296	35.815	41
	1.0741	33, 235	1.0926	34.160	1.1111	35.111		36.086		37.086	42
	1.0926	34, 481	1.1111		1.1296	36,383		37.370	1.1667	38.383	43
	1.1111		1.1296	36.704	1.1481	37.679			1.1852	39.704	
	1.1296		1.1481	38.012	1.1667	39.000		40.012		41.049	45
	1.1481		1.1667	39.346	1.1852	40.346	1.2047	41.370	1.2222	42.420	46
	1.1667	39.716		40.704		41.716		42.753		43.815	47
18	1.1852	41.086			1.2222	43,111		44,160		45.235	
	1.2047		1.2222	43,494			1.2593	45.593		46.679	
	1.2222	43,901		44.926		45.975		47.049		48.148	
		20.001		44.7			-	122		-	_
	1	6	1	7	1	8	1	9	2	0	

TABLE XLIX.—BASE 1.—SLOPES 1 to 1.

1	2	1	2	2	.2	23	2	4	2	5	
Feet.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Peet.
0	.3889	5.444	. 4074	5.975	.4259	6.531	.4444	7.111	.4630	7.716	1
1	.4074	5.716	.4259	6.259	.4444	6.827	.4630	7.420	.4815	8.037	
2	.4259	6.012	.4444	6.568	.4630	7.148	.4815	7.753	.5000	8.383	
3	.4444	6.333	.4630	6.901	.4815	7.494	.5000	8.111	.5185	8.753	1
4	.4630	6.679	.4815	7.259	.5000	7.864	.5185	8.494	.5370	9.148	1
5	.4815	7.049	.5000	7.642	.5185	8.259	.5370	8.901	.5556	9.568	
6	.5000	7.444	.5185	8.049	.5370	8.679	. 5556	9.333	.5741	10.012	
7	.5185	7.864	.5370	8,481	.5556	9.123	.5741	9.790	.5926	10.481	
8	.5370	8.309	. 5556	8.938	.5741	9.593	.5926	10,272	.6111	10.975	
9	.5556	8.778	.5741	9.420	.5926	10.086	. 6111	10.778	.6296	11.494	
0	.5741	9.272	.5926	9.926	.6111	10.605	. 6296	11.309	. 6481	12.037	
1	.5926	9.790	.6111	10.457	. 6296	11.148	. 6481	11.864	200		
2	.6111	10.333	.6296	11.012	.6481	11.716	.6667	12.444	.6667	12.605 13.198	
3	. 6296	10.901	.6481	11.593	.6667	12.309			. 6852		
4	. 6481	11.494	.6667	12.198	.6852	12.926	. 6852	13.049	.7037	13.815	
		12.111	.6852				.7037	13.679	.7222	14.457	
5	. 6667	100000	100000000000000000000000000000000000000	12.827	.7037	13.568	.7222	14.333	.7407	15.123	13
6	. 6852	12.753	.7037	13,481	.7222	14.235	.7407	15.012	.7593	15.815	1
7	.7037	13.420	.7222	14.160	.7407	14.926	.7593	15.716	.7778	16.531	
8	.7222	14.111	.7407	14,864	.7593	15.642	.7778	16.444	.7963	17.272	
9	.7407	14.827	.7593	15.593	.7778	16.383	.7963	17, 198	.8148	18.037	1
0	.7593	15.568	.7778	16,346	.7963	17.148	.8148	17.975	.8333	18,827	2
1	.7778	16.333	.7963	17.123	.8148	17.938	.8333	18.778	.8519	19.642	2
2	.7963	17.123	.8148	17.926	.8333	18.753	.8519	19.605	.8704	20,481	
3	.8148	17.938	.8333	18.753	.8519	19,593	.8704	20.457	.8889	21.346	
4	.8333	18.778	.8519	19.605	.8704	20.457	.8889	21.333	.9074	22.235	
5	.8519	19.642	.8704	20.481	.8889	21.346	.9074	22.235	.9259	23.148	
6	.8704	20.531	.8889	21.383	.9074	22,259	. 9259	23.160	.9444	24.086	1
7	.8889	21.444	.9074	22.309	.9259	23, 198					
8	.9074	22.383	.9259	23.259	.9444	24.160	. 9444	24.111	.9630	25.049	
9	.9259	23.346	.9444	24.235	.9630	25.148	.9630	25.086 $26.086$	. 9815	26.037	
0	.9444	24.333	1200			26.160			1.0000	27.049	
- 1	10.00		.9630	25,235	.9815	79-1-55	1.0000	27.111	1.0185	28.086	-
1	.9630	25.346	.9815	26.259	1.0000	27.198	1.0185	28.160	1.0370	29.148	
2	.9815	26.383		27.309	1.0185		1.0370	29.235	1.0556	30.235	
	1.0000	27.444		28,383	1.0370	29.346	1.0556	30.333	1.0741	31.346	
	1.0185	28.531		29.481	1.0556	30.457		31.457	1.0926	32,481	
5	1.0370	29.642	1.0556	30.605	1.0741	31.593	1.0926	32.605	1,1111	33,642	3
6	1.0556	30.778	1.0741	31.753	1.0926	32.753	1.1111	33.778	1.1296	34.827	3
7	1.0741	31.938	1.0926	32.926	1.1111	33.938	1.1296	34,975	1.1481	36.037	
8	1.0926	33.123		34, 123	1.1296	35.148	1.1481	36, 198	1.1667	37.272	
9	1.1111	34.383	1.1296	35.346	1.1481		1.1667	37.444	1.1852	38.531	
0	1.1296	35.568		36.593	1.1667	37.642		38.716	1.2047	39,815	
1	1.1481	36.827	1 1667	37.864	1.1852	38,926	1.2047	40.012	1.2222	41.123	т.
	1.1667	38.111		39.160	1.2047	40.235	1.2222	41.333	1.2407	42.457	
	1.1852	39.420		40.481	1.2222	41.568		42.679	1.2593	43,815	
	1.2047	40.753		41.827	1.2407	42.926	1.2593	44.049	1.2778	45, 198	
	1.2222	42.111		43.198	1.2593	44.309	1.2778	45.444	1.2963	46,605	
- 1		No more	200 3000	12.00	And the second	4 4 4 4	24 (20)	10.37 7550	2000		1
	1.2407	43.494		44.593	1.2778		1.2963		1.3148	48.037	
	1.2593	44.901		46.012	1.2963	47.148		48.309	1.3333	49,494	
	1.2778	46.333		47.457	1.3148	48.605		49.778	1.3519	50.975	
-1	1.2963	47.790			1.3333	50.086		51.272	1,3704	52,481	
U	1.3148	49.272	1.3333	50.420	1.3519	51.593	1.3704	52.790	1,3889	54.012	5
1		-				3					-
- 1		1	9	2	9	3	9	4		25	1

Poot.	Mult.	F 475 2	-								
0		Add.	Mult.	Add.	Mult.	Add.	Mult.	Add	Mult.	Add.	Post.
	.4815	8.346	.5000	9.000	.5185	9,679	.5370	10.383	.5556	11.111	0
1	.5000	8.679	.5185	9.346		10.037	.5556	10.753	.5741	11.494	
2	.5185	9,037	.5370	9.716	.5556	10.420	.5741	11.148	.5926	11,901	2
3	.5370	9.420	.5556	10.111	.5741	10.827	.5926		.6111	12.333	3
4	.5556	9.827	.5741	10,531	.5926	11.259	.6111		. 6296	12.790	
5	.5741	10.259	.5926	10.975	.6111	11.716	. 6296	12,481	. 6481	13.272	5
6	. 5926	10.716	.6111	11.444	.6296	12.198	. 6481	12.975	.6667-	13.778	
7	.6111	11.198	. 6296	11.938	. 6481	12.704	. 6667	13.494	. 6852	14.309	7
8	.6296	11.704	. 6481.	12.457	. 6667.	13.235	. 6852	14.037	.7037	14.864	
9	. 6481	12.235	. 6667	13.000	. 6852	13.790	.7037	14.605	.7222	15.444	9
10	. 6667	12.790	. 6852	13.568	.7037	14.370	.7222	15.198	.7407	16.049	10
11	. 6852	13.370	.7037	14.160	.7222	14.975	.7407	15.815	. 7593	16.679	11
12	.7037	13.975	.7222	14.778	.7407	15.605	.7593	16.457	.7778	17.333	
13	.7222	14.605	.7407	15.420	.7593	16,259	.7778	17.123	.7963	18.012	
14	.7407	15.259	.7593	16.086	.7778	16,938	.7963	17,815	.8148	18.716	
15	.7593	15.938		16.778	.7963	17.642	.8148	18.531	. 8333	19.444	1000
2.1	2000		The state of	Dr. mar Van I	500.000	A 200 C	1 3 3 3 4 3 1	200	1 10 10 10 10		1.00
16	.7778	16.642	.7963	17.494	.8148	18.370	.8333	19.272	.8519	20.198	
17	.7963	17.370	.8148	18.235	.8333	19.123	. 8519	20.037	. 8704	20.975	
18	.8148	18, 123	.8333	19.000	.8519	19.901	.8704	20.827	.8889	21.778	
19	. 8333	18.901	.8519	19.790	.8704	20.704	.8889	21.642	.9074	22.605	
20	.8519	19.704	.8704	20.605	.8889	21.531	.9074	22.481	.9259	23.457	0.3
21	.8704	20.531	. 8889	21.444	.9074	22.383	.9259	23.346	.9444	24.333	
22	.8889	21.383	.9074	22.309	. 9259	23,259	.9444	24.235	.9630	25.235	
23	.9074	22.259	. 9259	23.198	.9444	24.160	.9630	25.148	.9815	26.160	
24	.9259	23,160	.9444	24.111	.9630	25.086	.9815	26.086	1.0000	27.111	24
25	.9444	24.086	.9630	25.049	.9815	26.037	1.0000	27.049	1.0185	28.086	25
26	.9630	25.037	.9815	26.012	1.0000	27.012	1.0185	28.037	1.0370	29.086	26
27	.9815	26.012	1.0000		1.0185	28.012		29.049		30,111	
	1.0000		1.0185	28.012	1.0370	29.037		30.086	of the second second	31.160	
	1.0185	28.037	1.0370	29.049	1.0556	30.086		31.148		32.235	
	1.0370	29.086		0.000	1.0741	31.160		From the second	1.1111	33.333	
	200	The second second	No to form	10.000000	0.45000	A STATE OF THE STATE OF	TY SEE ALL	CONT. AND LINE	: Living	84.457	17.7
	1.0556	30.160	1.0741		1.0926	32.259		33.346	1.1296		
	1.0741	31.259			1.1111	33.383		34.481		35.605 36.778	
	1.0926	32.383		33.444		34.531		35.642		37.975	
	1.1111	83.531		34.605	the state of the s	35.704			1.1852	39, 198	
35	1.1296	34.704		35.790	1.000		1.1852	38.037	2000000		
36	1.1481	35.901	1.1667		1.1852	38.123		39.272		40.444	
37	1.1667	37.123		38.235	1.2047	100.00000000000000000000000000000000000	1.2222		1.2407	41.716	
38	1.1852	38.370	1.2047	39.494		40.642		41.815		43.012	
39	1.2047	39.642	1.2222	40.778			1.2593	43.123	1.2778	44.883	
10	1.2222	40.938	1.2407	42.086	1.2593	43,259	1.2778	44.457	1.2963	45.679	40
11	1.2407	42.259	1.2593	43.420	1.2778	44.605	1.2963	45.815	1.3148	47.049	41
	1.2593		1.2778	44.778	1.2963		1.3148		1.3333	48.444	
	1.2778		1.2963		1.3148	100000000000000000000000000000000000000	1.3333	48.605	1.3519	49.864	
	1.2963		1.3148	47.568	1.3333		1.3519	50.037		51.309	
	1.3148	47.790	9 10 5 5 5 4	49.000			1.3704	51.494	1.3889	52.778	
	1000	DOM: NO 25/2011	0.0000000000000000000000000000000000000	50.457	1.3704	San Artist All	1.3889	52.975	100000000000000000000000000000000000000	54.272	
	1.8333	49.235	1.3704	51.938	1.3889		1.4074	54.481		55.790	
	1.3519	the transfer of the	200000000000000000000000000000000000000	53.444			1,4259	56.012		57.333	
	1.3704	52.198		54.975			1.4444	57.568		58.901	
	1.3889	55.716		56,531			1.4630	59.148		60.494	
90	1.4074	55.209	1.4259	00,001	1. 1111	01.021	1,4000	00,140	1.4010	50. 202	-
				_			_	0		0	
	. 2	6	2	7	2	8	2	9	3	0	

	3	1	3	32	3	3	3	4	3	5	
Feet.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Mult,	Add.	Feet.
0	.5741	11.864	.5926	12.642	. 6111	13.444	. 6296	14.272	. 6481	15.123	0
1	.5926	12,259	.6111	13.049	. 6296	13.864	. 6481	14.704	.6667	15.568	
2	.6111	12.679	.6296	13.481	. 6481	14.309	1000	15.160	. 6852	16.037	
3	. 6296	13.123	. 6481	13,938	.6667	14.778	. 6852	15.642	.7037	16.531	1 8
4	. 6481	13.593	.6667	14.420	. 6852	15.272		16.148	.7222	17.049	
5	.6667	14,086	. 6852	14.926	.7037	15.790	.7222	16.679	.7407	17.593	E
6	. 6852	14.605	.7037	15.457	.7222	16.333	.7407	17.235	.7593	18,160	1
7	.7037	15, 148	.7222	16.012	.7407	16.901	.7593	17.815	.7778	18.753	7
8	.7222	15.716	.7407	16.593	.7593	17.494	.7778	18.420	.7963	19.370	8
9	.7407	16,309	.7593	17.198	.7778	18.111	.7963	19.049	.8148	20.012	5
10	.7593	16.926	.7778	17.827	.7963	18.753	.8148	19.704	. 8333	20.679	10
11	.7778	17.568	.7963	18.481	.8148	19.420	. 8333	20.383	.8519	21.370	111
12	.7963	18.235	.8148	19.160	. 8333	20,111	.8519	21.086	.8704	22.086	
13	.8148	18.926	.8333	19.864	.8519	20.827	.8704	21.815	.8889	22.827	
14	0000	19.642	.8519	20.598	.8704	21.568	.8889	22.568	.9074	23.598	
15	.8519	20.383	.8704	21.346		22.333	.9074	23.346	.9259	24.383	
16	.8704	21.148	.8889	22.123	1	23.123	arren 6	24.148	.9444	25.198	1
17		21.938		22.926	.9259	23.938		24.146	.9630	26.037	
18		22.753	.9259	23.753		24.778		25.827	.9815	26.901	
19	0.000	28.598		24.605	.9630	25.642	.9815		1.0000	27.790	
20	.9444	24.457	.9630	25.481	.9815		1.0000		1.0185	28.704	
7.0	100000	The second	3 4 4 4 4 4 4 4 4	100000000000000000000000000000000000000	1000		2.33.37.72		Bank 10 12		100
21		25.346			1.0000		1.0185		1.0370	29.642	
22		26.259		27.309	1.0185		1.0370		1.0556	30.605	
	1.0000		1.0185		1.0370	1000	1.0556	30.457		31.593	
	1.0185		1.0370	29.235	1.0556		1.0741		1.0926	32.605	
	1.0370	100000000000000000000000000000000000000	1.0556	30,235	C. 18 11-11	W. W. W. W.	1.0926	32.481	1.1111	33.642	20
	1.0556		1.0741		1.0926	32,383	1.1111	33,531	1,1296	34,704	
	1.0741		1.0926		1.1111		1.1296	34.605		35.790	
	1.0926		1.1111	33.383			1.1481	35.704		36.901	
	1.1111		1.1296		1.1481		1,1667	36.827	1.1852	38.037	
30	1.1296	34.457	1,1481	35.605	1.1667	36.778	1.1852	37.975	1.2047	39.198	30
31	1.1481	35.593	1.1667	36.753	1.1852	37.938	1.2047	39,148	1,2222	40.383	31
	1.1667		1.1852	37.926	1.2047	39.123	1.2222	40.346	1.2407	41.598	32
	1.1852	37.938	1.2047	39.123	1.2222	40.333	1.2407	41.568	1.2593	42.827	33
	1.2047	39.148	1.2222	40.346	1.2407	41.568	1.2593	42.815	1.2778	44.086	34
35	1.2222	40.383	1.2407	41.593	1.2593	42.827	1.2778	44.086	1,2963	45,370	35
36	1.2407	41.642	1.2598	42.864	1.2778	44.111	1.2963	45,383	1.3148	46,679	36
37	1.2593	42.926	1.2778	44.160			1.3148		1.3333	48.012	
38	1.2778	44.235	1.2963	45.481	1.3148		1.3333		1.3519	49.370	
39	1.2963	45.568	1.3148	46.827	1.3333		1.3519		1.3704	50.753	
40	1.3148	46.926	1.3333	48.198	1.3519	49.494	1.3704	50.815		52.160	
41	1.3333	48, 309	1.3519	49.598	1.3704	50 901	1.3889	52,235	1.4074	53.598	41
	1.3519		1.3704	51.012	1.3889		1.4074	53.679	1.4259	55.049	
	1.3704		1.3889	52.457	1.4074	Control Control of	1.4259	55.148		56.531	
	1.3889		4.4074	53.926			1.4444	56.642		58.037	
	1,4074		1.4259	55.420	1.4444	56.778	1.4630	58.160	1.4815	59.568	
	1.4259		1.4444	56,938	1.4630	58.309	0.000	1.00	5, 45007		100
	1.4444		1.4630	200	1.4815		7	59.704	1.5000	61.123	
	1.4630		1.4815	60.049			1.5000	61.272		62.704	
	1.4815	60.259		61,642			1.5185		1.5370	64.309	
	1.5000		1.5185		1.5370		1.5370	64.481 $66.123$		65.938 67.593	
_			2,5200		2,55,0	21.010	2.0000	30,120		01.000	_
	3	1	3	2	3	3	2	4	3	5	1

TABLE XLIX.—BASE 1.—SLOPES 1 to 1.

- [	3	6	3	7	3	8	3	9	4	0	
Fret.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Pest.
0	. 6667	16,000	. 6852	16,901	.7037	17.827	.7222	18.778	.7407	19.753	
1	. 6852	16.457	,7037	17.370	.7222	18,309	.7407	19.272	.7593	20,259	
2	.7037	16.938	,7222	17.864	.7407	18.815	. 7593	19.790	.7778	20.790	
3	.7222	17.444	.7407	18.383	.7593	19.346	.7778	20.333	.7963	21.346	-
4	.7407	17.975	.7598	18.926	.7778	19.901	.7963	20.901	.8148	21.926	
5	.7593	18.531	.7778	19,494	.7963	20.481	.8148	21.494	. 8333	22.531	5
6	.7778	19.111	.7963.	20.086	.8148	21.086	.8333	22, 111	.8519	23.160	6
7	.7963	19.716	. 8148	20.704	.8333	21.716	.8519	22.753	.8704	23.815	7
8	.8148	20.346	. 8333	21,346	.8519	22.370	.8704	23,420	.8889	24.494	8
9	. 8333	21.000	. 8519	22,012	.8704	23.049	.8889	24.111	.9074	25.198	9
101	. 8519	21.679	.8704	22.704	.8889	23.753	.9074	24.827	.9259	25.926	10
11	.8704	22.383	.8889	23,420	.9074	24.481	.9259	25.568	.9444	26.679	11
12	.8889	23.111	.9074	24,160	.9259	25.235	.9444	26.333	.9630	27.457	
13	.9074	23.864	.9259	24.926	.9444	26.012	.9630	27.123	.9805	28.259	
14	.9259	24.642	.9444	25.716	.9630	26.815	.9815	27.938	1.0000	29.086	
15	.9444	25.444		26.531	.9815		1.0000	28.778	1.0185	29.938	
16	.9630	26.272	100	554050	11000.75		F 340 5 3		21,220,277	COLD TO THE O	
17			.9815	27.370	1.0000		1.0185	29.642		30.815	
	.9815	27.123	1.0000	28.235	1.0185		1.0370	30.531	1.0556	31.716	
	1.0000	28.000	1.0185		1.0370		1.0556	31.444	1.0741	32.642	
	1.0185	28,901	1.0370	30.037	1.0556		1.0741		1.0926		
- 1	1.0370	29,827	1.0556	11-11-11-11-11-11-11-11-11-11-11-11-11-	1.0741		1.0926	33.346	1.1111	34.568	100
	1,0556		1.0741		1.0926		1.1111	34.333	1.1296	35.568	
	1.0741		1.0926	32.926			1.1296	35.346		36.593	
	1.0926	32,753	1,1111		1.1296	35.148	1.1481	36,383	1.1667	37.642	
	1.1111		1.1296	34,975			1.1667	37.444		38.716	
25	1,1296	34.827	1,1481	36.037	1.1667	37,272	1.1852	38,531	1.2047	39.815	25
26	1.1481	35,901	1,1667	37, 123	1.1852	38.370	1.2047	39.642	1.2222	40.938	26
	1.1667	37.000		38, 235			1.2222		1.2407	42.086	
	1.1852	38, 123		39.370		40.642			1.2593	43.259	
	1.2047		1.2222	40.531			1.2593		1.2778	44.457	
	1,2222	40.444		41.716		43,012			1.2963	45.679	
21	1.2407	41.642	7	42,926	ST TLE		1.2963		1,3148	16.201603	1
	1.2593	42.864		44.160		45.481			1,3333	48.198	
	1.2778	44,111		45.420			1.3148		1.3519	49.494	
	1.2963	45.383	1.3148		1.3333		1.3519		1.3704		
	1.3148	46.679	1.3333	48.012			1.3704		1.3889	52.160	
- 1	200	Section 1	VI A ACA		to the second	The second second	100000		100000000000000000000000000000000000000		
	1.3333	48.000	1.3519	49.346			1.3889		1.4074	53.531	
	1.3519	49.346		50.704			1.4074		1.4259	54.926	
	1.3704		1.3889	52.086		53.481			1.4444	56.346	
	1.3889	52.111	1.4074		1.4259		1.4444		1.4630	57.790	
10	1,4074	53.531	1.4259	54.926	1.4414	56.346	1.4630	57.790	1.4815	59.259	40
11	1.4259	54.975	1.4444	56.383	1.4630	57.815	1.4815	59.272	1.5000	60.753	41
12	1.4444			57.864			1.5000		1.5185	62.272	42
	1.4630	57,938	1.4815	59,370	1.5000	60.827	1.5185	62.309	1.5370	63.815	43
	1.4815	59.457	1.5000		1.5185	62.370	1.5370	63.864	1.5556	65.383	44
lă	1.5000	61.000	1.5185		1.5370	63,938	1.5556	65,444	1.5741	66.975	45
16	1.5185	62.568	1.5370		1.5556		1.5741		1.5926	Participa	46
	1.5370	64.160	1.5556	65.642	1.5741		1.5926		1.6111	70.235	
	1.5556		1.5741		1.5926		1,6111		1.6296	71.901	
	1,5741		1.5926	68.926			1.6296		1.6481	73,593	
	1.5926			70.605					1.6667		
-			-					2-13,5			-
- 1	3	6	3	7	3	8	3	9	4	10	

ı	- 4	11	4	2	- 4	13	, 4	14	4	15	
Feet.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Feet.
0	.7593	20,753	.7778	21.778	.7963	22.827	.8148	23.901	. 8333	25.000	0
1	.7778	21,272	.7963	22.309	.8148	23,370	.8333	24.457	.8519	25.568	
2	.7963	21.815	.8148	22.864	. 8333	23,938	.8519	25.037	.8704	26.160	
3	.8148	22,383	.8333	23.444	.8519	24.531	.8704	25.642	.8889	26.778	
4	.8333	22.975	.8519	24.049	.8704	25.148	.8889	26.272	.9074	27.420	4
5	.8519	23,593	.8704	24.679	.8889	25.790	.9074	26,926	.9259	28.086	1
6	.8704	24.235	.8889	25.333	.9074	26.457	.9259	27.605	.9444	28.778	
7	.8889	24.901	.9074	26.012	.9259	27.148	.9444	28.309	.9630	29.494	3
8	.9074	25.593	.9259	26.716	.9444	27.864	.9630	29.037	.9815	30.235	
9	.9259 $.9444$	26.309	.9444	27,444	.9815	28,605	1.0000	29.790 30.568	1.0000	31.000	
0	1.000000	27.049	1000000	28.198	0.00000		W. Carlotte		1.0185	31.790	1
1	.9630	27.815	.9815		1.0000		1.0185	31.370	1.0370	32,605	
	.9815	28.605	10.00	10.4 % 6.6	1.0185		1.0370	32.198	1.0556	33,444	
	1.0000 $1.0185$	29,420 $30,259$		30.605 $31.457$	1.0370		1.0556 $1.0741$	33.049	1.0926	34,309 35,198	
	1.0370	31.123			1.0741		1.0926	34.827	1.1111	36.111	
(10)	The second of	PARCOUNTS A	2 0 0 0 0 0 0		A (100 and 1)	145 Y 17 15 15 15 15 15 15 15 15 15 15 15 15 15	5000	2.00	C2 / W		
	1.0556	32.012			1.0926	34.481	1,1111	35.753	1.1296	37.049	
	1.0741	32.926 33.864		$34.160 \\ 35.111$		36.383	1.1296	36.704 37.679	1.1481 $1.1667$	38.012 39.000	
	1.0926 $1.1111$	34.827	1.1296	36.086			1.1667	38.679	1.1852	40.012	
	1.1296	35.815	1.1481	37.086	1.1667	38.383	13712355	39.704	1.2047	41.049	
	100000000000000000000000000000000000000	200000	J. S. S. V. V.	15.00	5	10.11 X 11.12	100000000000000000000000000000000000000		1 2 3 3 3 3 3		100
	1.1481		1.1667 $1.1852$	38.111	1.1852 $1.2047$		1.2047	40.753 $41.827$	1.2222 $1.2407$	42.111	
	1.1667 $1.1852$	38.926		40.235	1.2222	40.481 $41.568$		42.926	1.2593	43.198	
	1.2047	40.012	1.2222	41.333	1.2407	42.679	1.2593	44.049	1.2778	45.444	
	1.2222	41.123		42.457	1.2593	43.815		45.198	1.2963	46.605	
	776 WHT	2.8 2.8 3	Commence of the	1	1.2778	10 To 10 To 10	1,2963	DOOR SHOP	100000	47.790	
	1.2407 $1.2593$	43,420	1.2593	43.605 $44.778$	1.2963	44,975 46,160	1.3148	46.370 $47.568$	1.3148 $1.3333$	49.000	
	1.2778	44.605		45.975	1.3148		1.3333	48.790	1.3519	50.235	
	1.2963	45.815		47.198	1.3333	48.605		50.037	1.3704	51.494	
	1.3148	47.049	9/1/2/2/2021	48,444	1.3519	49.864	1.3704	51.309	1.3889	52.778	
10	1.3333	48,309	100000000000000000000000000000000000000	49.716	1.3704	200	1.3889	52.605	1.4074	54.086	1
	1.3519	49.593		51.012	1.3889	52.457		53.926	1.4259	55.420	
	1.3704	50.901	1.3889	52.333	1.4074		1.4259	55.272	1.4444	56.778	
	1.3889	52.235		53.679	1.4259		1.4444	56.642	1.4630	58.160	
	1.4074	53.593	1.4259	55.049	1.4444	56.531	1.4630	58.037	1.4815	59.568	
	1.4259	54.975	1.4444	56.444	1.4630	A CONTRACTOR	1.4815	59.457	1.5000	61.000	100
	1.4444		1.4630	57.864	1.4815		1.5000	60.901	1.5185	62.457	
	1.4630	57.815	1.4815	59.309	1.5000	60,827	1.5185	62.370	1.5370	63.938	
	1.4815	59.272	1.5000	60.778	1.5185	62,309	1.5370	63.864	1.5556	65.444	39
10	1.5000	60.753	1.5185	62.272	1.5370	63.815	1.5556	65.383	1.5741	66.975	4(
1	1.5185	62.259	1.5370	63.790	1.5556	65.346	1.5741	66.926	1.5926	68.531	4
	1.5370		1.5556	65.333	1.5741		1.5926		1.6111	70.111	
	1.5556	65.346			1.5926		1.6111		1.6296	71,716	
	1.5741	66.926	1.5926	68.494	1.6111		1.6296	71.704	1.6481	73.346	
15	1.5926	68.531	1.6111	70.111	1.6296	71.716	1.6481	73.346	1.6667	75.000	4
16	1.6111	70.160	1.6296	71.753	1.6481	73.370	1.6667	75.012	1.6852	76.679	4
	1,6296	71.815		73.420	1.6667		1.6852	76.704	1.7037	78.383	
18	1.6481	73.494		75,111	1.6852	76.753		78,420		80.111	
	1.6667		1.6852	76.827			1.7222	80.160		81.864	
0	1.6852	76.926	1.7037	78.568	1.7222	80.235	1.7407	81,926	1.7593	83.642	5
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	/	1	4	2	4	3	1	4	4	5	1

1	4	6	4	7	4	18	4	9	5	10	
Prest.	Mult.	Add	Mult.	Add	Mult.	Add	Mult.	Add.	Mult.	Add.	Feet.
0	.8519	26.123	.8704	27.272	.8889	28,444	.9074	29.642	.9259	30.864	0
1	.8704	26.704	.8889	27.864	.9074	29.049	.9259	30.259	.9444	31.494	1
2	.8889	27.309	.9074	28.481	.9259	29.679	.9111	30.901	.9630	32.148	2
3	.9074	27.938	.9259	29.123	.9444	30.333	.9630	31.568	.9815	32.827	3
4	.9259	28.593	.9444	29.790	.9630	31.012	. 9815	32.259	1.0000	33.531	4
5		29.272	.9630	30.481	.9815	31.716	1.0000	32.975	1.0185	34.259	5
6	.9630	29.975	.9815	31.198	1.0000	32.444	1.0185	33.716	1.0370	35.012	6
7	.9815		1.0000		1.0185		1.0370	34.481	1.0556	35.790	
	1.0000		1.0185		1.0370			35.272	1.0741	36.593	
	1.0185	32.235	1.0370			34.778				37.420	
- 1	1.0370		1.0556		1.0741		1.0926			38.272	
53					1000000						150
101	1.0556		1.0741	35.148		36.457		37.790	1.1296	39.148	
	1.0741		1.0926		1.1111		1.1296			40.049	
	1.0926		1.1111		1.1296		1.1481			40.975	
	1.1111		1.1296	37.815			1.1667		A CALL	41.926	
15	1.1296	37.420	1.1481	38.753	1		1.1852			42.901	
16	1.1481	38.370	1.1667	39.716	1.1852		1.2047		1.2222	43.901	16
17	1.1667	39.346	1.1852	40.704	1.2047		1.2222			44.926	17
18	1.1852	40.346	1.2047	41.716	1.2222		1.2407			45.975	18
19	1.2047	41.370	1.2222	42.753	1.2407		1.2593			47.049	19
20	1.2222	42,420	1.2407	43.815	1.2593	45.235	1.2778	46.679	1.2963	48.148	20
11	1.2407	43 494	1.2593	44 901	1.2778	46.333	1.2963	47, 790	1.3148	49.272	21
	1.2593		1.2778	46.012	1.2963		1.3148			50.420	
	1.2778		1.2963		1.3148	48 605	1.3333	50 086	1.3519	51.593	
	1.2963	46.864			1.3333		1.3519			52.790	
	1.3148	48.037		49.494	1.3519		1.3704				
3.0			A 100 TO 100		1. July 1. 3.						1
	1.3333	49.235		50,704			1.3889		1.4074		
	1.3519		1.3704		1.3889		1.4074				
	1.3704		1.3889		1.4074		1.4259				
	1.3889			54.481			1.4444			59.148	
30	1.4074	54.272	1.4259	55.790	1.4444	100000	1.4630			60.494	30
31	1.4259	55.593	1.4444	57.123	1.4630		1.4815		1.5000	61.864	
32	1.4444		1.4630		1.4815		1.5000				
33	1.4630	58.309	1.4815	59.864			1.5185		1.5370		
34	1.4815	59,704	1.5000	61.272	1.5185	62.864	1.5370.		1.5556	66.123	100
35	1.5000	61.123	1.5185	62,704	1.5370	64,309	1.5556	65.938	1.5741	67.593	35
36	1.5185	62.568	1.5370	64.160	1.5556	65.778	1.5741	67.420	1.5926	69.086	36
	1.5370			65.642			1.5926		1.6111	70.605	37
	1.5556		1.5741		1.5926		1.6111			72.148	
	1.5741		1.5926	68.679			1.6296	72.012	1.6481	73.716	39
	1.5926		1.6111		1.6296		1.6481		1.6667	75.309	
111			U con a select		Total Control	107	3 - 3 - 3	3 Year 1	1.6852	76.926	1
	1.6111		1.6296				1.6852	76.827		78.568	
22/	1.6296		1.6481		1.6852		1.7037		1.7222	80.235	
	1.6481		1.6667		1.7037		1.7222		1.7407	81.926	
	1.6667		1.6852				1.7407		1.7593	83.642	
2.1	1.6852	100000000000000000000000000000000000000	1.7037	78.383			P. M. W. W.	ALC: USE	1.60		1
	1.7037		1.7222		1.7407		1.7593		1.7778	85.383	
	1.7222		1.7407	81.815	1.7593		1.7778	85.346	37.20.02	87.148	
18	1.7407;		1.7593		1.7778		1.7963	87, 123		88.938	
19	1.7593		1.7778		1.7963		1.8148		1.8333	90.753	
50	1.7778	85.383	1.7963	87.148	1.8148	88.938	1.8333	90.753	1.8519	92.593	50
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		6		7		8		9		0	

TABLE L.—BASE 1,—SLOPES 11 to 1.

1		1	5	2		3		4		5	
Feet.	Mult.	Add.	Mult.	Add	Mult.	Add.	Mult.	Add.	Mult.	Add.	Feet.
0	.0185	.015	.0370	.062	. 0556	.139	.0741	.247	.0926	.386	-
1	.0370	.046	.0556	.108	.0741	.201	.0926	. 324	,1111	.478	1
2	.0556	.108	.0741	. 185	. 0926	. 293	.1111	. 432	.1296	.602	
3	.0741	.201	.0926	.293	,1111	.417	.1296	.571	.1481	.756	
4	.0926	.324	.1111	. 432	.1296	.571	.1481	.741	,1667	.941	
5	.1111	.478	.1296	.602	.1481	.756		.941	.1852	1.157	
6	.1296	.664	.1481	. 802	.1667	.972	. 1852	1.173	. 2037	1.404	1
7	. 1481	.880	.1667	1.034	.1852	1.219	.2037	1.435	. 2222	1.682	
8	.1667	1.127	.1852	1.296	.2037	1.497	.2222	1.728	2407	1.991	
9	.1852	1.404	.2037	1.590	. 2222	1.806		2.052	.2593	2.330	
10	.2037	1.713	.2222	1.914	.2407	2.145	. 2593	2.407	.2778	2.701	
11	. 2222	2.052	.2407	2.269	.2593	2.514	.2778	2.793	. 2963	3.102	1
12	. 2407	2.423	.2593	2.654	.2778	2.917	. 2963	3.210	.3148	3.534	
13	. 2593	2.824	.2778	3.071	. 2963	3.349		3.657	. 3333	3.997	
14	.2778	3.256	. 2963	3.519	.3148	3.812		4.136	.3519	4.491	
15	. 2963	3.719	.3148	3.997	.3333	4.306		4.645	.3704	5.015	
16	.3148	4.213	. 3333	4.506	. 3519	4.830	10000	5.185	.3889	5.571	1.
17	. 3333	4.740	.3519	5.046	.3704	5.386		5.756	.4074	6.157	
18	.3519	5.293	.3704	5.617	. 3889	5.972	.4074	6.358	.4259	6.775	
19	.3704	5.880	.3889	6.219	.4074	6.590		6.991	.4444	7.423	
20	.3889	6.497	.4074	6.852	.4259	7.238		7.654	.4630	8.102	
21	.4074	7.145	.4259	7.515	.4444	7.917	. 4630	8.349	. 4815	8,812	100
		7.824	.4444	8.210	.4630	8.627	.4815	9.074	.5000	9.552	
22	.4259	8.534	.4630	8.935	.4815	9.367	.5000		.5185		
23	.4444							9.830		10.324	
24 25	.4630	9.275	. 4815	9.691	.5000	10.139 $10.941$	.5185	10.617 $11.435$	.5370	11.127	
	20758 5 1	200 2000					1000		100000000000000000000000000000000000000		1
26	.5000	10.849	.5185	11.296	.5370	11.775	.5556	12.284	.5741	12.824	
27	.5185	11.682	.5370	12.145	.5556	12.639	.5741	13.164	.5926	13.719	
28	.5370	12.546	.5556	13.027	.5741	13.534	. 5926	14.074	.6111	14.645	
29	. 5556	13.441	.5741	13.935	,5926	14.460	.6111	15.015	6296	15.602	
30	.5741	14.367	.5926	14.877	.6111	15.417	. 6296	15.988	.6481	16.590	1
31	.5926	15.324	. 6111	15.849	. 6296	16.404		16,991	. 6667	17.608	
32	.6111	16.318	.6296	16.852	. 6481	17,423		18.025	. 6852	18,657	
33	. 6296	17.330	. 6481	17.886	.6667	18.472	. 6852	19.090	.7037	19.738	
34	. 6481	18.380	.6667	18.951	. 6852	19.552		20.185	.7222	20,849	
35	. 6667	19.460	. 6852	20.046	.7037	20.664	12000	21.312	-7407	21.991	1
36	. 6852	20.571	.7037	21.173	.7222	21.806		22.469	.7593	23.164	
37	.7037	21.713	.7222	22.330	.7407	22.978		23.657	.7778	24.367	
38	. 7222	22.886	.7407	23.519	.7593	24.182	.7778	24.877	.7963	25.602	
39	.7407	24.090	.7593	24.738	.7778	25.417	.7963	26.127	.8148	26.867	
10	. 7593	25.324	,7778	25.988	. 7963	26,682	.8148	27.407	.8333	28.164	40
11	.7778	26.590	.7963	27.269	.8148	27.978		28.719	.8519	29.491	
12	.7963	27.886	.8148	28.580	. 8333	29.306	.8519	30.062	.8704	30.849	
13	.8148	29.213	. 8333	29.923	.8519	30.664	.8704	31.435	.8889	32,238	
14	.8333	80.571	.8519	31.296	.8704	32.052	. 8889	32.840	.9074	33.657	
15	,8519	31.960	.8704	32,701	,8889	33.472	. 9074	34.275	. 9259	35.108	48
16	.8704	33.380	.8889	34.136	.9074	34.923	. 9259	35.741	.9444	36.590	
17	.8889	34.830	.9074	35.602	.9259	36.404	. 9444	37.238	.9630	38.102	47
18	.9074	36.318	.9259	37.099	.9444	37.917	.9630	38.765	.9815	39.645	48
19	.9259	37.824	.9444	38.627	.9630	39.460	.9815		1.0000	41.219	45
50	.9444	39.367	.9630	40.185	.9815	41.034	1.0000		1.0185	42.824	
-							-				-
- 1		1	2	3		3	4	1	1	5	1

# TABLE L.—BASE 1.—SLOPES 11 to 1.

		6		7		8		9	1	0 -	
Prest.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Feet.
0	.1111	. 556	.1296	.756	.1481	.988	.1667	1.250	.1852	1.543	0
1	.1296	. 674	.1481	.880	.1667	1.127	.1852	1.404	.2037	1.713	1
2	.1481	.802	.1667	1.034	.1852	1.296	.2037	1.590	.2222	1.914	2
3	.1667	.972	. 1852	1.219	.2037	1.497	.2222	1.806	.2407	2.145	3
4	.1852	1.173	.2037	1.435	.2222	1.728	.2407	2.052	.2593	2.407	4
5	.2037	1.404	.2222	1.682	.2407	1.991	.2593	2.330	.2778	2.701	5
6	. 2222	1.667	. 2407	1.960	.2593	2.284	.2778	2.639	.2963	3.025	6
7	.2407	1,960	. 2593	2.269	.2778	2.608	.2963	2.978	.3148	3.380	7
8	.2593	2.284	.2778	2.608	.2963	2.963	.3148	3.349	. 3333	3.765	
9	.2778	2.639	. 2963	2.978	.3148	3.349	.3333	3.750	.3519	4.182	9
10	. 2963	3.025	.3148	3,380	. 3333	3.765	.3519	4.182	.3704	4.630	10
11	.3148	3.441	. 3333	3.812	.3519	4.213	.3704	4.645	.3889	5.108	11
12	. 3333	3.889	. 3519	4.275	.3704	4.691	.3889	5.139	.4074	5.617	
13	. 3519	4.367	. 3704	4.769	.3889	5.201	.4074	5.664	.4259	6.157	
14	.3704	4.877	.3889	5.293	.4074	5.741	.4259	6.219	.4444	6.728	
15	.3889	5.417	.4074	5.849	.4259	6.312	.4444	6.806	.4630	7.330	
16	.4074	5.988	.4259	6.435	.4444	6.914	.4630	7.423	.4815	7.963	
17	.4259	6,590	.4444	7.052	.4630	7.546	.4815	8.071	.5000	8.627	4
	.4444	7.222	.4630	7.701	.4815	8.210	.5000	8.750	.5185	9.321	
18 19	.4630	7.886	.4815	8.380	.5000	8.904	.5185	9.460	.5370	10.046	
20	.4815	8.580	.5000	9.090	.5185	9.630	.5370	10.201	.5556	10.802	
-301	100000000000000000000000000000000000000		1000000		1,000	A STATE OF THE PARTY OF THE PAR		1500	14, 0000		100
21	.5000	9.306	.5185	9.830	.5370	10.386	. 5556	10.972	.5741	11.590	
22	.5185	10.062	.5370	10.602	.5556	11.173	.5741	11.775	.5926	12.407	
23	.5370	10.849	. 5556	11.404	.5741	11.991	.5926	12,608	.6111	13.256	
24	.5556	11.667	5096	12.238	.5926	12.840	.6111	13.472	.6296	14.136	
25	.5741	12,515	.5926	13.102	.6111	13,719	. 6296	14.367	. 6481	15.046	10.00
26	.5926	13.395	. 6111	13.997	. 6296	14.630	. 6481	15.293	.6667	15.988	
27	.6111	14.306	. 6296	14.923	.6481	15.571	. 6667	16.250	. 6852	16,960	
28	.6296	15,247	. 6481	15.880	.6667	16.543	. 6852	17, 238	.7037	17.963	
29	.6481	16,219	. 6667	16.867	. 6852	17.546	.7037	18.256	.7222	18.997	
80	. 6667	17.222	. 6852	17.886	.7037	18.580		19.306	.7407	20.062	
31	. 6852	18, 256	.7037	18,935	.7222	19.645	.7407	20.386	.7593	21.157	
32	.7037	19.321	.7222	20.015	.7407	20.741	.7593	21.497	.7778	22.284	
33	.7222	20.417	.7407	21, 127	.7593	21.867	.7778	22.639	.7963	23,441	
34	.7407	21.543	.7598	22.269	.7778	23,025	.7963	23,812	.8148	24.630	
35	.7593	22.701	.7778	23.441	.7963	24.213	.8148	25.015	.8333	25.849	35
36	.7778	23.889	.7963	24.645	.8148	25.432	.8333	26.250	.8519	27.099	36
87	.7963	25.108	.8148	25.880	. 8333	26.682	.8519	27.515	.8704	28.380	37
38	.8148	26.358	. 8333	27.145	.8519	27.963	.8704	28.812	.8889	29.691	38
39	,8333	27.639	.8519	28.441	.8704	29.275	.8889	30.139	.9074	31.034	39
40	.8519	28,951	.8704	29.769	.8889	30.617	.9074	31.497	.9259	32,407	40
41	.8704	30.293	.8889	31.127	,9074	31.991	.9259	32.886	.9444	33.812	41
42	.8889	31.667	.9074	32.515	.9259	33.395	.9444	34.306	.9630	35.247	
48	.9074	33.071	.9259	83.935	.9444	34.830	.9630	35.756	.9815	36.713	
44	.9259	34.506	.9444	35.386	.9630	36.296	.9815	37.238	1.0000	38.210	
45	.9444	35.972	.9630	36,867	.9815	87.798		38.750		39.738	
46	.9630	37.469	0.00000	88.380	1.0000	39.321	1.0185	40.293	1.0370	41.296	108
47	.9815		1.0000	39.923	1.0185		1.0370	41.867	1.0556	42.886	
	1.0000		1.0185	41.497	1.0370		1.0556	43.472		44.506	
	1.0185		1.0370	43.102	1.0556			45.108			- 6
	1.0370		1.0556		1.0741		1.0926		1.1111		
-		200.00	-1,4000		100000	1000			100		1
_	1000		-			8 1					_

# TABLE L.—BASE 1.—SLOPES 11 to 1.

16         .5000         8.534         .5185         9.136         .5370         9.769         .5556         10.432         .5741           17         .5185         9.213         .5370         9.830         .5556         10.478         .5741         11.157         .5926           18         .5370         9.923         .5556         10.556         .5741         11.219         .5926         11.911         .6111         12.701         .6296           20         .5741         11.455         .5926         12.298         .6111         12.917         .6296         13.519         .6481           21         .5926         12.238         .6111         12.917         .6296         13.627         .6481         14.367         .6667           23         .6296         13.735         .6481         14.491         .6667         15.247         .6852           24         .6481         14.830         .6667         15.556         .6852         16.312         .7037         17.999         .7222         18.256         .7407         19.074         .7593           25         .6667         15.766         .6852         16.497         .7037         17.769         .7222         1	1	1	1	1	2	1	3	1	4	1	5	
1         2.9222         2.052         2.9407         2.428         2.578         2.524         2.778         3.556         2.963           2         2.407         2.269         2.593         2.654         2.2778         3.071         2.963         3.519         3.148         3.519         3.148         3.519         3.148         3.519         3.148         3.519         3.614         3.618         3.519         4.911         3.704         4.877         3.889         3.519         4.367         3.333         4.136         3.519         4.367         3.889         3.519         4.491         3.899         3.704         4.461         3.889         3.519         4.401         3.889         3.519         4.471         3.889         5.201         4.074         5.741         4.259         9.273         4.4259         6.217         4.4259         6.217         4.4259         6.219         4.444         6.621         4.451         6.627         4.459         6.127         4.444         6.622         4.630         7.289         4.815         7.840         5.000         8.441         5.185         9.80         5.000         8.441         5.185         9.00         8.341         5.185         9.80         5.556 <th>Feet</th> <th>Mult.</th> <th>Add.</th> <th>Mult.</th> <th>Add.</th> <th>Mult.</th> <th>Add.</th> <th>Mult.</th> <th>Add.</th> <th>Mult.</th> <th>Add.</th> <th>Feet</th>	Feet	Mult.	Add.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Feet
1. 2292         2.062         2.407         2.423         2.593         2.644         2.778         3.071         2.963         3.319         3.148         3.812         3.333           3. 2598         2.514         2.778         2.917         2.963         3.349         3.148         3.812         3.333           4. 2778         2.978         3.210         3.148         3.657         3.333         4.136         3.519           5. 2963         3.102         3.148         3.637         3.3519         4.413         3.704           6. 3148         3.541         3.333         3.889         3.519         4.611         3.704         4.677         3.889           7. 3833         3.812         .3519         4.275         3.704         4.769         3.889         5.201         4.074         5.741         4.259           9. 3704         4.645         .3889         5.189         4.074         5.664         4.259         6.127         4444         6.682         .4630         7.369         4.414         6.622         .4630         7.238         4.815         7.840         6.627         1.536         6.127         4.444         6.682         4.630         7.369         8.441 <td>0</td> <td>. 2037</td> <td>1.867</td> <td></td> <td>2.222</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>3,472</td> <td></td>	0	. 2037	1.867		2.222						3,472	
3         2598         2.514         .2778         2.963         3.210         .348         3.657         .3333         4.136         .3519           5         .2963         3.102         .3148         3.634         .3333         4.136         .3519           6         .3148         3.441         .3333         3.889         .3519         4.367         .3704         4.877         .3889           7         .3333         3.812         .3519         4.275         .3704         4.769         .3889         5.293         .4074           8         .3519         4.213         .3704         4.691         .3889         5.201         .4074         5.617         .4444         6.622         .4259         6.127         .4444         6.682         .4630         7.238         .4815         7.840         .5000         8.441         .5185         .7840         .5000         8.441         .5185         .7840         .5000         8.441         .5185         .900         .5576         10.404         .6682         .4630         7.238         .4815         .7840         .5000         8.441         .5185         .5000         8.441         .5185         .5206         .1181         .5185				.2407							3.719	
4         .2778         2.793         .2963         3.148         3.654         .3333         3.997         .3519         4.491         .3704           6         .3148         3.441         .3333         3.889         .3519         4.769         .3889         5.293         4.074           8         .3519         4.213         .3704         4.665         .3889         5.199         4.074         5.741         .4259           9         .3704         4.645         .3889         5.189         4.074         5.664         4259         6.127         .4444         6.667         .4646         4259         6.127         .4444         6.667         .4630         7.238         .4815         7.840         5.000         8.441         5185         9.074         .586         5000         8.441         .5185         9.612         .4444         6.682         .4830         7.869         .4815         7.840         .5000         8.441         .5185         9.618         .4815         7.840         .5000         8.441         .5185         9.769         .5556         10.448         .5185         9.800         .5556         10.478         .5741         11.157         .5926         12.999         .6111			2.269								3.997	
5         .2968         3.102         .3148         3.534         .3833         3.997         .3519         4.491         .3704           6         .3148         3.441         .3333         3.889         .3519         4.769         .3869         5.293         .4074           7         .3333         3.812         .3519         4.275         .3704         4.691         .3889         5.201         .4074         5.741         .4259           8         .3519         4.213         .3704         4.664         .3889         5.201         .4074         5.741         .4259           11         .4074         5.602         .4259         6.127         .4444         6.682         .4630         7.369         .4815           12         .4259         6.127         .4444         6.667         .4850         7.238         .4815         7.840         .5000           13         .4444         6.682         .4630         7.238         .4815         7.840         .5000           14         .4630         7.269         .4815         7.840         .5000         8.441         .5185           15         .5816         7.850         9.23         .5556		. 2593	2.514		2.917						4.306	
6         .3148         3.441         .3333         3.889         .3519         4.975         .3704         4.676         .3889         5.293         .4074           7         .3333         3.812         .3519         4.275         .3704         4.661         .3889         5.293         .4074           8         .3519         4.213         .3704         4.691         .3889         5.203         .4074         5.664         .4259         6.219         .4444         6.682         .4830         7.369         .4815         7.860         .4259         6.127         .4444         6.682         .4630         7.369         .4815         7.860         6.67         .4630         7.238         .4815         7.824         .5000         8.441         .5185         9.074         .5370         9.80         .5570         9.769         .5556         10.432         .5741         1.157         .5926         11.911         1.2701         .6296         11.911         1.2701         .6296         13.519         .6296         13.519         .6296         13.519         .6296         13.519         .6262         14.11         .219         .6296         13.627         .6481         .4360         7.369         .4815	4	.2778	2.793	. 2963	3,210	.3148					4.645	
7         .8333         3.812         .8519         4.275         .8704         4.769         .3889         5.291         .4074         5.741         .4259         9.3704         4.641         .3889         5.199         .4074         5.664         .4259         6.219         .4444         6.627         .4444         6.627         .4259         6.157         .4444         6.728         .4630         7.369         .4815         7.840         .5000         8.415         7.840         .5000         8.415         7.840         .5000         8.415         7.840         .5000         8.415         7.840         .5000         8.411         .5185         9.13         .5846         .5859         9.830         .5556         10.478         .5741         1.157         .5926         11.191         .5926         11.191         .5926         11.191         .5926         11.191         .5926         11.191         .5926         11.191         .5926         11.111         .5926         11.111         .5926         11.111         .2971         .6296         13.627         .6481         14.491         .6667         15.247         .6296         13.627         .6481         14.491         .6667         15.256         .6067         15.556 <td>5</td> <td>. 2963</td> <td>3.102</td> <td>.3148</td> <td>3.534</td> <td>. 3333</td> <td>3.997</td> <td>. 3519</td> <td>4.491</td> <td>.3704</td> <td>5.015</td> <td></td>	5	. 2963	3.102	.3148	3.534	. 3333	3.997	. 3519	4.491	.3704	5.015	
7         83838         3.812         .3519         4.275         .3704         4.691         .3889         5.201         .4074         5.741         .4259         9.3704         4.645         .3889         5.199         .4074         5.664         .4259         6.219         .4444         6.607         .4259         6.157         .4444         6.627         .4444         6.667         .4630         7.388         .4815         7.840         .5000         8.415         7.840         .5000         8.415         7.840         .5000         8.415         7.840         .5000         8.415         7.840         .5000         8.415         7.840         .5000         8.411         .5185         9.13         .5866         1.0500         8.472         .5185         9.830         .5556         10.432         .5741         11.157         .5926         1.991         .5556         10.432         .5741         11.157         .5926         11.911         .6111         12.703         .6296         11.914         .6111         12.707         .6296         13.627         .6481         14.4367         .6667         15.247         .6852         16.671         14.441         .6567         15.4681         14.491         .6667         15.247 </td <td>6</td> <td>.3148</td> <td>3.441</td> <td>.3333</td> <td>3.889</td> <td>.3519</td> <td>4.367</td> <td>.3704</td> <td>4.877</td> <td>.3889</td> <td>5.417</td> <td>6</td>	6	.3148	3.441	.3333	3.889	.3519	4.367	.3704	4.877	.3889	5.417	6
8       88 519       4.213       .8704       4.645       .8889       5.139       .4074       5.664       .4259       6.219       .4444         10       .8889       5.108       .4074       5.667       .4259       6.157       .4444       6.728       .4630         11       .4074       5.602       .4259       6.127       .4444       6.682       .4630       7.369       .4815         12       .4259       6.127       .4444       6.687       .7238       .4815       7.824       .5000       8.441       .5185         14       .4630       7.286       .4630       7.238       .4815       7.824       .5000       8.441       .5185       9.074       .5370       9.738       .5556       16.5000       8.634       .5185       9.136       .5370       9.769       .5556       10.432       .5741       11.512       .5926       11.911       .11.11       .5185       9.213       .5556       10.556       .5741       11.219       .5926       11.914       .6111       12.793       .6296       13.519       .6296       13.519       .6481       14.491       .6667       15.566       .6872       16.111       12.773       .6296       13.519				.3519		.3704	4.769	.3889	5.293	.4074	5.849	7
9         3704         4.645         .8889         5.139         .4074         5.664         4.259         6.129         .4444           10         .3889         5.108         .4074         5.617         .4259         6.127         .4444         6.682         .4630         7.369         .4815           12         .4259         6.127         .4444         6.682         .4630         7.288         .4815         7.840         .5000         8.441         .5185         9.074         .5370           13         .4444         6.682         .4835         7.280         .5000         8.441         .5185         9.074         .5370           15         .4815         7.840         .5000         8.441         .5185         9.074         .5370           16         .5000         8.534         .5185         9.136         .5370         9.769         .5556         10.432         .5741         11.117         .5926         11.914         .5926         11.914         .6111         13.071         .6266         12.099         .6111         12.793         .6296         13.519         .6481           12         .6111         13.071         .6296         13.756         .6481							5.201	.4074	5.741	.4259	6.312	
10         .8889         5.108         .4074         5.617         .4259         6.157         .4444         6.682         .4630         7.369         .4815           11         .4074         5.602         .4259         6.127         .4444         6.667         .4630         7.238         .4815         7.840         .5000           14         .4630         7.269         .4815         7.840         .5000         8.441         .5185         9.00         .8415         .5850         .5850         8.441         .5185         9.00         .5576         9.074         .5370         9.743         .5576           15         .5850         7.886         .5000         8.472         .5185         9.00         .5576         10.432         .5741           15         .5850         9.213         .5556         10.556         .5741         11.219         .5926         11.914         .6111         12.793         .6296         11.914         .6111         12.793         .6296         13.519         .6481         .6481         14.491         .6667         15.547         .6481         14.367         .6687         .6667         15.366         .6521         .6111         12.793         .6296         <			4.645	.3889	5.139	.4074	5.664	. 4259	6.219	.4444	6.806	9
11         .4074         5.602         .4259         6.127         .4444         6.682         .4630         7.369         .4815         7.840         .5000         8.415         7.840         .5000         8.441         .5000         8.441         .5185         .5000         8.441         .5185         9.918         .5185         9.090         .5370         9.738         .5556           16         .5000         8.534         .5185         9.186         .5370         9.769         .5556         10.482         .5741         11.157         .5926           17         .5185         9.213         .5570         9.830         .5556         10.478         .5741         11.157         .5926         11.914         .6111         12.793         .6296         11.914         .6111         12.701         .6296         13.519         .6481         14.491         .6667         .6296         13.627         .6481         14.491         .6667         .6562         16.397         .7037         .7097         .7097         .7097         .7097         .7097         .7097         .7097         .7097         .7097         .7097         .7097         .7097         .7097         .7097         .7097         .7097         .70									6.728		7.330	
12         .4259         6.127         .4444         6.667         .4630         7.238         .4815         7.840         .5000           13         .4444         6.682         .4630         7.238         .4815         7.824         .5000         8.441         .5185         9.090         .5370         9.738         .5556           15         .4815         7.886         .5000         8.472         .5185         9.090         .5370         9.738         .5556           16         .5000         8.534         .5185         9.136         .5370         9.769         .5556         10.432         .5741           17         .5185         9.213         .5370         9.830         .5556         10.478         .5741         11.157         .5926           18         .5370         9.923         .5556         10.556         .5741         11.219         .5926         11.911         .6111         12.703         .6296         13.519         .6481         .4850         .6667         .5741         11.219         .5926         11.911         .6111         12.703         .6296         13.519         .6481         .4815         .7840         .6481         .4861         .4861         .4		100000	100000000000000000000000000000000000000			4444	6 682	4630	7.369	4815	7.886	11
13         .4444         6.682         .4630         7.238         .4815         7.824         .5000         8.441         .5185         9.074         .5370         9.738         .5556         16.5485         7.866         .5000         8.472         .5185         9.090         .5370         9.738         .5556         16.560         8.534         .5185         9.136         .5870         9.769         .5556         10.482         .5741         11.1512         .5926         11.914         .6111         .5926         12.938         .6516         10.556         10.478         .5741         11.1219         .5926         11.914         .6111         .6111         12.701         .6296         13.592         .6481         14.611         .6296         13.627         .6481         14.611         .6481         14.491         .6667         15.247         .6882         .6667         15.556         .6481         14.491         .6667         15.247         .6882         .6667         .6552         .6481         14.491         .6667         15.247         .6882         .6667         .65556         .6882         16.311         .7037         .7037         .7037         .7037         .7037         .7037         .7037         .7037 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>8.472</td><td></td></t<>											8.472	
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$											9.090	
15         .4815         7.886         .5000         8.472         .5185         9.090         .5370         9.738         .5556           16         .5000         8.534         .5185         9.136         .5370         9.769         .5556         10.432         .5741           17         .5185         9.213         .5576         9.830         .5556         10.478         .5741         11.157         .5926           18         .5370         9.923         .5556         10.556         .5741         11.219         .5926         11.914         .6111         2.701         .6296           20         .5741         11.435         .5926         12.099         .6111         12.793         .6296         13.519         .6481           21         .5926         12.238         .6111         12.917         .6296         13.627         .6481         14.367         .6667           22         .6111         3.071         .6296         13.627         .6481         14.465         .6667         15.566         .6852         16.327         .7037         .7079         .7222         18.7247         .7037         .7079         .7222         18.7247         .7037         .7037 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>9.738</td><td></td></td<>											9.738	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$										1 2 2 2 2 2 2		
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	064	~ ~ ~ ~	Charles C. H. V.	100000	126 - 50		20.763	11/2/2004		1000000	1000000	4
$\begin{array}{cccccccccccccccccccccccccccccccccccc$											11.127	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$											11.867	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$											12.639	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$												
$\begin{array}{cccccccccccccccccccccccccccccccccccc$		1 0 0	100000000000000000000000000000000000000	100000	100 CO CO CO			11		P. P. Harrison	14.275	100
23         .6296         18.935         .6481         14.645         .6667         15.386         .6852         16.157         .7037           24         .6481         14.830         .6667         15.556         .6852         16.312         .7037         17.099         .7222           25         .6667         15.756         .6852         16.497         .7037         17.269         .7222         18.071         .7407           26         .6852         16.713         .7037         17.469         .7222         18.256         .7407         19.074         .7593           27         .7037         17.701         .7222         18.472         .7407         19.275         .7593         20.108         .7778           28         .7222         18.719         .7407         19.506         .7593         20.324         .7778         21.173         .7963           29         .7407         19.769         .7593         20.571         .7778         21.404         .7963         22.269         .8148           30         .7593         20.849         .7778         21.667         .7963         22.515         .8148         23.351         .8148         23.551         .8333	21	.5926	12,238								15.139	
24         .6481         14.830         .6667         15.556         .6852         16.812         .7037         17.099         .7222           25         .6667         15.756         .6852         16.497         .7037         17.269         .7222         18.071         .7407           26         .6852         16.713         .7037         17.469         .7222         18.256         .7407         19.074         .7593         20.108         .7778         21.018         .7222         18.256         .7407         19.074         .7593         20.108         .7778         21.173         .7963         22.1173         .7963         22.1173         .7963         22.269         .8148         23.395         .8333         24.552         .8148         23.395         .8333         24.552         .8148         23.395         .8333         24.552         .8519         .8519         .8519         .8519         .8519         .8519         .8519         .8519         .8519         .8519         .8519         .8519         .8519         .8519         .8519         .8519         .8519         .8519         .8519         .8519         .8519         .8519         .8519         .8519         .8519         .8519         .8519	22		13.071								16.034	
25         .6667         15.756         .6852         16.497         .7037         17.269         .7222         18.071         .7407           26         .6852         16.713         .7037         17.469         .7222         18.256         .7407         19.074         .7593           27         .7037         17.701         .7222         18.472         .7407         19.275         .7593         20.108         .7778         21.173         .7963           29         .7407         19.506         .7593         20.324         .7778         21.173         .7963           30         .7593         20.571         .7778         21.404         .7963         22.269         .8148           30         .7593         20.571         .7786         21.516         .8148         23.395         .8333           31         .7778         21.667         .7963         22.515         .8148         23.395         .8333           32         .7963         22.793         .8148         23.657         .8333         24.552         .8519           34         .8383         25.478         .8619         26.358         .8704         27.269         .8889         28.519         .85	23		13.935	. 6481							16.960	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$											17.917	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	25	. 6667	15.756	. 6852	16.497	.7037	17.269	.7222	18.071	.7407	18,904	25
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	26	6852	16.713	.7037	17.469	.7222	18, 256	.7407	19.074	.7593	19.928	26
$\begin{array}{cccccccccccccccccccccccccccccccccccc$									20.108		20.972	27
$\begin{array}{cccccccccccccccccccccccccccccccccccc$											22.052	
30         .7593         20.849         .7778         21.667         .7963         22.515         .8148         23.395         .8333           31         .7778         21.960         .7963         22.793         .8148         23.657         .8333         24.552         .8519           32         .7963         23.102         .8148         23.951         .8333         24.830         .8519         25.741         .8704           38         .8148         24.275         .8333         25.139         .8519         26.034         .8704         26.960         .8889           34         .8333         25.478         .8619         26.358         .8704         27.269         .8889         28.210         .9074           35         .8519         26.713         .8704         27.608         .8889         28.534         .9074         29.491         .9259           36         .8704         27.978         .8889         28.889         .9.534         .9074         29.491         .9259           37         .8889         29.275         .9074         30.201         .9259         31.543         .9630         33.904         .9259         30.802         .9444         32.917		.7407					21,404	.7963	22.269	.8148	23.164	
31         .7778         21.960         .7963         22.793         .8148         23.657         .8333         24.552         .8519           32         .7963         23.102         .8148         23.951         .8333         24.830         .8519         25.741         .8704           33         .8148         24.275         .8333         25.139         .8519         26.034         .8704         26.960         .8889           34         .8383         25.478         .8519         26.358         .8704         27.269         .8889         28.210         .9074           36         .8704         27.978         .8889         28.889         .9074         29.830         .9259         30.802         .9444           37         .8889         29.275         .9074         30.201         .9259         31.157         .9444         32.145         .9630           38         .9074         30.602         .9259         31.543         .9444         32.515         .9630         33.519         .9815           39         .9259         31.960         .9444         32.917         .9630         33.944         .9815         34.769         .9815         35.756         1.0000							22.515	.8148	23.395		24.306	30
$\begin{array}{cccccccccccccccccccccccccccccccccccc$		1000	11.5		13000 127 9				94 559	8510	25.478	2 21
33         .8148         24.275         .8333         25.139         .8519         26.034         .8704         26.960         .8889           34         .8333         25.478         .8619         26.358         .8704         27.269         .8889         28.210         .9074           35         .8519         26.713         .8704         27.608         .8889         28.534         .9074         29.491         .9259           36         .8704         27.978         .8889         28.889         .9074         29.830         .9259         30.802         .9259           37         .8889         29.275         .9074         30.201         .9259         31.167         .9444         32.145         .9630           38         .9074         30.602         .9259         31.543         .9444         32.515         .9630         33.519         .9815           39         .9259         31.960         .9444         32.917         .9630         38.904         .9815         34.923         1.0000           41         .9680         34.769         .9815         35.756         1.0000         36.775         1.0185         37.824         1.0566           43 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>26.682</td><td></td></td<>											26.682	
84         .8333         25.478         .8519         26.358         .8704         27.269         .8889         28.210         .9074           35         .8519         26.713         .8704         27.608         .8889         28.534         .9074         29.491         .9259           36         .8704         27.978         .8889         28.889         .9074         29.830         .9259         30.802         .9444           37         .8889         29.275         .9074         30.201         .9259         31.157         .9444         32.145         .9630           38         .9074         30.602         .9259         31.543         .9444         32.515         .9630         33.904         .9815         34.931         .9815         34.923         1.0000         36.358         1.0000         36.358         1.0000         36.358         1.0000         36.358         1.0000         36.358         1.0000         36.358         1.0000         36.358         1.0000         36.358         1.0000         36.755         1.0185         37.222         1.0185         38.256         1.0370         39.321         1.0556         41.806         1.0741         42.886         1.0970         43.997         1											27.917	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$		8333									29.182	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$											30.478	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$		100	100 mm	F777001	150000000000000000000000000000000000000		X 01.00	1, 10,000		A. C. C.		
$\begin{array}{cccccccccccccccccccccccccccccccccccc$											31.806	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$												
$\begin{array}{cccccccccccccccccccccccccccccccccccc$											34.552	
$\begin{array}{c} 11 \\ 1 \\ 2 \\ 3 \\ 3 \\ 3 \\ 3 \\ 3 \\ 3 \\ 3 \\ 3 \\ 3$											35,972 37,423	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$	104		10-10 Page 11-1		100000000000000000000000000000000000000						The state of the s	100
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$		.9630									38.904	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$		. 9815									40.417	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$		1.0000	37.701	1.0185						100000000000000000000000000000000000000	41.960	
$ \begin{array}{cccccccccccccccccccccccccccccccccccc$											43.534	
47     1.0741     43.935     1.0926     45.015     1.1111     46.127     1.1296     47.269     1.1481       48     1.0926     45.571     1.1111     46.667     1.1296     47.793     1.1481     48.951     1.1667       49     1.1111     47.238     1.1296     48.349     1.1481     49.491     1.1667     50.664     1.1852	15	1.0370	40.756	1.0556	41.806	1.0741	42.886	1.0926	43,997	1.1111	45.139	45
47     1.0741     43.935     1.0926     45.015     1.1111     46.127     1.1296     47.269     1.1481       48     1.0926     45.571     1.1111     46.667     1.1296     47.793     1.1481     48.951     1.1667       49     1.1111     47.238     1.1296     48.349     1.1481     49.491     1.1667     50.664     1.1852	16	1.0556	42,330	1.0741	43,395	1.0926	44.491	1.1111	45.617	1.1296	46.775	46
48     1.0926     45.571     1.1111     46.667     1.1296     47.793     1.1481     48.951     1.1667       49     1.1111     47.238     1.1296     48.349     1.1481     49.491     1.1667     50.664     1.1852							46, 127	1.1296			48,441	
49 1.1111 47.238 1.1296 48.349 1.1481 49.491 1.1667 50.664 1.1852											50.139	
			47.238	1.1296							51.867	49
											53.627	
11 12 13 14 15	-	1	1	1	9	1	2	1	4	1	5	-

TABLE L.—BASE 1.—SLOPES 11 to 1.

	1	6	1	7	1	8	1	9	2	0	
Feet.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Mult.	Add	Post.
0	. 2963	3,951	.3148	4,460	. 3333	5.000	.3519	5.571	.3704	6.173	0
1	.3148	4.213	. 3333	4.740	.3519	5.293	.3704	5.880	.3889	6.497	
2	. 3333	4.506	. 3519	5.046	.3704	5.617	.3889	6.219	.4074	6.852	
3	. 3519	4.830	.3704	5.386	.3889	5.972	.4074	6.590	.4259	7.238	
4	. 3704	5.185	.3889	5.756	.4074	6.358	.4259	6.991	.4444	7.654	
5	.3889	5,571	.4074	6.157	.4259	6.775	.4444	7.423	.4630	8.102	1
6	.4074	5.988	.4259	6.590	.4444	7.222	.4630	7.886	.4815	8.580	
7	.4259	6.435	.4444	7.052	.4630	7.701	.4815	8.380	.5000	9.090	
8	.4444	6.914	.4630	7.546	.4815	8.210	.5000	8.904	.5185	9.630	
9	.4630	7.423	.4815	8.071	.5000	8.750	.5185	9.460	.5370	10.201	
10	.4815	7.963	.5000	8.627	.5185	9.321	.5370	2000 100 100 100 100		10.802	1
11	.5000	8.534	.5185	9.213	.5370	9.923	.5556	10.664	.5741	11.435	
12	.5185	9.136	.5370	9.830	.5556	10,556	. 5741	11.312	.5926	12.099	
13	.5370	9.769	. 5556	10,478	.5741	11.219	.5926	11,991	.6111	12.793	
14	. 5556	10,432	.5741	11.157	.5926	11.914	,6111	12.701	.6296	13.519	
15	.5741	11.127	. 5926	11.867	.6111	12.639	. 6296	13,441	.6481	14.275	15
16	.5926	11.852	.6111	12.608	. 6296	13.395	. 6481	14.213	.6667	15.062	16
17	.6111	12.608	. 6296	13.380	. 6481	14.182	.6667	15.015	. 6852	15.880	17
18	. 6296	13.395	. 6481	14.182	.6667	15,000	. 6852	15.849	.7037	16.728	18
19	.6481	14.213	. 6667	15.015	. 6852	15.849	.7037	16,713	.7222	17.608	19
20	.6667	15.062	. 6852	15,880	.7037	16.728	.7222	17.608	.7407	18.519	20
21	. 6852	15.941	.7037	16,775	.7222	17,639	.7407	18.534	.7593	19.460	21
22	.7037	16.852	.7222	17.701	.7407	18.580	.7593	19.491	.7778	20.432	
28	.7222	17.793	.7407	18.657	. 7593	19.552	.7778	20.478	.7963	21.435	
24	.7407	18.765	.7592	19,645	.7778	20.556	.7963	21.497	.8148	22.469	
25	.7593	19.769	.7778	20.664	.7963	21.590	.8148	22.546	.8333	23.534	
26	.7778	20.802	.7963	21.713	.8148	22.654	.8333	23.627	.8519	24.630	196
27	.7963	21.867	.8148	22.793	.8333	23.750	.8519	24.738	.8704	25.756	
28	.8148	22.963	.8333	23.904	.8519	24.877	.8704	25.880	.8889	26.914	
29	.8333	24.090	.8519	25.046	.8704	26.034	.8889	27.052	.9074	28.102	
30	.8519	25.247	.8704	26,219	.8889	27.222	.9074	28.256	.9259	29.321	
31		26.435	.8889	27.423	.9074	28.441	.9259	29,491	1000	30.571	
32	.8704	27.654	.9074	28.657	.9259	29.691	.9444	30.756	.9630	31.852	
33	.9074	28.904	.9259	29.923	.9444	30.972	.9630	32.052	.9815	33.164	
34	.9259	30.185	.9444		.9630	32.284	.9815		1.0000	34.506	
35	.9444	31.497	.9630	32.546	.9815	33.627			1.0185	35.880	
- 4			1 1 1 1 1	1 2 (2.1 - 17)				Months 1	A		
36	.9630	32.840	.9815	33.904	1.0000		1.0185		1.0370	37.284	
37	.9815	34.213		35.293			1.0370		1.0556	38.719	
	1.0000	35,617 37,052	1.0185	36.713 38.164			1.0556		1.0741	40.188	
	1.0185		1.0556	39.645	1.0556		1.0741		1.0926	41.689	
		I CONTRACTOR		F4.00.0000	77 3 3 3 7 1					100000	
	1.0556	40.015		41.157	1.0926		1.1111		1.1296	44.769	
	1.0741	41.543		42.701	1.1111		1.1296		1.1481	46.358	
	1.0926	43.102		14.275			1.1481		1.1667	47.978	
	1.1111		1.1296	45.880	1.1481		1.1667		1.1852	49.630	
9.1	1.1296	1 4 - 2 + -4	1.1481	47.515	A CONTRACTOR		1.1852		1.2047	51.315	
	1.1481		1.1667	49.182			1.2047		1.2222	53,025	
	1.1667	49.645	1.1852	50.880	1.2047		1.2222		1.2407	54.769	
	1.1852	51.358		52.608	1.2222		1.2407		1.2593	56.548	
	1.2047	53.102		54.367	1.2407		1.2593		1.2778	58.349	
50	1.2222	54.877	1.2407	56.157	1,2593	57.469	1.2778	58.812	1.2963	60.185	50
				_		_		_			1
	1	6	1	7	1	8	. 1	9	2	20	

TABLE L.—BASE 1.—SLOPES 11 to 1.

Γ	. 2	21	2	2	2	3	2	4	2	5	$\Box$
Feet.	Mult.	Add.	Feet.								
0 1 2 3 4	.8889 .4074 .4259 .4444 .4630	6.806 7.145 7.515 7.917 8.349	.4074 .4259 .4444 .4630 .4815	7.469 7.824 8.210 8.627 9.074	.4259 .4444 .4630 .4815	8.164 8.534 8.935 9.367 9.830	.4444 .4630 .4815 .5000	8.889 9.275 9.691 10.139 10.617	.4630 .4815 .5000 .5185 .5370	9.645 10.046 10.478 10.941 11.435	0 1 2 3 4
5 6 7 8	.4815 .5000 .5185 .5370	8.812 9.306 9.830 10.380	.5000 .5185 .5370 .5556	9.552 10.062 10.602 11.173	.5185 .5370 .5556 .5741	10.324 10.849 11.404 11.991	.5370 .5556 .5741 .5926	11.127 11.667 12.238 12.840	.5556 .5741 .5926 .6111	11.960 12.515 13.102 13.719	5 6 7
9 10 11 12 13	.5556 .5741 .5926 .6111 .6296	10.972 11.590 12.238 12.917 13.627	.5741 .5926 .6111 .6296 .6481	11.775 12.407 13.071 13.765 14.491	.5926 .6111 .6296 .6481 .6667	12.608 13.256 13.935 14.645 15.386	.6111 .6296 .6481 .6667	18.472 14.136 14.830 15.556 16.312	.6296 .6481 .6667 .6852 .7037	14.367 15.046 15.756 16.497 17.269	11 12
14 15 16 17	.6481 .6667 .6852 .7037	14.367 15.139 15.941 16.775	.6667 .6852 .7037 .7222	15.247 16.034 16.852 17.701	.6852 .7037 .7222 .7407	16.157 16.960 17.793 18.657	.7037 .7222 .7407 .7593	17.099 17.917 18.765 19.645	.7222 .7407 .7593 .7778	18.071 18.904 19.769 20.664	14 15 16 17
18 19 20 21 22		17.639 18.534 19.460 20.417 21.404	.7407 .7593 .7778 .7963 .8148	18.580 19.491 20.432 21.404 22.407	.7593 .7778 .7963 .8148 .8333	19.552 20.478 21.435 22.423 23.441	.7778 .7963 .8148 .8333 .8519	20.556 21.497 22.469 23.472 24.506	.7963 .8148 .8333 .8519 .8704	21.590 22.546 23.534 24.552 25.602	19 20 21
28 24 25 26 27		22.423 23.472 24.552 25.664 26.806	.8333 .8519 .8704 .8889 .9074	23.441 24.506 25.602 26.728 27.886	.8519 .8704 .8889 .9074 .9259	24.491 25.571 26.682 27.824 28.997	.8704 .8889 .9074 .9259 .9444	25.571 26.667 27.793 28.951 30.139	.8889 .9074 .9259 .9444 .9630	26.682 27.793 28.935 30.108 31.312	23 24 25 26
28 29 30 31	.9074 .9259 .9444 .9630	26.806 27.978 29.182 30.417 31.682	.9259 .9444 .9630	29.074 30.293 81.543 32.824	.9444 .9630 .9815	30.201 31.435 32.701 33.997	.9630 .9815 1.0000 1.0185	31.358 32.608 33.889 35.201	.9815 1.0000 1.0185 1.0370	32.546 33.812 35.108 36.435	28 29 30 31
34 35	1.0000 1.0185 1.0370		1.0185 1.0370 1.0556	34.136 35.478 36.852 38.256	1.0370 1.0556 1.0741	36.682 38.071 39.491	1.0926	40.756	1.0741 1.0926 1.1111	37.793 39.182 40.602 42.052	33 34 35
37 38 39	1.0556 1.0741 1.0926 1.1111 1.1296	38.472 39.923 41.404 42.917 44.460	1.1111 1.1296	44.182		43.935 45.478	1.111 1.1296 1.1481 1.1667 1.1852	45.247 46.806	1.1296 1.1481 1.1667 1.1852 1.2047	43.534 45.046 46.590 48.164 49.769	37 38 39
42 43 44	1.1481 1.1667 1.1852 1.2047 1.2222	49.275	1.1852 1.2047 1.2222	48.951 50.602	$1.2222 \\ 1.2407$	50.293 51.960 53.657	1.2047 1.2222 1.2407 1.2593 1.2778	51.667 53.349 55.062	$1.2593 \\ 1.2778$	51.404 53.071 54.769 56 497 58.256	42 43 44
47 48 49	1.2407 1.2598 1.2778 1.2963 1.3148	56.127 57.917 59.738	1.2593 1.2778 1.2963 1.3148 1.3833	59.321 61.157	1.2778 1.2968 1.3148 1.3333 1.3519	58.935 60.756 <b>62</b> .608	1.2963 1.3148 1.3333 1.3519 1.3704	62.222 64.090	1.8333 1.8519	60.046 61.867 63.719 65.602 67.515	47 48 49
	5	21	2	22	2	23	2	24	2	25	

.. 269

### TABLE L.—BASE 1.—SLOPES 11 to 1.

1	2	6	2	7	2	8	2	9	3	0	
Foot.	Mult.	Add.	Mult.	Add	Mult.	Add.	Mult.	Add.	Mult.	Add.	Peet.
0	.4815	10,432	.5000	11,250	.5185	12.099	.5370	12.978	.5556	13.889	0
1	. 5000	10.849	.5185	11.682	.5370	12.546	.5556	13.441	.5741	14.367	1
2	.5185	11.296	.5370	12,145	.5556	13.027	.5741	13,935	.5926	14.877	2
3	.5370	11.775	.5556	12.639	.5741	13.534	.5926	14.460	.6111	15.417	
4	.5556	12.284	.5741	13.164	.5926	14.074	. 6111	15.015	. 6296	15.988	4
5	.5741	12.824	.5926	13.719	.6111	14.645	.6296	15.602	. 6481	16.590	5
- 1	.5926	13,395	.6111	14.306	. 6296	15.247	. 6481	16.219	.6667	17.222	6
6	.6111	13.997	.6296	14.923		15.880	.6667	16.867	. 6852	17.886	
7 8	.6296	14.630	.6481	15.571	. 6667	16.543	. 6852	17.546	.7037	18.580	
9	.6481	15.293	.6667	16, 250	. 6852	17.238	.7037	18.256	.7222	19.306	
	.6667	15.988	.6852	16.960		17.963	of advantages	18.997	.7407	20.062	
10			3 3 3 3 3 3				1	100000000000000000000000000000000000000			000
11	. 6852	16.713	.7037	17,701	.7222	18.719	.7407	19.769	.7593	20.849	
12	.7037	17.469	. 7222	18,472	.7407	19.506	.7593	20.571	.7778	21.667	
13	.7222	18.256	.7407	19.275	.7593	20.324	.7778	21.404	.7963	22.515	
14	.7407	19.074	.7593	20.108	.7778	21.173	.7963	22.269	.8148	23.395	
15	.7593	19.923	.7778	20.972	.7963	22.052	.8148	23.164	.8333	24.306	15
16	.7778	20,802	.7963	21.867	.8148	22,963	. 8333	24.090	.8519	25.247	16
17	.7963	21.713	.8148	22.793	. 8333	23.904	.8519	25.046	.8704	26.219	17
18	.8148	22,654		23.750	.8519	24.877	.8704	26,034	.8889	27.222	18
19	.8333	23.627	.8519			25.880	.8889	27.052	.9074	28.256	19
20		24.630	.8704	25.756			.9074	28.102	.9259	29.321	
5.7	.8704	25.664	.8889	26,806		27.978	9950	29,182	.9444		
21						29.074		30.293			
22	.8889	26.728	.9074	27.886		30.201		31.435		32.701	
23	.9074	27.824	.9259	28.997	.9630		.9815		1.0000		
24		28.951	9444				1.0000		1.0185	35.108	
25	. 9444	30.108		31.312			1 100 100	7.000000	20000		1
26	.9630	31.296		32.515			1.0185		1.0370		
27	.9815	32.515	1.0000				1.0370				
28	1.0000	33.765	1.0185				1.0556				
29	1.0185	35.046	1.0370				1.0741				
30	1.0370	36.358	1.0556	37.639	1.0741	38.951	1.0926	40.293	1.1111	41.667	30
21	1.0556	37 701	1.0741	38 997	1.0926	40,324	1.1111	41.682	1.1296	43.071	31
	1.0741						1.1296				
		40 478	1 1111	41.806	1.1296	43, 164	1.1481	44.552	1.1667	45.972	
		41.914		43.256	1.1481	44,630	1.1667	46,034	1.1852	47, 469	
		43.380			1.1667		1.1852		1.2047	48.997	
	and the second						P				1
		44.877		46.250			1.2047	49.090		50.556	
	1.1667	46.404			1.2047						
	1.1852	47.963		49.367			1.2407	52.269		53.760	
	1.2047	49.552			1.2407		1.2593		1.2778		
10	1.2222	51.173	1.2407	52.608			1,2778	55.571	Y	57.099	
41	1.2407	52.824	1.2593,	54.275	1.2778		1.2963		1.3148		
	1.2593	54.506			1.2963		1.3148	58.997			
	1.2778	56.219	1.2963	57.701			1.3333	60.756	1.3519	62.330	43
44	1.2963	57.963	1.3148	59.460	1.3333			62.546	1.3704		
		59.738					1.3704	64.367	1.3889	65.972	45
		61.543		100			1.3889	66, 219	1.4074	67.840	46
	1.3519			64.923					1.4259	69.738	
		65.247							1 4444	71.667	
40	1 2890	67 145	1 4074	68 719	1 4950	70 394	1.4444				
50	1 4074	69 074	1.4259	70.664	1.4444	72.284	1.4630	73,935	1.4815	75.617	
-	4. 49/4	33.014	. 1200	.0.004		72,204	- 1	-			F
- 1	9	6	2	7	2	8	2	9	3	0	

TABLE L.—BASE 1.—SLOPES 11 to 1.

Γ		31		32	:	33	3	34	3	35	
Peer	Mult.	Add.	Mult	Add.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Feet.
	.5741 .5926		.5926 .6111	15.802 16.318	. 6296	16.806 17.330	. 6481	17.840 18.380	. 6667	18.904 19.460	
	.6111	15.849	.6296	16.852		17.886		18.951		20.046	
13		16.404 16.991	.6481	17.423 18.025		18.472 19.090		19.552 20.185		20.664	1
		17.608	.6852	18.657		19.738		20.186		21.319 21.991	
L		18.256	.7037	19.321	.7222	20.417	11	21.548	li .	22.70	"
		18.935	.7222	20.015		21.127		22.269		23.441	
18		19.645	.7407	20.741		21.867		23.025		24.218	
		20.386	.7598	21.497		22.639		23.812		25.018	
10	.7593	21.157	.7778	22.284	.7963	28.441	.8148	24.630	. 8333	25.849	
11	.7778	21.960	.7963	23.102	.8148	24.275	. 8333	25.478	.8519	26.718	11
12	. 7963	22.798	.8148	23.951	.8333	25.139		26.358		27.608	12
18		23.657	.8333	24.830		26,034		27.269		28.534	
14		24.552	.8519	25.741	.8704	26.960		28.210		29.491	
15	1 1	25.478	.8704	26.682	li I	27.917	11	29.182		30.478	
16		26.435	.8882	27.654	.9074	28.904		30.185		31.497	
17		27.423	.9074	28.657	.9259	29.923		31.219		32.546	
18 19		28.441 29.491	.9259	29.691 30.756	.9444	30.972 32.052		32.284	.9815 1.0000	33.627 $34.738$	
20		30.571	.9630	31.852	.9815		1.0000		1.0185	35.880	
	1 1		.9815		1.0000		11 1		li l		
21 22		81.682	1.0000		1.0185		1.0185 1.0370	35.664 36.852		37.052 38.256	
	1.0000	83.997	1.0185	35.324			1.0556		1.0336	39.491	
	1.0185	85.201		_	1.0556		1.0741		1.0926	40.756	
	1.0370	36.435	1.0556	37.793			1.0926		1.1111	42.052	
26	1.0556	87.701	1.0741	39.074	1.0926	40.478	1.1111		1.1296	43.380	
	1.0741	88.997			1.1111		1.1296		1.1481	44.738	
28	1.0926	40.324	1.1111	41.728	1.1296	43.164	1.1481	44.630	1.1667	46.127	
	1.1111	41.682		43.102			1.1667		1.1852	47.546	
30	1.1296	43.071	1.1481	44.506	1.1667	45.972	1.1852	47.469	1.2047	48.997	30
31	1.1481	44.491	1.1667	45.941	1.1852	47.423	1.2047	48.935	1.2222	50.478	31
	1.1667	45.941		47.407			1.2222		1.2407	51.991	
	1.1852	47.423			1.2222		1.2407		1.2593	53.534	
	1.2047	48.935		50.432			1.2593		1.2778	55.108	
	1.2222	50.478			1.2593		1.2778		1.2963	56.718	
	1.2407	52.052		53.580			1.2963		1.3148	58.349	
	1.2593 1.2778	58.657 55.293	1.2778	55.201	1.3148		1.3148		1.3333	60.015	
	1.2963	56.960		58.534			1.3519		1.3704	61.713 63.441	
	1.3148		1.3333	60.247	1.3519		1.3704		1.3889	65.201	40
	1.8838	- 1	1.3519	61.991	1.3704	63.627	1.3889		1.4074		41
	1.3519	62.145		63.765			1.4074		1.4259	68.812	
	1.3704		1.3889	65.571			1.4259		1.4444	70.664	
44	1.8889	65.756		67.407		69.090	1.4444	70.802	1.4630	72.546	
45	1.4074	67.608	1.4259	69.275	1.4444	70.972	1.4630		1.4815	74.460	
46	1.4259	69.491	1.4444	71.173	1.4630	72.886	1.4815	74.630	1.5000	76.404	46
47	1.4444	71.404	1.4630	73.102	1.4815	74.830		76.590		78.380	
	1.4630	73.349		75.062		76.806			1.5370	80.386	
	1.4815	75.324		77.052		78.812	1.5370	80.602	1.5556	82.423	
Pυ	1.5000	77.830	1.5185	79.074	1.5870	80.849	1.5556	82.654	1.5741	84.491	50
П	. 3	ì	35	2	3	3	3	4	3	5	

TABLE L.—BASE 1.—SLOPES 11 to 1.

	3	6	3	7	3	8	3	9	4	0	1
Feet	Mult.	Add.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Foot.
0	, 6667	20,000	. 6852	21.127	.7037	22,284	.7222	23.472	.7407	24.691	1
1	. 6852.	20, 571	.7037	21.713	.7222	22,886	.7407	24.090	. 7598		
2	.7037	21, 173	.7222	22,330	.7407	23,519	.7593	24.738	.7778	25,988	3
3	.7222	21,806	.7407	22.978	.7593	24.182	.7778		.7963	26.682	
4	.7407	22.469	.7593	23.657	.7778	24.877	.7963	26.127	.8148	27.407	и.
ħ	.7593	23.164	.7778	24.367	.7963	25.602	.8148	26.867	. 8333	28.164	E .
6	.7778	23,889	.7963	25,108	.8148	26.358	. 8333	27,639	.8519	28.951	
7	.7963	24.645	.8148	25,880	.8333	27, 145	.8519	28,441	.8704	29.769	
H	.8148	25.432	. 8333	26,682	.8519	27.963	.8704	29.275	.8889	30.617	
9	. 8333;	26, 250	.8519	27.515	.8704	28.812	.8889	30.139	.9074	31.497	1
0	. 8519	27.099	.8704	28.380	.8889	29.691	.9074	31,034	. 9259	32.407	1
11	.8704	27.978	.8889	29,275	.9074	30.602	.9259	31,960	.9444	33.349	1
9	. 8889	28, 889	.9074	30, 201	.9259	31,543	.9444	32.917	.9630		
8	,9074	29,830	. 9259	81, 157	.9444	32.515	.9630		.9815		1
14	.9259	30, 802	.9414	32,145	.9630			34.923		36.358	
6	.9444	31.806	.9630	1.00	.9815	34.552			1.0185	37.423	1
6	, 9630	32.840	.9815	34 913	1.0000	85.617		37.052	1.0370	38,519	h
	.9815	33.904		35, 293		36.713		38.164		39.645	10
	.0000	35.000			1.0370			39.306		40.802	-1
	.0185		1,0370	37.546		38.997		40.478		41,991	
	. 0370		1,0556	38,719		40.185		41.682		43, 210	
- 1	.0556	11000000	1.0741	39,923		41.404	or francisco	42.917	1	44.460	4
504.	.0741	39, 691	1.0926	41, 157				44.182		45.741	
	. 0926	40.941	1,1111		1.1296	43.935		45.478		47.052	
	1.1111		1,1296	43,719		45.247		46.806		48.395	
			1,1481			46.590			1.2047	49.769	
- 1				2227 ( 222)					100000		Е
	.1181		1.1667	46.404		47.963		49.552 50.972		51.173 52.608	
	1.1667	47, 634		47, 793		49.367	1 910	52.428		54.074	4
	1. 1832			50, 664		52.269		53.904		35.571	100
	1.2222	49,090			1. 2593	53.765		35.417		37.099	
1		A 100 CO									4
	1.2407	52.052			1.2778	55.298		56.960		58.65	
	. 2393	33.380			1.2963	56. 8.12		38.334		60.247	
	1.2778	33, 139			1.3148	58.441		60, 139		61.86.	
	2963	36.728		38.380		60, 062		61.775		63,519	
	.3148	58.349		60,015		61.713		63.441		65, 201	1
	1.3333			61,682		63, 395		65, 139		66.914	
	1, 8319	61.682			1.3889	65, 108		66.867		68.65	
		63, 393		65, 108		66. 852		68.62.		79.432	
	.3889	63. 159		66.867		68.627			1.4656	72.238	т.
		66.914		68.637		10.452		72.258		74.074	٠.
		68.719			1.4680	72.269		4. felor		75.941	
	.4444	20.356			1.4515	14,186		75.972		.7.840	
		72.425			1.5000	76, 084			1,1,870	79.769	
	4818	74.521		76.127		77.968		79. 150		62.728	
à:	7990	76. 250	1-2347	28 027	1.72.0	79.925	1.5556	£1.20£		88.719	
16.1	1 5185	75,210				81,914	3.5741	88. 412	1.7.026	85. T43	
5	1.385.	80, 200	1.3334	82. (6.2)	1.5743	88. 885	1_5926	85.849		FT. THE	
		82.222				55. 988			1. 6246		
191	1.5741	\$4.27.5	1_3.924	56.137	1 6111	85.077		90-017		11.941	
W)	1.1926	86.358	1.6211	85. 23-6	1.62%6	90.185	1.6471	92.163	1" P.B.C.	FE. 136	(A)
-	-									_	-
	- 9	6	3	- 1	3	=	. 1	9	. 4	(B)	

SDOWN SERIES.

### TABLE L.—BASE 1.—SLOPES 11 to 1.

TABLE L.—BASE 1.—SLOPES 11 to 1.

	4	6	4	7	4	8	4	9	5	0	
Feet.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Poot.
0	.8519	32,654	.8704	34.000	.8889	35.556		37.052	.9259	38.580	0
1	.8704	33,380		34.830	.9074	36,318		37.824		39.367	
2		34,136		35.602	.9259	37,099		38.627	.9630	40.185	
3	.9074	34,923	, 9259	36.404	.9444		.9630	39.460	. 9815	41.034	
4	.9259		.9141	37.23×	.9630				1.0000	41.914	
5	.9444	36.590	1100000	38.102	.9815		1.0000		1.0185	42.824	
6		37.469				40.556			1.0370	43.765	
7		38, 380				41.497				44.738	
		39.321				42.469		45,108		45.741	
		40,293					1.0926		1.1111	46,775	
	1	The Autority							200000		
		42.330 43.395					1.1111		1.1296	48.935 50.062	
		44.491					1.1481		1.1667	51.219	
1	1 1111	45.617	1 1296	47 969	1 1481		1.1667		1.1852	52.407	
		46.775					1.1852		1.2047	53.627	
		47.968	1	4000000			1.2047	The Property	1.2222	54.877	1
		49.182					1.2222		1.2407	56.157	
		50.432					1.2407		1.2593		
	1.2047		1.2222				1.2593		1.2778	58.812	
	1,2222		1.2407.	54.769	1.2593	56.543	1.2778		1,2963	60.185	
	1.2407		1.2593	56.127		57.917	1.2963	59.738	1.3148	61.590	2
	1.2593		1.2778		1.2963		1.3148		1.3333	63.025	
	1.2778		1.2963		1.3148		1.8333		1.3519	64.491	
	1.2963		1.3148		1.3333		1.3519		1.3704	65.988	
	1.3148		1.3333		1.3519	63.719	1.3704	65.602	1.3889	67.515	2
26	1.3333	61.548	1.3519	63.380	1.8704	65.247	1.3889	67.145	1.4074	69.074	26
	1.3519			64.923			1.4074		1.4259	70.664	
85	1.3704		1.3889		1.4074	68.395	1.4259	70.324	1.4444	72.284	28
99	1.3889	66,219	1.4074;	68.102			1.4444	71.960	1.4630	73.935	2
3()	1.4074	67.840	1.4259	69.738	1.4444	71.667	1.4630	73.627	1.4815	75.617	30
31	1,4259	69, 491	1.4444	71.404	1.4630	73.349	1.4815	75.324	1.5000	77.330	31
32	1.4444	71,173	1.4630	73.102	1.4815	75.062	1.5000	77.052	1.5185	79.074	32
	1.4630		1.4815		1,5000		1.5185	78.812	1.5370		
	1.4815		1.5000		1.5185.		1.5370		1,5556		
	1.5000		1.5185		1.5370		1.5556	82.423	1.5741	84.491	36
36	1.5185	78.210	1.5370	80.201	1.5556	82, 222	1.5741		1.5926		
37	1.5370	80,046	1.5556	82.052	1.5741		1.5926		1.6111	88.256	
		81.914							1.6296		
		83.812						90.015			
	20000	85.741							1,6667	94.136	
	1.6111			89.769				93.997			
		89.691		91.725	1.6667	93.889	1.6852	96.034	1.7037	98.210	1
	1.6481	91.718	1.6667	95.812	1.0802	95.941	1 7999	100 201	1 7407	100.293	1
	1.6667		1.7037	95.880		100.139					
	C. C. C. Z.	92.7000				10 KK	5 6 6 6				
16		97.963									
10	1. 1222	100.108 102.284	1 7599	101 460	1 7774	106 667	1 7963	108 904	1 8149	111 179	i.
0	1 7592	104.491	1.7778	106.689	1.7963	108.904	1.8148	111 157	1.8333	118 441	19
0	1.7778	106.728	1.7963	108.935	1.8148	111.173	1.8333	113.441	1.8519	115.741	50
1			7 2 5 5 5		-			505A-56		000000	L
		6	4	7	4	8	4	9	5	0	
М	4	U	4		- 4	U	4	J	0	U	

### TABLE LL.—BASE 1.—SLOPES 11 to 1.

		1		2	1 13	3		1		5	Н
Feet.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Feet.
0	.0185	.019	.0370	.074	. 0556	.167	.0741	. 296	.0926	. 463	0
1	.0370	.056	.0556	.130	.0741	. 241	.0926	.389	.1111	.574	1
2	.0556	.130	.0741	.222	.0926	. 352	.1111	.519	. 1296	.722	2
3	.0741	.241	.0926	. 352	.1111	.500	.1296	. 685	.1481	.907	3
	.0926	.389	.1111	.519	.1296	. 685	.1481	.889	.1667	1.130	4
4 5	.1111	.574	.1296	.722	.1481	.907	.1667	1.130	.1852	1.389	
- 1		100000000000000000000000000000000000000	.1481	.963	.1667	1.167	.1852	1.407	.2037	1.685	6
6	.1296	.796	.1667	1.241	.1852	1.463	. 2087	1.722	.2222	2.019	7
7	.1481	1.056	.1852		.2037	1.796	.2222	2.074	.2407	2.389	
8	.1667	1.352		1.556			.2407	2.463	.2593	2.796	
9	.1852	1.685	.2037	1.907	. 2222	2.167	.2593	2.889	.2778	3.241	
0	.2037	2.056	. 2222	2.296	.2407	2.574		100 mm market 100 mm			100
1	. 2222	2.463	.2407	2.722	. 2593	3.019	.2778	3.352	. 2963	3.722	
2	. 2407	2.907	.2593	3.185	.2778	3.500	. 2963	3.852	.3148	4.241	
3	. 2593	3.889	.2778	3.685	. 2963	4.019	.3148	4.389	. 3333	4.796	
4	.2778	3.907	.2963	4.222	.3148	4.574	. 3333	4.963	.3519	5.389	14
5	. 2963	4.463	.3148	4.796	. 3333	5.167	. 3519	5.574	.3704	6.019	15
	1.70	100000000000000000000000000000000000000	.8333	100000000000000000000000000000000000000	. 8519	5.796	.3704	6.222	. 3889	6.685	
6	.3148	5.056		5.407	.8704	6.463	.3889	6.907	.4074	7.389	
7	. 3333	5.685	.8519	6.056			.4074	7.630	.4259	8.130	
8	. 3519	. 6. 352	.3704	6.741	.3889	7,167					
9	.3704	7.056	.3889	7.463	.4074	7.907	.4259	8.889	.4444	8.907	
0	.3889	7.796	.4074	8.222	. 4259	8.685	.4444	9.185	.4630	9.722	-
1	.4074	8.574	.4259	9.019	. 4444	9.500	.4630	10.019	.4815	10.574	21
2	.4259	9.389	.4444	9.852	.4630	10.352	.4815	10.889	.5000	11.463	22
3	. 4444	10.241	.4630	10.722	. 4815	11.241	.5000	11.796	.5185	12.389	23
4	.4630	11.130	.4815	11.630	.5000	12.167	.5185	12.741	.5370	13.352	24
5	.4815	12.056	.5000	12.574	.5185	13:130	.5370	13.722	.5556	14.352	
- 1		400	1000000	100000000000000000000000000000000000000	A 71 SATE	FEET ALC: A SECTION OF THE PERSON OF THE PER	.5556	14.741	.5741	15.389	
26	.5000	13.019	.5185	13.556	.5370	14,130			.5926	16.463	26
27	.5185	14,019	.5370	14.574	. 5556	15.167	.5741	15.796			
8	.5370	15.056	. 5556	15.630	.5741	16.241	.5926	16.889	.6111	17.574	
9	. 5556	16.130	.5741	16.722	.5926	17.352	. 6111	18.019	. 6296	18,722	
0	.5741	17.241	.5926	17.852	.6111	18.500	. 6296	19,185	. 6481	19.907	30
ul	. 5926	18.389	.6111	19.019	.6296	19.685	. 6481	20.389	. 6667	21.130	31
2	.6111	19.574	.6296	20.222	. 6481	20,907	. 6667	21.630	. 6852	22.389	32
3	6296	20.796	.6481	21.463	.6667	22.167	. 6852	22.907	.7037	23.685	33
4	. 6481	22,056	.6667	22.741	. 6852	23,463	.7037	24.222	.7222	25.019	34
5	. 6667		.6852	24.056	.7037	24.796	.7222	25.574	.7407	26.389	
-1	1000	23,352	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Tax and the second	1071000000	2000			I PROTECTION		
6	.6852	24.685	.7037	25.407	.7222	26.167	.7407	26.963	.7593	27.796	36
7	.7037	26.056	.7222	26.796	. 7407	27.574	.7593	28.389	.7778	29.241	
8	.7222	27.463	.7407	28.222	.7593	29,019	.7778	29.852	.7968	80.722	
9	.7407	28.907	.7593	29.685	.7778	30.500	.7963	31,352	.8148	32.241	
0	.7593	30.389	.7778	31, 185	.7963	32,019	.8148	32,889	. 8333	33.796	40
1	.7778	31.907	.7963	32,722	.8148	83.574	. 8333	34.463	.8519	35.389	41
2	.7963	33.468	.8148	34.296	. 8333	35.167	.8519	36.074	8704	37.019	
3	.8148	35.056	.8333	35.907	.8519	86.796	.8704	87.722	.8889	38.685	
4	.8333	36.685	.8519	37.556	.8704	38.463	.8889	39.407	.9074	40.389	
					.8889	40.167	.9074	41.130	.9259	42,130	
5	.8519	38.352	.8704	39.241	14/2/2014	F 146/2 2 2 2	1000000	1	1 1		
6	.8704	40.056	.8889	40.963	.9074	41.907	.9259	42.889	.9444	43.907	
7	.8889	41.796	.9074	42.722	.9259	43.685	.9444	44.685	.9630	45.722	
8	,9074	43.574	.9259	44.519	.9444	45.500	.9630	46.519	.9815	47.574	
19	.9259	45.389	.9444	46.352	.9630	47.352	.9815	48.389	1.0000	49,463	
0	.9444	47.241	,9630	48.222	,9815	49,241	1.0000	50.296	1.0185	51.389	50
-			- 1								
- 1		1	5	1		3 .	4		5		

SECOND SERIES. 275

### TABLE LI.—BASE 1.—SLOPES 11 to 1.

	6		7	7	8	3		)	1	0	1
Frei.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Foot
0	.1111	. 667	.1296	.907	. 1481	1.185	.1667	1.500	.1852	1.852	T
1	. 1296	. 796	.1481	1.056	.1667	1.352	.1852	1.685	.2037	2.056	
2	.1481	.963	.1667	1.241	.1852	1.556	. 2037	1.907	. 2222	2.296	
3	. 1667	1.167	.1852	1.463	.2037.	1.796	. 2222	2.167	.2407	2.574	
4	. 1852	1.407	. 2037	1.722	. 2222	2.074	.2407	2.463	.2593	2.889	
5	. 2037	1.685	. 2222	2.019	. 2407	2.389	.2593	2.796	.2778	3.241	
6	. 2222	2.000	.2407	2.352	. 2593	2.741	.2778	3.167	.2963	3.630	
7	.2407	2.352	.2593	2.722	.2778	3.130	.2963	3.574	.3148	4.056	
8	.2593	2.741	.2778	3.130	.2963				.3333		
9	.2778	3, 167	.2963		.3148	3.556	.3148	4,019		4.519	
0	.2963	3,630		3.574		4.019	.3333	4,500	.3519	5.019	
	1000		.3148	4.056		4.519	. 3519	5.019	.3704	5.556	1
1	.3148	4,130	. 3333	4.574	.3519	5.056	.3704	5.574	.3889	6.130	1
2	. 3333	4.667	.3519	5.130	.3704	5.630	.3889	6.167	.4074	6.741	1
3	. 3519	5.241	.3704	5.722	. 3889	6.241	.4074:	6.796	. 4259	7.389	
4	. 3704	5.852	.3889	6.352	.4074	6,889	. 4259	7.463	.4444	8.074	
5	.3889	6:500	.4074	7.019	.4259	7.574	.4444	8.167	.4630	8.796	
6	.4074	7.185	. 4259	7.722	.4144	8.296	.4630	8.907	.4815	9.556	1
7	.4259	7.907	.4444	8.463	.4630				.5000		
8	.4444	8.667	.4630	9.241	.4815	9.056	.4815	9.685		10.352	
9	.4630	9.463	.4815	10.056		9.852	.5000	10.500	.5185	11.185	
0	.4815	10,296			.5000	10,685	.5185		.5370	12.056	
- 1			.5000	10.907			.5370	12.241	. 5556	12,963	
1	. 5000	11.167	.5185	11.796	. 5370	12.468	.5556	13.167	.5741	13.907	12
2	.5185	12.074	.5370	12.722	. 5556	13.407	.5741	14.130	. 5926	14.889	2
3	.5370	13.019	35.56	13.685	.5741	14.389	.5926	15, 130	.6111	15.907	12
14	. 5556	14.000	.5741	14.685	. 5926	15.407	.6111	16, 167	. 6296.	16.963	2
5	.5741	15.019	.5926	15.722	.6111	16.463		17.241	. 6481	18.056	2
6	. 5926	16.074	.6111	16.796	. 6296	17.556	. 6481	18,352	. 6667	19,185	1
7	THE PARTY	17.167	.6296	17.907	.6481	18,685	.6667	19.500	. 6852	20.352	
8		18, 296	.6481	19.056	. 6667	19.852					
9	.6481	19.463	.6667	20.241	.6852		. 6852	20.685	7222	21.556 22.796	
o	. 6667	20.667	.6852	21.463	.7037	21.056	. 7037	21.907			
21			200			Control of the second	.7222	23, 167	.7407	24.074	1
1	. 6852	21.907	.7037	22.722	.7222	23,574	.7407	24.463	. 7593	25.389	
2	.7037	23, 185	· · · · · · · · · · · · · · · · · · ·	24.019	.7407	24.889	.7593	25.796	.7778	26.741	
3	. 7222	24,500		25,352	.7593	26.241	.7778	27.167	.7963	28,130	13
1	.7407	25, 852		26.722	.7778	27.630	.7963	28,574	.8148	29.556	13
ü	.7593	27.241	.7778	28.130	. 7963	29.056	.8148	30.019	. 8333	31.019	13
6	.7778	28.667	.7963	29,374	.8148	30.519	.8333	31.500	.8519	32.519	13
7	.7963	30, 120		31.056	.8333	32.019	.8519	33.019	.8704	34.056	
8	.8118	31,630	.8333	32.574	.8519	33.556	.8704	34.574		35.630	
9	.8333	33, 167	.8519	34, 130		35, 130		36.167		37.241	
0	.8519	31.741	.8704	35.720	.8889	36,741	.9074	37.796		38.889	
1	.8701	36,352	.8889	37.352		and the second	The State of the S				٠.
9	1919.	38,000			.9074	38.389	.9259	39.463		40.574	
3	.0071	39.685	.9074	39.019	.9259	40.074	.9444	41.167		42.296	
1			.9259	40.722	.9444	41.796	.9630	42.907		44.056	
		41.407	.9144	42, 463	.9630	43.556		44.683		45.852	
3	.9414	43.167	.9630	44,241	.9815	45.352	1.0000	46.500		47.685	14
6	9650	44.963			1.0000	47.185	1.0185	48.352	1 0370	49.556	4
Ŧ,		46, 796		47.907		49.056		50,241		51,463	
	1. thuch.	18.657	1.0185	49.796	1.0370			52.167		53.407	
9	1.0185	50.574	1.0370	51.722	1.0556	52.907			1.0926	55.389	
m	1.0370	52.519	1.0556	53.685				56.130		57.407	
							1				

# FABLE LI.—BASE 1.—SLOPES 1½ to 1.

	1	1 .	1	2	.1	3	1	4	1	5	
Feet.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Pest.
0	.2037	2.241	.2222	2.667	. 2407	3.130	. 2593	3.630	.2778	4.167	-
1	. 2222	2.463	.2407	2.907	.2593	3.389	.2778	3.907	. 2963	4.463	
2	.2407	2.722	.2593	3.185	.2778	8.685	. 2963	4.222	.3148	4.796	
3	. 2593	3.019	.2778	3.500	. 2963	4.019	.3148	4.574	.3333	5.167	1
4	.2778	3.352	.2963	3.852	.3148	4.389	. 3333	4.963	.3519	5.574	
5	. 2963	3.722	.3148	4.241	.3333	4.796	.3519	5.389	.3704	6.019	
6	.3148	4.130	.3333	4.667	.3519	5.241	.8704	5.852	.3889	6.500	
7	. 3333	4.574	. 3519	5.130	.3704	5.722	.3889	6.352	.4074	7.019	
8	. 3519	5.056	.3704	5.630	.3889	6.241	.4074	6.889	.4259	7.574	
9	.3704	5.574	.3889	6.167	.4074	6.796	.4259	7.463	.4444	8.167	
0	.3889	6.130	.4074	6.741	.4259	7.389	.4444	8.074	.4630	8.796	
11	.4074	6.722	.4259	7.352	.4444	8.019	.4630	8.722	. 4815	9.463	1
12	.4259	7.352	.4444	8.000	.4630	8,685	.4815	9.407	.5000	10.167	
13	.4444	8.019	.4630	8.685	.4815	9.389	.5000	10.130	.5185	10.907	i
14	.4630	8.722	.4815	9.407	.5000	10.130	.5185	10,889	.5370	11.685	
15	.4815	9.463	.5000	10.167	.5185	10.907	.5370	11.685	. 5556	12.500	
16	.5000	10.241	.5185	10.963	.5370	11.722	.5556	12.519	.5741	13.352	
17	.5185	11.056	.5370	11.796	.5556	12.574	.5741	13.389	.5926	14.241	1
18	.5370	11.907	.5556	12.667	.5741	13.468	.5926	14.296	.6111	15.167	1
19	.5556	12.796	.5741	13.574	.5926	14.389	.6111	15.241	. 6296	16.130	
90	.5741	13.722	.5926	14.519	.6111	15.352	. 6296	16.222	. 6481	17.130	
21	.5926	14.685	.6111	15.500	. 6296	16.352	. 6481	17,241	.6667	18.167	
22	.6111	15.685	.6296	16.519	.6481	17.389	.6667	18.296	.6852	19.241	2
23	. 6296	16.722	.6481	17.574	.6667	18,463	. 6852	19.389	.7037	20.352	
24	. 6481	17.796	.6667	18.667	. 6852	19.574	.7037	20.519	.7222	21.500	
25	.6667	18.907	. 6852	19.796	.7037	20.722	.7222	21.685	.7407	22.685	
26	. 6852	20.056	.7037	20,963	.7222	21.907	.7407	22.889	.7593	23.907	
27	.7037	21,241	.7222	22.167	.7407	23.130	.7593	24.130	.7778	25.167	
28	.7222	22.463	.7407	23.407	.7593	24.389	.7778	25.407	.7963	26.463	
29	.7407	23.722	.7593	24.685	.7778	25.685	.7963	26.722	.8148	27.796	
30	. 7593	25.019	.7778	26.000	.7963	27.019	.8148	28.074	.8333	29.167	
31	.7778	26.352	. 7963	27.352	.8148	28.389	.8333	29.468	.8519	30.574	15
32	.7963	27.722	.8148	28.741	.8333	29.796	.8519	30.889	.8704	32.019	
33	.8148	29.130	.8333	30.167	.8519	31.241	.8704	32.352	.8889	33.500	
34	. 8333	30.574	.8519	31.630	.8704	32.722	.8889	33.852	.9074	35.019	
35	.8519	32.056	.8704	33.130	.8889	34.241	.9074	35.389	.9259	36.574	
36	.8704	33.574	.8889	34.667	.9074	35.796	.9259	36.963	.9444	88.167	
37	.8889	35.130	.9074	36.241	.9259	37.389	.9444	38.574	.9630	39.796	
38	.9074	36.722	.9259	37.852	.9444	39.019	.9630	40.222	.9815	41.463	
39	.9259	38.352	.9444	39.500	.9630	40.685	.9815	41.907		43.167	
Ю	.9444	40.019	.9630	41.185	.9815	42.389	1.0000	43.630		44.907	
1	.9630	41.792	.9815		1.0000	44.130	1.0185	45.389	2000000	46.685	
12	.9815		1.0000	44.667		The state of the s	1.0370	47.185		48.500	
	1.0000		1.0185		1,0370		1.0556	49.019		50.352	
	1.0185		1.0370		1.0556	49.574		50.889		52.241	
	1.0370		1.0556	50.167			1.0926	52.796		54.167	
	1.0556	50.796		300	1.0926	53.389	1100000	54.741	100	56.130	
	1.0741		1.0926	54.019			1.1296	56.722		58.130	
	1.0926	54.685			1.1296	57.352		58.741		60.167	
	1.1111		1.1296	58.019			1.1667	60.796		62.241	
	1.1296	58.722			1.1667		1.1852	62.889		64.352	
4					203.01					22.002	1
f	1	1	1	2	1	3	1	4	1	E	Г

### TABLE LI.—BASE 1.—SLOPES 11 to 1.

1	1	6	1	7	1	8	1	9	2	0	1
Leet.	Mult.	Add.	Mult.	Add,	Mult.	Add.	Mult.	Add.	Mult.	Add.	Foot.
0	.2963	4.741	.3148	5,352	.3333	6.000	.3519	6.685	. 3704	7.407	
1	.3148	5.056		5.685	. 3519	6.352	.3704	7.056	.3889	7.796	
2	. 3333	5.407	.3519	6.056	.3704	6.741	.3889	7.463	.4074	8.222	B
3	. 3519	5.796		6.463		7.167	.4074	7.907	.4259	8.685	
	.8704	6.222	the state of the	6.907	.4074	7.630		8.389	.4444	9.185	ı.
4 5	.3889	6.685	.4074	7.389	. 4259	8,130		8.907	.4630	9.722	
- 1	9 5 5 5 5 5 5	1 10 1 2 2 2 2		10000	.4444	8.667	.4630	9.463	.4815	10.296	
6	.4074	7.185	.4259	7.907			.4815	10.056	.5000	10.907	
7	.4259	7.722	.4444	8.463	.4630	9.241			.5185	11.556	
8	.4444	8.296	.4630	9.056	.4815	9.852	.5000	10.685		12.241	
9	.4630	8.907	.4815	9.685	.5000	10.500		11.352			
0	. 4815	9.556	.5000	10.352	.5185	11.185	.5370	12.056		12.963	
1	.5000	10,241	.5185	11.056	.5370	11,907	. 5556	12.796	.5741	13.722	
2	.5185	10.963	.5370	11.796	. 5556	12.667	.5741	13.574	.5926	14.519	1
3	.5370	11.722		12.574	. 5741	13.463	.5926	14.389	.6111	15.352	13
4	.5556	12.519		13,389	the second second	14.296		15.241	. 6296	16.222	1
5	.5741	13.352		14.241	.6111	15, 167	.6296	16, 130	. 6481	17.130	1
- 1		20.00	1000	MOST ACTIVE		16.074	1	17.056	7 20 20	18.074	1
6	.5926	14,222	.6111	15.130	. 6296					19.056	
7	.6111	15, 130		16.056				18.019			
8		16.074	. 6481	17.019				19.019	.7037	20.074	
9	.6481	17.056		18,019		19.019		20,056	.7222	21.130	
0	. 6667	18,074	. 6852	19.056	.7037	20.074	.7222	21,130		22, 222	2
1	. 6852	19, 130	.7037	20,130	.7222	21.167	.7407	22.241	.7593	23.352	2
2	.7037	20.222	.7222	21.241	.7407	22.296		23.389	.7778	24.519	2
	.7222	21.352	.7407	22,389		23.463		24.574	.7963	25.722	
3			.7593	23.574		24,667	.7963	25,796	.8148	26.963	
24	.7407	22,519				25.907	.8148	27.056	.8333	28.241	
25	.7593	23.722	1		10000	American Street	100000	C. C. C.			
26	.7778	24.963		26.056		27.185		28.352	,8519	29.556	
27	.7963	26, 241	.8148	27.352	.8333	28.500		29,685	.8704	30.907	
28	.8148	27.556	. 8333	28.685	.8519	29.852	.8704	31.056	.8889	32.296	
29	.8333	28.907	.8519	30.056	.8704	31,241	.8889	32.463	.9074	33.722	
30		30,296	.8704	31.463	.8889	32.667	.9074	83.907	.9259	35.185	3
31	.8704	31,722	1000	32,907		34.130	.9259	35.389	.9444	36.685	3
				34.389		35.630	10 20001	36.907	.9630	38, 222	
12	.8889	33.185		35.907	.9144		.9630	38.463		39.796	
13		34.685							1.0000	41.407	
14	.9259	36, 222				38.741		11 625	1.0185	43.056	
35	.9444	37.796	The second second	The same of the same		40.352		1			
6	.9630	39.407	.9815	40.685	1.0000	42,000	1.0185	43.352		44,741	
17	.9815	41.036	1.0000	42.352	1.0185	43.685	1.0370	45.056	1.0556	46.463	
	1.0000	42,741	1.0185	44,056	1.0370	45.407	1.0556	46.796	1.0741	48,222	3
	1.0185	44,463	1.0370	45.796	1.0556	47, 167	1.0741	48.574	1.0926	50.019	3
	1.0370		1.0556			48,963	1.0926	50.389	1.1111	51,852	4
- 1	F 17		1.0741	The second second		50.796	1 10 CC 11	Acres Services	1.1296	53.722	4
	1.0556						1.1296		1.1481	55.630	
	1.0741		1.0926				1.1481	56.056		57.574	
	1.0926		1.1111		1.1296					59.556	
	1.1111		1.1296		1.1481		1.1667		1.2047	61.574	
5	1.1296	15 San 155	1.1481	57.019			1.1852				
6	1.1481	57.556	1.1667	59.019	1.1852		1.2047	62.056		63,630	
	1.1667		1.1852		1.2047.	62.574	1.2222	64.130		65.722	
	1.1852		1.2047		1.2222	64.667		66.241	1.2593	67.852	
	1.2047		1.2222	65.241			1.2593	68.389	1.2778	70.019	4
	1.2222	65.859	1.2407			68.963			1.2963	72.222	5
-		70.002			212444						-
	1	6		7		8		9		0	1

TABLE LI.—BASE 1.—SLOPES 11 to 1.

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 14 15 16 17 18 19 19 19 19 19 19 19 19 19 19 19 19 19	Mult.  . 3889 . 4074 . 4259 . 4444 . 4630 . 5185 . 5500 . 5185 . 5741 . 5926 . 6481 . 6667 . 6852 . 7037 . 7593 . 7778 . 7963 . 8148	8.167 8.574 9.019 9.500 10.019 10.574 11.167 11.796 12.468 13.167 13.907 14.685 15.500 16.352 17.241 18.167 19.130 20.130 21.167 22.241 23.352 24.500 25.685	Mult 4074 . 4259 . 4444 . 4630 . 4815 . 5000 . 5185 . 5370 . 5556 . 6741 . 5926 . 6111 . 6296 . 6481 . 6667 . 6852 . 7037 . 7222 . 7407 . 7593 . 7778 . 7963	Add.  8, 963 9, 389 9, 852 10, 352 10, 352 11, 463 12, 074 12, 722 13, 407 14, 130 14, 889 15, 685 16, 519 17, 389 18, 296 19, 241 20, 222 21, 241 20, 222 21, 241 22, 23, 389 24, 519	Mult 4259 . 4444 . 4630 . 4815 . 5000 . 5185 . 5370 . 5556 . 5741 . 5926 . 6111 . 6296 . 6481 . 6667 . 6852 . 7037 . 7222 . 7407 . 7593 . 7778	Add.  9.796 10.241 10.722 11.241 11.796 12.389 13.019 13.685 14.389 15.130 15.907 16.722 17.574 18.463 19.389 20.352 21.352 22.389 23.463	Mult.  .4444 .4630 .4815 .5000 .5185 .5370 .5556 .5741 .6296 .6411 .6296 .6487 .7222 .7407 .7593 .7778	Add.  10.667 11.130 11.630 12.167 12.741 13.352 14.000 14.685 15.407 16.167 16.963 17.796 18.667 19.574 20.519 21.500 22.519 23.574	Mult.  .4680 .4815 .5000 .5185 .5370 .5556 .5741 .5926 .6111 .6296 .6481 .6667 .7037 .7222 .7407 .7593	Add.  11.574 12.056 12.574 13.130 13.722 14.352 15.019 16.463 17.241 18.056 18.907 19.796 20.722 21.685 22.685	11 22 84 44 55 66 77 88 99 100 113 121 133 144
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 6 7 18 19 20 1 22 23 24 25 26 27 8 28 28 3 1 2 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	.4074 .4259 .4444 .4630 .5185 .5370 .5556 .5741 .5926 .6111 .6296 .6481 .6667 .7037 .7222 .7407 .7593 .7778 .77963	8.574 9.019 9.500 10.019 10.574 11.167 11.796 12.463 13.167 13.907 14.685 15.500 16.352 17.241 18.167 19.130 20.130 21.167 22.241 23.352 24.500 25.685	.4259 .4444 .4630 .5000 .5185 .5370 .5556 .5741 .6296 .6481 .66852 .7037 .7222 .7407 .7593 .7778	9, 389 9, 852 10, 352 10, 889 11, 463 12, 074 12, 722 13, 407 14, 130 14, 889 15, 685 16, 519 17, 389 18, 296 19, 241 20, 222 21, 241 20, 222 21, 249 23, 389 24, 519	.4444 .4630 .4815 .5000 .5185 .5370 .5556 .5741 .5926 .6111 .6296 .6481 .6667 .6852 .7037 .7222 .7407 .7593	10. 241 10. 722 11. 241 11. 796 12. 389 13. 019 13. 685 14. 389 15. 130 15. 130 16. 722 17. 574 18. 463 19. 389 20. 352 21. 352 22. 389 23. 463	.4630 .4815 .5000 .5185 .5370 .5556 .5741 .6296 .6111 .6296 .6481 .6667 .6852 .7037 .7222 .7407 .7593	11. 130 11. 630 12. 167 12. 741 13. 352 14. 000 14. 685 15. 407 16. 167 16. 167 19. 574 20. 519 21. 500 22. 519 23. 574	.4815 .5000 .5185 .5870 .5556 .5741 .6996 .6111 .6296 .6481 .6667 .7037 .7292 .7407	12.056 12.574 18.130 13.722 14.352 15.019 15.722 16.463 17.241 18.056 18.907 19.796 20.722 21.685 22.685 23.722	11 22 84 44 55 66 77 88 99 100 113 121 133 144
2 3 4 5 6 7 8 9 10 112 113 114 15 6 17 8 19 2 12 2 2 3 4 2 2 5 6 2 7 8 2 3 3 1 2 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3	. 4259 . 4444 . 4630 . 4815 . 5000 . 5185 . 5370 . 5556 . 5741 . 6296 . 6411 . 6296 . 6481 . 6667 . 7037 . 7222 . 7407 . 7593 . 7778 . 77963	9.019 9.500 10.019 10.574 11.167 11.796 12.463 13.167 14.685 15.500 16.352 17.241 18.167 19.130 20.130 21.167 22.241 23.352 24.500 25.685	.4444 .4630 .4815 .5000 .5185 .5370 .5556 .5741 .6296 .6481 .6667 .7087 .7222 .7407 .7593 .7778 .7968	9.852 10.352 10.889 11.463 12.722 13.407 14.130 14.889 15.685 16.519 17.389 18.296 19.241 20.222 21.241 22.2389 24.519	.4680 .4815 .5000 .5185 .5370 .5556 .5741 .5926 .6111 .6266 .6481 .6667 .6852 .7037 .7222 .7407 .7593	10.722 11.241 11.796 12.389 13.019 13.685 14.389 15.130 15.907 17.574 18.463 19.389 20.352 21.352 22.389 23.463	.4815 .5000 .5185 .5370 .5556 .5741 .5926 .6111 .6296 .6481 .6667 .7037 .7222 .7407 .7593	11.630 12.167 12.741 13.352 14.000 14.685 15.407 16.167 16.963 17.796 18.667 19.574 20.519 21.500 22.519 23.574	.5000 .5185 .5376 .5556 .5741 .5926 .6111 .6296 .6481 .6667 .7037 .7222 .7407	12.574 13.130 13.722 14.352 15.019 15.722 16.463 17.241 18.907 19.796 20.722 21.685 22.685	22 84 45 66 77 88 91 10 11 11 12 13 14
3 4 5 6 7 8 9 10 1112 3 114 115 16 17 18 19 20 1 22 23 24 5 6 22 8 9 3 3 1 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	.4444 .4630 .4815 .5000 .5185 .5370 .5556 .5741 .5926 .6111 .6296 .6481 .6667 .7037 .7222 .7407 .7593 .7778 .7778	9.500 10.019 10.574 11.167 11.796 12.468 13.167 13.907 14.685 15.500 16.352 17.241 18.167 20.130 21.167 22.241 23.352 24.500 25.685	.4630 .4815 .5000 .5185 .5370 .5556 .5741 .5926 .6111 .6296 .6481 .6667 .6852 .7037 .7222 .7407 .7593 .7778	10. 352 10. 889 11. 463 12. 074 12. 722 13. 407 14. 130 15. 685 16. 519 17. 389 18. 296 19. 241 20. 222 21. 241 22. 236 23. 389 24. 519	.4815 .5000 .5185 .5370 .5556 .6741 .5926 .6111 .6296 .6485 .7037 .7292 .7407 .7593	11. 241 11. 796 12. 389 13. 019 13. 685 14. 389 15. 130 15. 907 16. 722 17. 574 18. 463 19. 389 20. 352 21. 352 22. 389 23. 463	.5000 .5185 .5370 .5556 .5741 .5926 .6111 .6296 .6481 .6667 .6852 .7037 .7222 .7407	12.167 12.741 13.352 14.000 14.685 15.407 16.167 16.963 17.796 18.667 19.574 20.519 21.500 22.519 23.574	.5185 .5370 .5556 .5741 .5926 .6111 .6296 .6481 .6667 .6852 .7037 .7222 .7407	18.130 13.722 14.352 15.019 15.722 16.463 17.241 18.056 19.796 20.722 21.685 22.685	8 44 55 66 77 8 8 9 10 11 11 11 11 11 11 11 11 11 11 11 11
4 5 6 7 8 9 10 11 11 12 13 13 14 14 15 16 16 17 18 19 19 19 19 19 19 19 19 19 19 19 19 19	.4630 .4815 .5000 .5185 .5370 .5556 .5741 .5926 .6111 .6296 .6481 .6667 .6852 .7037 .7222 .7407 .7593 .7778 .7963	10.019 10.574 11.167 11.796 12.468 13.167 13.907 14.685 15.500 16.352 17.241 18.167 19.130 20.130 21.167 22.241 23.352 24.500 25.685	.4815 .5000 .5185 .5370 .5556 .6741 .5926 .6111 .6296 .6481 .6667 .6852 .7037 .7222 .7407 .7593 .7778	10. 889 11. 463 12. 074 12. 722 13. 407 14. 130 14. 889 15. 685 16. 519 17. 389 18. 296 19. 241 20. 222 21. 241 22. 296 23. 389 24. 519	.5000 .5185 .5370 .5556 .5741 .5926 .6111 .6296 .6481 .6667 .6852 .7037 .7222 .7407 .7593	11. 796 12. 389 13. 019 13. 685 14. 389 15. 130 15. 907 16. 722 17. 574 18. 463 19. 389 20. 352 21. 352 22. 389 23. 463	.5185 .5370 .5556 .5741 .5926 .6111 .6296 .6481 .66852 .7037 .7222 .7407	12.741 13.352 14.000 14.685 15.407 16.167 16.963 17.796 18.667 19.574 20.519 21.500 22.519 23.574	.5370 .5556 .5741 .5926 .6111 .6296 .6481 .6667 .6852 .7037 .7222 .7407	18, 722 14, 352 15, 019 15, 722 16, 463 17, 241 18, 056 18, 907 19, 796 20, 722 21, 685 22, 685 23, 722	4 5 6 7 8 9 10 11 11 12 14
5 6 7 8 9 10 1112 113 114 15 16 17 18 9 20 1 22 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	.4815 .5000 .5185 .5370 .5556 .6741 .5926 .6111 .6296 .6481 .6667 .6852 .7037 .7222 .7407 .7593 .7778 .7798	10.574 11.167 11.796 12.463 13.167 18.907 14.685 15.500 16.352 17.241 18.167 19.130 20.130 21.167 22.241 23.352 24.500 25.685	.5000 .5185 .5370 .5556 .5741 .5926 .6111 .6296 .6481 .6667 .6852 .7037 .7292 .7407 .7593 .7778	11. 463 12. 074 12. 722 13. 407 14. 130 14. 889 15. 685 16. 519 17. 389 18. 296 19. 241 20. 222 21. 241 22. 296 23. 389 24. 519	.5185 .5370 .5556 .5741 .5926 .6111 .6296 .6481 .6667 .6852 .7037 .7222 .7407 .7593	12.389 13.019 13.685 14.389 15.130 15.907 16.722 17.574 18.463 19.389 20.352 21.352 22.389 23.463	.5370 .5556 .5741 .5926 .6111 .6296 .6481 .6667 .6852 .7037 .7222 .7407	13.352 14.000 14.685 15.407 16.167 16.963 17.796 18.667 19.574 20.519 21.500 22.519 23.574	.5556 .5741 .5926 .6111 .6296 .6481 .6667 .6852 .7037 .7222 .7407	14.352 15.019 15.722 16.463 17.241 18.056 18.907 19.796 20.722 21.685 22.685	10 11 11 11 11 11 11 11 11 11 11 11 11 1
6 7 8 9 10 11 12 13 14 14 15 16 17 18 19 20 21 22 22 23 24 22 25 36 26 27 28 28 28 28 28 28 28 28 28 28 28 28 28	.5000 .5185 .5370 .5556 .5741 .5926 .6111 .6296 .6481 .6667 .6852 .7037 .7222 .7407 .7593 .7778 .7963	11.167 11.796 12.463 13.167 13.907 14.685 15.500 16.352 17.241 18.167 19.130 20.130 21.167 22.241 23.352 24.500 25.685	.5185 .5370 .5556 .5741 .5926 .6111 .6296 .6481 .6667 .6852 .7037 .7222 .7407 .7593 .7778	12.074 12.722 13.407 14.130 14.885 15.685 16.519 17.389 18.296 19.241 20.222 21.241 22.296 23.389 24.519	.5370 .5556 .5741 .5926 .6111 .6296 .6481 .6667 .7037 .7222 .7407 .7593 .7778	13.019 13.685 14.389 15.130 15.907 16.722 17.574 18.463 19.389 20.352 21.352 22.389 23.463	.5556 .5741 .5926 .6111 .6296 .6481 .6667 .6852 .7037 .7222 .7407 .7593	14.000 14.685 15.407 16.167 16.963 17.796 18.667 19.574 20.519 21.500 22.519 23.574	.5741 .5926 .6111 .6296 .6481 .6667 .6852 .7037 .7222 .7407	15.019 15.722 16.463 17.241 18.056 18.907 19.796 20.722 21.685 22.685	111111111111111111111111111111111111111
7 8 9 10 11 12 13 14 14 15 16 17 18 19 22 22 23 24 22 25 26 27 28 28 28 28 28 28 28 28 28 28 28 28 28	.5185 .5370 .5556 .5741 .5926 .6111 .6296 .6481 .6667 .7037 .7222 .7407 .7593 .7778 .7963	11. 796 12. 463 13. 167 13. 907 14. 685 15. 500 16. 352 17. 241 18. 167 19. 130 20. 130 21. 167 22. 241 23. 352 24. 500 25. 685	.5370 .5556 .5741 .5926 .6111 .6296 .6481 .66852 .7037 .7222 .7407 .7593 .7778	12. 722 13. 407 14. 130 14. 889 15. 685 16. 519 17. 389 18. 241 20. 222 21. 241 22. 296 23. 389 24. 519	.5556 .5741 .5926 .6111 .6296 .6481 .6667 .6852 .7037 .7222 .7407 .7593 .7778	13.685 14.389 15.130 15.907 16.722 17.574 18.463 19.389 20.352 21.352 22.389 23.463	.5741 .5926 .6111 .6296 .6481 .6667 .6852 .7037 .7222 .7407 .7593	14.685 15.407 16.167 16.963 17.796 18.667 19.574 20.519 21.500 22.519 23.574	.5926 .6111 .6296 .6481 .6667 .6852 .7037 .7222 .7407 .7593	15.722 16.463 17.241 18.056 18.907 19.796 20.722 21.685 22.685	1 1 1 1 1 1 1 1
8 9 10 11 12 13 14 15 16 17 18 19 22 22 23 24 22 25 26 27 28 28 28 28 28 28 28 28 28 28 28 28 28	.5370 .5556 .5741 .5926 .6111 .6296 .6481 .6667 .7037 .7222 .7407 .7593 .7778 .7963	12. 468 13. 167 18. 907 14. 685 15. 500 16. 352 17. 241 18. 167 19. 130 20. 130 21. 167 22. 3. 352 24. 500 25. 685	.5556 .5741 .5926 .6111 .6296 .6481 .66852 .7087 .7222 .7407 .7593 .7778	13.407 14.130 14.889 15.685 16.519 17.389 18.296 19.241 20.222 21.241 22.296 23.389 24.519	.5741 .5926 .6111 .6296 .6481 .6667 .6852 .7037 .7222 .7407 .7593 .7778	14.389 15.130 15.907 16.722 17.574 18.463 19.389 20.352 21.352 22.389 23.463	.5926 .6111 .6296 .6481 .6667 .6852 .7037 .7222 .7407 .7593	15.407 16.167 16.963 17.796 18.667 19.574 20.519 21.500 22.519 23.574	.6111 .6296 .6481 .6667 .6852 .7037 .7222 .7407	16.463 17.241 18.056 18.907 19.796 20.722 21.685 22.685	1 1 1 1 1 1 1
9 10 11 11 12 13 14 14 15 16 17 18 19 22 22 23 24 25 26 27 28 29 30 31 31 31 31 31 31 31 31 31 31 31 31 31	.5556 .5741 .5926 .6111 .6296 .6481 .6667 .6852 .7037 .7222 .7407 .7593 .7778 .7963	13.167 13.907 14.685 15.500 16.352 17.241 18.167 19.130 20.130 21.167 22.241 23.352 24.500 25.685	.5741 .5926 .6111 .6296 .6481 .6667 .6852 .7087 .7222 .7407 .7593 .7778	14.130 14.889 15.685 16.519 17.389 18.296 19.241 20.222 21.241 22.296 23.389 24.519	.5926 .6111 .6296 .6481 .6667 .6852 .7037 .7222 .7407 .7593 .7778	15.130 15.907 16.722 17.574 18.463 19.389 20.352 21.352 22.389 23.463	.6111 .6296 .6481 .6667 .6852 .7037 .7222 .7407 .7593	16.167 16.963 17.796 18.667 19.574 20.519 21.500 22.519 23.574	.6296 .6481 .6667 .6852 .7037 .7222 .7407 .7593	17.241 18.056 18.907 19.796 20.722 21.685 22.685	1 1 1 1 1 1 1 1
10 111 112 113 114 115 116 117 118 119 120 121 122 122 123 124 125 126 127 128 129 129 129 129 129 129 129 129 129 129	.5741 .5926 .6111 .6296 .6481 .6667 .6852 .7037 .7222 .7407 .7593 .7778 .7963	13.907 14.685 15.500 16.352 17.241 18.167 19.130 20.130 21.167 22.241 23.352 24.500 25.685	.5926 .6111 .6296 .6481 .6667 .6852 .7037 .7222 .7407 .7593 .7778	14.889 15.685 16.519 17.389 18.296 19.241 20.222 21.241 22.296 23.389 24.519	.6111 .6296 .6481 .6667 .6852 .7037 .7222 .7407 .7593 .7778	15,907 16,722 17,574 18,463 19,389 20,352 21,352 22,389 23,463	.6296 .6481 .6667 .6852 .7037 .7222 .7407 .7593	16,963 17,796 18,667 19,574 20,519 21,500 22,519 23,574	.6481 .6667 .6852 .7087 .7222 .7407	18.056 18.907 19.796 20.722 21.685 22.685 23.722	1 1 1 1 1 1
11 12 13 14 15 16 17 18 19 22 22 23 24 22 25 26 30 31 32 33 31 33 31 31 31 31 31 31 31 31 31 31	.5926 .6111 .6296 .6481 .6667 .6852 .7037 .7222 .7407 .7593 .7778 .7963	14.685 15.500 16.352 17.241 18.167 19.130 20.130 21.167 22.241 23.352 24.500 25.685	.6111 .6296 .6481 .6667 .6852 .7037 .7222 .7407 .7593 .7778	15.685 16.519 17.389 18.296 19.241 20.222 21.241 22.296 23.389 24.519	.6296 .6481 .6667 .6852 .7037 .7222 .7407 .7593 .7778	16.722 17.574 18.463 19.389 20.352 21.352 22.389 23.463	.6481 .6667 .6852 .7037 .7222 .7407 .7593	17.796 18.667 19.574 20.519 21.500 22.519 23.574	.6667 .6852 .7037 .7222 .7407 .7593	18.907 19.796 20.722 21.685 22.685 23.722	111111111111111111111111111111111111111
12 13 14 15 16 17 18 19 20 21 22 22 23 24 25 26 27 38 31 31 31 31 31 31 31 31 31 31 31 31 31	.6111 .6296 .6481 .6667 .6852 .7037 .7222 .7407 .7593 .7778	15.500 16.352 17.241 18.167 19.130 20.130 21.167 22.241 23.352 24.500 25.685	.6296 .6481 .6667 .6852 .7037 .7222 .7407 .7593 .7778	16.519 17.389 18.296 19.241 20.222 21.241 22.296 23.389 24.519	.6481 .6667 .6852 .7037 .7222 .7407 .7593 .7778	17.574 18.463 19.389 20.352 21.352 22.389 23.463	.6667 .6852 .7037 .7222 .7407 .7593	18.667 19.574 20.519 21.500 22.519 23.574	.6852 .7037 .7222 .7407 .7593	19.796 20.722 21.685 22.685 23.722	1:
13 14 15 16 17 18 19 20 21 22 22 24 25 26 27 28 29 30 31 31 31 31 31 31 31 31 31 31 31 31 31	.6296 .6481 .6667 .6852 .7037 .7222 .7407 .7593 .7778 .7963	16.352 17.241 18.167 19.130 20.130 21.167 22.241 23.352 24.500 25.685	.6481 .6667 .6852 .7037 .7222 .7407 .7593 .7778	17.389 18.296 19.241 20.222 21.241 22.296 23.389 24.519	.6667 .6852 .7037 .7222 .7407 .7593 .7778	18.463 19.389 20.352 21.352 22.389 23.463	.6852 .7037 .7222 .7407 .7593	19.574 20.519 21.500 22.519 23.574	.7037 .7222 .7407 .7593	20.722 21.685 22.685 23.722	13
14 115 16 17 118 119 220 221 222 223 24 25 26 27 28 29 30 31 31 31 31 31 31 31 31 31 31 31 31 31	.6481 .6667 .6852 .7037 .7222 .7407 .7593 .7778 .7963	17.241 18.167 19.130 20.130 21.167 22.241 23.352 24.500 25.685	.6667 .6852 .7037 .7222 .7407 .7593 .7778	18.296 19.241 20.222 21.241 22.296 23.389 24.519	.6852 .7037 .7222 .7407 .7593 .7778	19.389 20.352 21.352 22.389 23.463	.7037 .7222 .7407 .7593	20.519 21.500 22.519 23.574	.7222 .7407 .7593	21.685 22.685 23.722	14
15 16 17 18 19 20 21 22 22 23 24 25 26 27 28 29 30 31 32 31 31 32 33 31 31 31 31 31 31 31 31 31 31 31 31	.6667 .6852 .7037 .7222 .7407 .7593 .7778 .7963	18.167 19.130 20.130 21.167 22.241 23.352 24.500 25.685	.6852 .7037 .7222 .7407 .7593 .7778	19.241 20.222 21.241 22.296 23.889 24.519	.7037 .7222 .7407 .7593 .7778	20.352 21.352 22.389 23.463	.7222 .7407 .7593	21.500 22.519 23.574	.7407 .7593	22.685 23.722	
16 17 18 19 20 21 22 22 23 24 25 26 27 28 29 30 31 32 33 31	.6852 .7037 .7222 .7407 .7593 .7778 .7963	19.130 20.130 21.167 22.241 23.352 24.500 25.685	.7037 .7222 .7407 .7593 .7778	20.222 21.241 22.296 23.389 24.519	.7222 .7407 .7593 .7778	21.352 22.389 23.463	.7407 .7593	22.519 $23.574$	.7593	23.722	411
17 18 19 20 21 222 223 24 225 226 227 228 230 31 32 33 31	.7037 .7222 .7407 .7593 .7778 .7963	20.130 21.167 22.241 23.352 24.500 25.685	.7222 .7407 .7593 .7778 .7963	21.241 22.296 23.389 24.519	.7407 .7593 .7778	22.389 $23.463$	.7593	23.574			11
18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 31	.7222 .7407 .7593 .7778 .7968	21.167 22.241 23.352 24.500 25.685	.7407 .7593 .7778 .7963	22.296 23.389 24.519	.7593 .7778	23.463				24.796	
19 220 21 222 23 224 225 226 227 228 229 330 31 322 333 31	.7407 .7593 .7778 .7963	22.241 23.352 24.500 25.685	.7593 .7778 .7963	23.389 24.519	.7778				.7963	25.907	
21 22 22 23 24 25 26 27 28 29 30 31 31 32 33 31	.7778 .7963	24.500 25.685	.7963			24.574	.7963	25.796	.8148	27.056	
22 23 24 25 26 27 28 29 30 31 32 33	.7963	25.685			.7963	25.722	.8148	26,963	. 8333	28, 241	20
22 23 24 25 26 27 28 29 30 31 32 33	.7963	25.685		25.685	.8148	26.907	. 8333	28.167	.8519	29.463	2
23 24 25 26 27 28 29 30 31 32 33 1			.8148	26.889	.8333	28.130	.8519	29.407	.8704	30.722	
24 25 26 27 28 29 30 31 32 33		26.907	.8333	28.130	.8519	29.389	.8704	30.685	.8889	32.019	
25 26 27 28 29 30 31 32 33	. 8333	28.167	.8519	29.407	.8704	30.685	.8889	32.000	.9074	33.352	
26 27 28 29 30 31 32 33	. 8519	29.463	.8704	30.722	.8889	32.019	.9074	33.352	.9259	34.722	
27 28 29 30 31 32 33 1	.8704	30.796	.8889	32.074	.9074	33.389	.9259	34.741	-9444	36, 130	2
28 29 30 31 32 33 1	.8889	32.167	.9074	33.463	.9259	34.796	.9444	36.167	.9630	37.574	
30 31 32 33 1	.9074	33.574	.9259	34.889	.9444	36.241	.9630	37,630		39.056	
31 32 33 1	.9259	35.019	.9444	36.352	.9630	37.722	.9815	39.130	1.0000	40.574	25
32 33 1	.9444	36.500	.9630	37.852	.9815	39.241	1.0000	40.667	1.0185	42.130	3
33 1	.9630	38.019	.9815	39.389	1.0000	40.796	1.0185	42,241	1.0370	43.722	3
33 1	.9815	39.574		40.963		42.389			1.0556	45.352	
34 1	1.0000	41.167	1.0185	42.574	1.0370	44.019		45.500	1.0741	47.019	3
	1.0185	42.796		44.222	1.0556	45.685		47.185		48.722	
35 1	1.0370	44.463	1.0556	45.907	1.0741	47.389	1.0926	48.907	1.1111	50.463	3.
36 1	1.0556	46.167	1.0741	47.630	1.0926	49.130	1.1111	50.667	1.1296	52.241	3
37 1	1.0741	47.907	1.0926	49.389	1.1111	50.907	1.1296	52.463	1.1481	54.056	
	1.0926	49.685			1.1296	52.722			1.1667	55.907	
	1.1111	51.500		53.019		54.574		56.167		57.796	
40 1	1.1296	53.352	1.1481	54.889	1.1667	56.463	1.1852	58.074	1.2047	59.722	1
	1.1481	55.241		56.796	1.1852	58.389	1.2047	60.019	1.2222	61.685	
	1.1667	57.167	1.1852	58.741		60.352			1.2407	63.685	
	1.1852	59.130			1.2222	62.352	1.2407	64,019		65.722	
	1.2047	61.130		62.741		64.389			1.2778	67.796	
	1.2222	63.167	230 202	64.796	TOTAL SECTION		1.2778	the state of the s	1.2963	69,907	1.3
	1.2407	65.241		66.889		68.574		70.296		72.056	
	1.2593	67.852		69.019		70.722		72.463		74.241	
	1.2778	69.500			1.3148	72.907		74.667		76.463	
	1.2963	71.685			1.3333	75.130 77.389	1.3519	76.907	1.3704	78.722 81.019	
-	1.000	1	155.50	2	-	3.	-	4	-	5	-

TABLE LI.—BASE 1.—SLOPES 11 to 1.

	2	6	2	7	2	8	2	9	3	0	-
Foot.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Feet.
0	.4815	12.519	.5000	13,500	.5185	14.519	.5370	15.574	.5556	16.667	0
1	.5000	13.019	.5185	14.019	.5370	15.056	.5556	16.130	.5741	17.241	
2	.5185	13.556	.5370	14,574	.5556	15.630	.5741	16.722	.5926	17.852	
3	.5370	14.130	. 5556	15, 167	.5741	16.241	. 5926	17.352	.6111	18.500	
4	. 5556	14.741	.5741	15.796	.5926	16,889	.6111	18.019	.6296	19.185	
5	.5741	15.389	.5926	16.463	.6111	17.574	.6296	18.722	.6481	19.907	1 -
6	.5926	16.074	.6111	17.167	. 6296	18.296	.6481	19.463	.6667	20.667	
7	.6111	16.796	. 6296	17.907	. 6481	19.056	. 6667	20.241	.6852	21.463	
8	. 6296	17.556	. 6481	18.685	. 6667	19.852	.6852	21.056	.7037	22.296	
9	. 6481	18.352	.6667	19.500	.6852	20.685	.7037	21.907	.7222	23.167	
10	.6667	19.185	.6852	20.352	.7037	21.556	.7222	22,796	.7407	24.074	
11	. 6852	20.056	.7037	21.241	.7222	22,463	.7407	23.722	.7593	25.019	
12	.7037	20.963	.7222	22.167	.7407	23.407	.7593	24.685	.7778	26.000	
13	.7222	21.907	.7407	23, 130	. 7593	24.389	.7778	25.685	.7963	27.019	13
14	.7407	22.889	.7593	24.130	.7778	25.407	.7963	26.722	.8148	28.074	
15	.7593	23.907	.7778	25.167	. 7963	26,463	.8148	27.796	.8333	29.167	15
16	.7778	24.963	.7963	26,241	.8148	27.556	.8333	28.907	.8519	30.296	16
17	.7963	26.056	.8148	27.352	.8333	28.685	.8519	30.056	.8704	31.463	
18	.8148	27.185	.8333	28.500	.8519	29.852	.8704	31.241	.8889	32.667	18
19	.8833	28.352	.8519	29.685	.8704	31.056	.8889	32.463	.9074	33.907	19
20	. 8519	29.556	.8704	30.907	.8889	32.296	.9074	33.722	.9259	35.185	20
21	. 8704	30.796	.8889	32,167	.9074	33,574	.9259	35.019	.9444	36.500	91
22	.8889	32.074	.9074	33,463	.9259	34.889	.9444	36.352	.9630	37.852	
23	.9074	33.389	.9259	34.796	.9444	36.241	.9630	37.722	.9815	39.241	
24	.9259	34.741	.9444	36, 167	.9630	37,630	.9815	39.130	1,0000	40.667	
25	.9444	36.130	.9630	37.574	.9815		1.0000	40.574		42,130	
26	0.000	00.000	2000	39.019	1.0000	200	1.0185	0.0000000000000000000000000000000000000	1.0370	43.630	
27	.9630	37.556 39.019	.9815	40.500			1.0370		1.0556	45.167	
	.9815 1.0000	40.519		42.019			1.0556	45.130		46.741	
	1.0185	42.056	1.0370	43.574	1.0556	45.130			1.0926	48.352	
	1,0370			45.167	1.0741		1.0926	48.352		50.000	
- 1	75255	100000	7 7 7 7 7 7	100	1000	March Congress	Committee of the control	44 4 10	1000000	51.685	
	1.0556	45.241	1.0741	2000	1.0926	48.389			1.1296		
	1.0741	46.889		48.463	1.1111		1.1296	51.722 $53.463$		53.407 55.167	
	1.0926	48.574			1.1296	51.796		55.241		56.963	
	1.1111	50.296		51.907		53.556		57.056		58.796	
	1.1296	52.056	10.20	0.000	1,1667	200	1.1852				
	1.1481	58,852	1.1667		1.1852	57.185		58.907		60.667	
	1.1667	55.685		57.352			1.2222	60.796		62.574	
	1.1852	57.556			1.2222	60.963	and the second of		1.2593	64.519	
	1.2047		1.2222	61.167			1.2593		1.2778	66.500 68.519	
- 1	1.2222	61.407	1,2407	63, 130	3 3 4 4 4 4	Proceedings 2015	1.2778	A 100 CO. 100 CO.	1,2963		
	1,2407	63.389			1.2778		1.2963	68.722		70.574	
	1,2593	65,407			1,2963		1.3148	70.796		72.667	
	1.2778	67.463			1.3148		1.3333	72.907		74.796	
	1.2963	69.556		71.352	1.3333		1.3519	75.056		76.963	
10	1.3148	71.685	1.3333	73.500	1.3519	1.000	1.3704	77.241	0.000	79.167	100
46	1,3333	73.852	1.3519	75.685	1.3704	77.556			1.4074	81.407	
	1.8519		1.3704	77.907	1.3889	79,796		81.722		83,685	
2.24	1.8704		1.3889	80.167	10/11/2015		1.4259		1.4444	86.000	
	1.3889		1.4074	82.463			1.4444		1.4630	88.352	
50	1.4074	82.889	1.4259	84.796	1.4444	86.741	1.4630	88.722	1.4815	90.741	50
	2	6	2	7	9	8	2	9	3	0	

### TABLE LI.—BASE 1.—SLOPES $1\frac{1}{2}$ to 1.

	3	1	3	2	3	3	3	4	:	35-	
Peet.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Feet.
0	.5741	17.796	.5916	18.963	.6111	20.167	. 6296	21.407	. 6481	22.685	0
1	.5926	18.389	. 6111	19.574	.6296	20.796	. 6481	22,056	.6667	23.352	1
2	.6111	19.019	.6296	20.222	.6481	21,463	. 6667	22.741	. 6852	24.056	
3	. 6296	19.685	. 6481	20.907	.6667	22.167	. 6852	23,463	.7037	24.796	
4	. 6481	20.389	. 6667	21.630	. 6852	22.907	.7037	24.222	.7222	25.574	4
5	. 6667	21.130	. 6852	22.389	.7037	23.685	.7222	25.019	.7407	26.389	
6	. 6852	21.907	.7037	23.185	.7222	24.500	.7407	25.852	.7593	27.241	6
7	.7037	22.722	.7222	24,019	.7407	25.352	.7593	26.722	.7778	28.130	
8	.7222	23.574	.7407	24.889	.7593	26.241	.7778	27.630	.7963	29.056	8
9	.7407	24,463	.7593	25.796	.7778	27.167	. 7963	28.574	.8148	30.019	9
10	.7593	25.389	.7778	26.741	.7963	28.130	.8148	29.556	.8833	31.019	10
11	.7778	26.352	.7963	27.722	.8148	29.130	. 8333	30.574	.8519	32.056	11
12	.7963	27.352	.8148	28,741	. 8333	30.167	.8519	31.630	.8704	33.130	12
13	.8148	28,389	. 8333	29.796	.8519	31.241	.8704	32.722	.8889		13
14	. 8333	29.463	.8519	30.889	.8704	32.352	.8889	33.852	.9074	35.389	14
15	.8519	30,574	.8704	32.019	.8889	33.500	.9074	35,019	. 9259	36.574	15
16	.8704	31.722	.8889	33.185	.9074	34.685	.9259	36.222	.9444	37.796	16
17	.8889	32,907	.9074	34.389	.9259	35.907	.9444	37,463	.9630	39.056	17
18	.9074	34.130	.9259	35.630	.9444	37.167	.9630	38.741	.9815	40.352	18
19	. 9259	35.389	.9444	36.907	.9630	38.463	.9815	40.056	1.0000	41.685	19
20	.9444	36.685	.9630	38.222	.9815	39.796	1.0000	41.407	1.0185	43.056	20
21	.9630	38.019	.9815	39.574	1.0000	41.167	1.0185	42.796		44.463	21
22	.9815	39.389	1.0000	40.963	1.0185	42.574	1.0370	44,222	1.0556	45.907	22
23	1.0000	40.796	1.0185	42.389	1.0370	44.019	1.0556	45.685	1.0741	47.389	23
	1.0185	42.241		43.852	1.0556	45,500	1.0741	47.185	1.0926	48,907	24
	1.0370	43.722	1.0556	45.352	1.0741	47.019	1,0926	48.722		50.463	
26	1.0556	45.241	1.0741	46.889	1.0926	48.574	1.1111	50.296	1.1296	52.056	26
27	1.0741	46.796	1.0926	48.463	1.1111	50.167	1.1296	51,907	1.1481	53.685	27
28	1.0926	48.389	1.1111	50.074	1.1296	51.796	1.1481	53.556	1.1667	55.352	28
29	1.1111		1.1296	51.722		53.463	1.1667	55.241	1.1852	57.056	29
	1.1296	51.685		53.407		55.167		56.963		58.796	
31	1.1481	53.389	1.1667	55.130	1.1852	56.907	1.2047	58,722	1.2222	60.574	31
32	1.1667	55.130	1.1852	56.889	1.2047	58.685	1.2222	60.519	1.2407	62.389	32
33	1.1852	56.907	1.2047	58.685	1.2222	60.500	1.2407	62.352	1.2593	64,241	33
34	1.2047	58.722	1.2222	60.519	1.2407	62.352	1.2593	64.222	1.2778	66.130	34
35	1.2222	60.574	1.2407	62.389	1.2593	64.241	1.2778	66.130	1.2963	68.056	35
36	1.2407	62.463	1.2593	64.296	1.2778	66.167	1.2963	68.074	1.3148	70.019	36
	1.2593	64.389	1.2778	66,241	1.2963	68, 130		70.056		72.019	
	1.2778	66.352		68,222		70.130	And in particular trail	72.074		74.056	100
	1.2963	68.352	the second	The state of the s	1.3333	72.167		74.130			
	1.3148	70.389		72.296	1.3519	74.241		76.222	1.3889	78.241	
	1.3338	72.463	1.3519	74.389	1.3704	76.352	1.3889	78.352	1.4074	80.389	41
	1.3519	74.574		76.519		78.500		80.519		82.574	
	1.3704	76.722		78.685		80.685		82.722		84.796	
	1.3889	78.907		80.889		82,907		84.963		87.056	
	1,4074	81,130		83.130		85.167	7 3 2 2 2 2	87.241		89.352	
16	1.4259	83.389	1.4444	85.407	1.4630	87.463	1.4815	89.556	1.5000	91.685	46
	1.4444		1.4630	87.722		89.796		91.907		94.056	
	1.4630	88.019		90.074		92.167		94.296		96.463	
	1.4815		1.5000	92.463		94.574		96.722		1000000	
	1.5000		1.5185		1.5370		1.5556			101.389	
, v		and the second			1.50	between the state of		1000000	1000		0.00
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TABLE LI.—BASE 1.—SLOPES 11 to 1.

	3	6	3	7	3	8	3	19	4	0	
Feet	Mult.	Add.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Feet.
0	. 6667	24.000	. 6852	25.852	.7037	26.741	.7222	28.167	.7407	29.630	0
1	. 6852	24.685	.7037	26.056	.7222	27.463	.7407	28.907	. 7598	30.389	1
2	.7037	25.407	.7222	26.796	.7407	28, 222	.7593	29.685	.7778	31.185	2
3	.7222	26.167	.7407	27.574	.7593	29.019	.7778	30.500	. 7963		3
4	.7407	26,963	.7598	28.389	.7778	29.852	. 7963	31.352	.8148		
5	.7593	27.796	.7778	29.241	. 7963	30.722	.8148	82.241	. 8333	33,796	1.5
6	.7778	28.667	.7963	80.180	.8148	31.630	.8333	33.167	.8519	34.741	
7	.8148	29.574 30.519	.8148	31.056	.8333	32.574	.8519	34.130	.8704	35.722	
9	. 8333	31.500	.8333	32.019	.8519	33.556	.8704	35.130	. 8889	36.741	
10	. 8519	82.519	.8519	33.019 34.056	The Locality	34.574 35.630	.8889	36.167 37.241	.9074	37.796 38.889	
11	.8704	83.574	.8889	85.130	1000000	36.722	.9259	38.352	1100000		100
12	.8889	34.667	.9074	36.241	.9259	37.852	.9444	39.500	.9444	40.019	
13	.9074	35.796		87.889		39.019	.9630	40.685	.9815	42.389	
14	.9259	86,968		38.574	.9630	40.222	.9815	41.907	1.0000	43.680	
15	.9444	38, 167	.9630	39.796			1.0000		1.0185	44.907	
16	.9630	39.407	.9815	41.056	101112	130,000	1.0185	10.ch 5000	1.0370	46.222	
17	.9815	40.685	1.0000	42.352			1.0370		1.0556	47.574	
	1,0000		1.0185		1.0370		1.0556		1.0741	48.963	
	1.0185		1.0370		1.0556		1.0741		1.0926	50.389	
20	1.0370	44.741	1.0556	46.463	1.0741	48,222	1.0926		1.1111	51.852	
21	1.0556	46.167	1.0741	47.907	1.0926	49.685	1.1111	51.500	1.1296	53.352	21
22	1,0741		1.0926	49.389	1.1111	51.185	1,1296		1.1481	54.889	
28	1,0926	49.130	1.1111	50.907	1,1296	52.722	1.1481	54.574	1.1667	56.463	
	1.1111	50,667		52.463	1.1481	54.296	1.1667	56.167	1.1852	58.074	
25	1,1296	52.241	1.1481	54.056	1.1667	55,907	1.1852	57.796	1.2047	59.722	25
	1,1481		1.1667	55.685			1.2047	59.463	1.2222	61.407	26
	1,1667		1,1852	57.852	1.2047	59.241		61.167	1.2407	63.130	
	1.1852		1.2047	59.056		60.963		62,907	1.2593	64.889	28
	1.2047		1.2222	60.796			1.2593		1.2778	66.685	29
200	1,2222	100000000000000000000000000000000000000	1,2407	62.574	1.2593	64.519	1.0.56	Technique and Vil	1.2963	68.519	30
	1.2407		1.2598	64.389		66.352	2 7 2 3 3 5 5		1.3148		
	1.2593		1.2778	66.241			1.3148		1.3333	72.296	
	1.2778		1.2963		1,3148	70, 130			1.3519		
	1, 2963		1.8148		1,3333	72.074			1.3704		
- 1	45,435,4	10 10 10 11	P0.05000.0	Manager Comment	1	3. 2. 3. 2. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3.	0.000	76,130	V		
	1.8333		1.8519	100000000000000000000000000000000000000	1.3704		1.3889		1.4074		
	1.3519		1.3704		1.3889	78, 130			1.4259	82,389	
	1.8704		1.8889		1.4074				1.4444	84.519	
1	1.4074		1,4074			82.352 84.519			1.4630		
5.7			Section and the second			1 3 7 5 5 5 5 6 1	and the second	de de apartente	100,000	200,000	4
	1.4259			84.574							
	1.4680							91.167		93,407	
	1.4815							95.796			
								98.167			
	1.5185							100.574			
		96, 241	1.5556	98, 469	1.5741	100. 799	1.5996	103.019	1 6111	105 250	147
18	1.3556	198, 667	1.5741	100.907	1.5926	103 185	1.6111	105.500	1 6996	107 250	10
19	1.5741	101.130	1.5926	108.389	1.6111	105.685	1.6296	108.019	1.6481	110 220	19
50	1.5926	108,630	1.6111	105.907	1.6296	108,222	1.6481	110.574	1.6667	112.963	30
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А	3	6	. 3	7	3	8	3	19	4	10	ш

0 .7593 31.130 .7778 32.667 .7963 34.241 .8148 35.852 .8333 37.500   1 .7778 31.907 .7963 33.463 .8148 35.056 .8333 36.685 .8519 38.352   2 .7963 32.722 .8148 34.296 .8333 35.907 .8519 37.556 .8704 39.241   3 .8148 33.574 .8333 35.167 .8519 36.796 .8704 38.463 .8889 40.167   4 .8333 34.463 .8519 36.074 .8704 37.722 .8889 39.407 .9074 41.130   5 .8519 35.889 .8704 37.019 .8889 38.685 .9074 40.389 .9259 42.130   6 .8704 36.352 .8889 38.000 .9074 39.685 .9259 41.407 .9444 43.167   7 .8889 37.352 .9074 39.190 .9259 40.722 .9444 42.463 .9630 44.241   8 .9074 38.389 .9259 40.074 .9444 41.796 .9630 43.556 .9815 45.352   9 .9259 39.463 .9444 41.167 .9630 42.907 .9815 44.685 1.0000 46.500   1 .9630 41.792 .9815 43.463 1.0000 45.241 1.0185 47.056 1.0370 48.907	1	4	1	4	2	4	3	4	4	4	15	
1, 7778   31, 907   .7963   38, 463   .8148   35, 056   .8333   36, 685   .8519   38, 352   38, 363   36, 796   .8704   38, 463   .8889   40, 167   41, 30   38, 463   .8889   38, 467   .8704   38, 463   .8889   38, 467   .8704   38, 463   .8889   38, 467   .8704   38, 463   .8889   38, 467   .8704   38, 463   .8889   38, 467   .8704   41, 130   .8889   38, 585   .8889   38, 467   .8704   41, 130   .8889   38, 685   .9074   40, 889   .9259   41, 407   .9444   41, 130   .8889   38, 585   .8889   .8904   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .8914   .	Feet.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Feet.
2         7063         32, 722         .8148         34.296         .8333         35, 907         .819         37,566         .8704         38,4463         38,844         38,353         35,167         .8519         36,774         .8704         37,722         .8889         38,407         .9074         41,130         38,463         .8889         40,167         .9074         41,130         .8889         38,407         .9074         41,407         .9444         41,130         .9074         .8889         38,600         .9074         .98,685         .9259         41,407         .9444         43,167         .8889         .9259         40,722         .9444         42,463         .9630         42,246         .9815         41,079         .9344         43,167         .9630         42,296         .9815         44,057         46,685         .050         .9444         40,574         .9630         42,296         .9815         44,056         1,0000         45,566         .9815         43,568         .9815         43,631         1,0000         45,241         1,0185         47,066         1,0370         47,722         1,056         50,167         31,0000         44,131         1,0185         47,066         1,0207         1,011         1,011 <t< td=""><td>0</td><td>.7593</td><td>31.130</td><td>.7778</td><td>32.667</td><td>.7963</td><td>34.241</td><td>.8148</td><td>35.852</td><td>. 8333</td><td>37.500</td><td>0</td></t<>	0	.7593	31.130	.7778	32.667	.7963	34.241	.8148	35.852	. 8333	37.500	0
8         81.48   33.574   .8519   36.794   .8704   37.722   .8889   39.407   .9074   41.130   .8519   35.889   .8704   37.019   .8889   38.685   .9074   40.889   .9259   42.130   .8704   .8889   .9259   .8889   38.685   .9074   40.889   .9259   44.241   .889   .9259   .9074   .9815   .9259   .9074   .9815   .9259   .9414   .9259   .9259   .9414   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259   .9259	1	.7778	31.907									1
4         8.8383         8.4.463         8.519         36.074         8.704         37.722         8.889         99.407         .9074         41.130           5         8.819         36.352         .8889         98.000         .9074         39.685         .9259         41.407         .9444         31.67           7         .8889         37.352         .9074         39.190         .9259         40.722         .9444         42.463         .9630         43.556         .9815         46.851         .9060         44.241         .907         .9815         44.656         .9815         44.056         .9815         44.056         .9815         40.000         45.852         1.0185         47.685           1         .9630         41.792         .9815         43.63         1.0000         45.661         1.0000         45.851         1.001         48.907         1.0000         44.661         1.0000         45.851         1.001         49.019         1.0000         44.661         1.0000         45.851         1.0000         45.851         1.0000         45.861         1.0000         45.851         1.0000         45.851         1.0000         45.851         1.0000         45.851         1.0000         45.851         <	2		32.722		34.296		35.907	.8519	37.556	.8704	39.241	2
6.         8.704         35.389         .8704         87.019         .8889         38.685         .9074         40.889         .9259         42.130           6.         8.704         36.352         .8889         38.000         .9074         39.685         .9259         41.407         .9444         42.463         .9630         42.917         .9414         42.463         .9630         43.556         .9815         45.522         .9815         44.657         .9630         42.907         .9815         44.685         1.0000         46.504         .0000         45.522         1.0850         47.685         1.0000         46.507         .0000         44.671         .9630         42.907         .9815         42.907         .9815         42.907         .9815         42.907         .9815         42.907         .0000         44.667         1.0856         49.907         1.0870         48.296         1.0556         50.167         1.0741         50.852         1.0926         50.1056         49.019         1.0741         50.892         1.0926         52.241         1.1111         54.663         1.0566         49.574         1.0741         49.852         1.0926         51.722         1.1111         51.636         1.5741         1.1111	3		33.574			.8519		.8704	38,463	.8889		3
6	4	. 8333	34.463									4
7 8889 37.852 9.974 38.919 9.9259 40.732 9.9444 41.796 9.630 44.945 9.9259 39.463 9.9444 41.167 9.930 42.907 9.815 44.685 1.0000 45.500 9.9444 40.574 9.630 42.296 9.815 44.056 1.0000 45.852 1.0185 47.685 1.9630 42.907 1.0000 44.801 1.0185 45.852 1.0185 47.685 1.0000 44.810 1.0185 45.907 1.0000 44.667 1.0185 46.463 1.0070 45.241 1.0185 47.056 1.0370 48.907 1.0000 44.180 1.0185 45.907 1.0370 47.722 1.0556 49.019 1.0741 50.889 1.0926 52.796 1.0370 47.185 1.0556 49.019 1.0741 50.889 1.0926 52.796 1.0000 46.685 1.0556 48.500 1.0741 50.352 1.0926 52.241 1.1111 54.167 61.0556 48.019 1.0741 49.852 1.0926 54.574 1.111 52.241 1.1111 52.241 1.1111 52.241 1.1111 52.241 1.1111 52.241 1.1111 52.241 1.1111 52.241 1.1111 52.241 1.1111 52.241 1.1111 52.241 1.1111 52.241 1.1111 52.241 1.1111 52.241 1.1111 52.241 1.1111 52.241 1.1296 54.130 1.1667 57.574 1.1852 59.566 1.2047 61.580 1.1852 58.889 1.2047 60.352 1.2222 62.352 1.2407 64.389 1.2292 63.167 1.2222 61.685 1.2222 61.685 1.2222 61.685 1.2222 62.352 1.2407 64.389 1.2593 65.407 1.2292 62.352 1.2222 61.685 1.2407 63.685 1.2593 65.722 1.2393 65.407 1.2788 66.907 1.2963 68.963 1.3148 70.796 1.3383 72.463 1.3519 74.389 1.3519 74.578 1.389 78.352 1.3487 70.796 1.3383 72.463 1.3519 74.389 1.3519 74.589 1.3488 70.796 1.3383 72.463 1.3519 74.389 1.3519 74.389 1.3519 74.578 1.3889 78.352 1.3487 70.796 1.3383 72.463 1.3488 70.574 1.3889 78.352 1.3404 88.891 1.2593 66.407 1.2788 67.167 1.3889 78.590 1.3444 84.574 1.459 82.491 1.3444 84.667 1.3889 78.352 1.3404 88.891 1.3519 74.574 1.3889 78.552 1.3404 88.891 1.3519 74.575 1.3889 78.500 1.4444 84.667 1.3889 78.552 1.4074 80.889 1.4259 82.792 1.3444 84.667 1.3889 78.552 1.4074 80.895 1.4259 82.792 1.3444 84.667 1.5556 98.000 1.4074 80.895 1.4259 82.792 1.3556 98.074 1.5741 100.389 1.5556 98.074 1.5741 100.389 1.5556 98.074 1.5741 100.389 1.5556 98.074 1.5741 100.389 1.5556 1.5574 1.5556 98.079 1.5556 100.772 1.5556 100.772 1.5556 100.772 1.5556 100.772 1.5556 100.772 1.5556 100.772 1.5556 100.772 1.5556 100.772 1.5556 100.772 1.5556 100.	ð	.8519	35.389	.8704	37.019	.8889	38.685	.9074	40.389	.9259	42.130	
$\begin{array}{c} 8 & 9074 & 88,889 \\ 9 & 9259 & 93259 & 39.463 \\ 0 & 9444 & 41.167 & 9630 & 42.997 \\ 0 & 9815 & 44.056 \\ 1 & 9630 & 41.792 \\ 2 & 9815 & 42.997 & 1.0000 & 45.852 \\ 1 & 1.0000 & 45.852 & 1.0185 & 47.086 \\ 1 & 1.0000 & 44.667 & 1.0185 & 46.463 \\ 1 & 1.0000 & 44.180 \\ 1 & 1.0185 & 45.389 \\ 1 & 1.0370 & 47.185 & 1.0556 & 49.019 & 1.0741 & 50.889 \\ 1 & 1.0556 & 48.019 & 1.0741 & 49.852 \\ 1 & 1.0741 & 49.852 & 1.0926 & 51.722 \\ 1 & 1.0741 & 49.885 & 1.0926 & 51.722 \\ 1 & 1.1111 & 52.667 & 1.296 & 54.741 & 1.1111 & 53.630 \\ 1 & 1.1115 & 52.241 & 1.1126 & 54.130 & 1.1882 & 59.130 \\ 1 & 1.1118 & 52.241 & 1.1296 & 54.130 & 1.1882 & 59.566 & 1.1852 & 60.019 \\ 1 & 1.1118 & 55.241 & 1.1296 & 54.130 & 1.1852 & 59.130 \\ 1 & 1.1296 & 53.722 & 1.1481 & 55.630 & 1.1667 & 57.574 & 1.1852 & 59.566 & 1.2427 & 61.574 \\ 1 & 1.2407 & 60.019 & 1.2222 & 62.000 & 1.2407 & 64.019 & 1.2593 & 66.074 \\ 1 & 1.2407 & 63.889 & 1.2578 & 66.868 & 1.2593 & 65.722 & 1.2272 & 62.741 & 1.2407 & 64.796 \\ 1 & 1.2407 & 63.889 & 1.2593 & 65.407 & 1.2768 & 67.961 & 1.3963 & 73.898 \\ 1 & 1.2778 & 66.907 & 1.2668 & 68.68 & 1.348 & 71.956 & 1.3333 & 73.185 & 1.3418 & 71.566 & 1.3333 & 73.185 & 1.3418 & 71.566 & 1.3333 & 73.185 & 1.3418 & 71.566 & 1.3333 & 73.185 & 1.3418 & 71.566 & 1.3418 & 71.566 & 1.3519 & 74.8389 & 1.2678 & 68.963 & 1.3488 & 71.956 & 1.3519 & 74.898 & 1.4630 & 87.241 & 1.3418 & 70.574 & 1.3704 & 76.522 & 1.3889 & 78.852 & 1.4074 & 80.519 & 1.4259 & 82.242 & 1.4818 & 89.056 & 1.5009 & 91.352 & 1.5859 & 93.685 & 1.4074 & 80.589 & 1.4259 & 82.574 & 1.4630 & 87.961 & 1.4589 & 82.907 & 1.4444 & 84.667 & 1.4630 & 86.967 & 1.2576 & 98.074 & 1.4589 & 81.4630 & 87.241 & 1.5185 & 93.889 & 1.5566 & 98.001 & 1.5741 & 100.352 & 1.5556 & 98.074 & 1.5556 & 98.074 & 1.5556 & 98.074 & 1.5556 & 98.074 & 1.5556 & 98.074 & 1.5556 & 98.074 & 1.5556 & 98.074 & 1.5556 & 98.074 & 1.5556 & 98.074 & 1.5556 & 98.074 & 1.5556 & 98.074 & 1.5556 & 98.074 & 1.5556 & 98.074 & 1.5556 & 98.074 & 1.5556 & 98.074 & 1.5556 & 98.074 & 1.5556 & 98.074 & 1.5556 & 98.074 & $	6											6
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$\begin{array}{c} 11,5185 \\ 21,5370 \\ 21,5370 \\ 31,5556 \\ 38,019 \\ 1.5741 \\ 100.389 \\ 1.5926 \\ 102.791 \\ 1.6481 \\ 110.418 \\ 100.389 \\ 1.5926 \\ 102.741 \\ 1.6111 \\ 105.167 \\ 1.6296 \\ 107.574 \\ 1.6481 \\ 110.019 \\ 1.6667 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 \\ 112.509 $												
$\begin{array}{c} 21.5370 \\ 31.5556 \\ 98.019 \\ 1.5741 \\ 100.352 \\ 1.5926 \\ 102.722 \\ 1.6111 \\ 105.130 \\ 1.6296 \\ 107.574 \\ 100.389 \\ 1.5926 \\ 102.741 \\ 1.6111 \\ 105.167 \\ 1.6296 \\ 107.574 \\ 1.6481 \\ 110.019 \\ 1.6667 \\ 112.500 \\ 1.6481 \\ 110.056 \\ 1.6296 \\ 107.574 \\ 1.6481 \\ 110.019 \\ 1.6667 \\ 112.500 \\ 1.6481 \\ 110.241 \\ 1.6296 \\ 107.574 \\ 1.6481 \\ 110.056 \\ 1.6667 \\ 112.500 \\ 1.6667 \\ 112.500 \\ 1.6667 \\ 112.500 \\ 1.6667 \\ 112.500 \\ 1.6667 \\ 112.500 \\ 1.6667 \\ 112.500 \\ 1.6667 \\ 112.500 \\ 1.6667 \\ 112.500 \\ 1.6667 \\ 112.500 \\ 1.6667 \\ 112.500 \\ 1.6667 \\ 112.500 \\ 1.6667 \\ 112.500 \\ 1.6667 \\ 112.500 \\ 1.6667 \\ 112.500 \\ 1.6667 \\ 112.500 \\ 1.6667 \\ 112.500 \\ 1.6667 \\ 112.500 \\ 1.6667 \\ 112.500 \\ 1.6667 \\ 112.500 \\ 1.6667 \\ 112.500 \\ 1.6667 \\ 112.500 \\ 1.6667 \\ 112.500 \\ 1.6667 \\ 112.500 \\ 1.6667 \\ 112.500 \\ 1.6667 \\ 112.500 \\ 1.6667 \\ 112.500 \\ 1.6667 \\ 112.500 \\ 1.6667 \\ 112.500 \\ 1.6667 \\ 112.500 \\ 1.6667 \\ 112.500 \\ 1.6667 \\ 112.500 \\ 1.6667 \\ 112.500 \\ 1.6667 \\ 112.500 \\ 1.6667 \\ 112.500 \\ 1.6667 \\ 112.500 \\ 1.6667 \\ 112.500 \\ 1.6667 \\ 112.500 \\ 1.6667 \\ 112.500 \\ 1.6667 \\ 112.500 \\ 1.6667 \\ 112.500 \\ 1.6667 \\ 112.500 \\ 1.6667 \\ 112.500 \\ 1.6667 \\ 112.500 \\ 1.6667 \\ 112.500 \\ 1.6667 \\ 112.500 \\ 1.6667 \\ 112.500 \\ 1.6667 \\ 112.500 \\ 1.6667 \\ 112.500 \\ 1.6667 \\ 112.500 \\ 1.6667 \\ 112.500 \\ 1.6667 \\ 112.500 \\ 1.6667 \\ 112.500 \\ 1.6667 \\ 112.500 \\ 1.6667 \\ 112.500 \\ 1.6667 \\ 112.500 \\ 1.6667 \\ 112.500 \\ 1.6667 \\ 112.500 \\ 1.6667 \\ 112.500 \\ 1.6667 \\ 112.500 \\ 1.6667 \\ 112.500 \\ 1.6667 \\ 112.500 \\ 1.6667 \\ 112.500 \\ 1.6667 \\ 112.500 \\ 1.6667 \\ 112.500 \\ 1.6667 \\ 112.500 \\ 1.6667 \\ 112.500 \\ 1.6667 \\ 112.500 \\ 1.6667 \\ 112.500 \\ 1.6667 \\ 112.500 \\ 1.6667 \\ 112.500 \\ 1.6667 \\ 112.500 \\ 1.6667 \\ 112.500 \\ 1.6667 \\ 112.500 \\ 1.6667 \\ 112.500 \\ 1.6667 \\ 112.500 \\ 1.6667 \\ 112.500 \\ 1.6667 \\ 112.500 \\ 1.6667 \\ 112.500 \\ 1.6667 \\ 112.500 \\ 1.6667 \\ 112.500 \\ 1.6667 \\ 112.500 \\ 1.6667 \\ 112.500 \\ 1.6667 \\ 112.500 \\ 1.6667 \\ 112.500 \\ 1.6667 \\ 112.500 \\ 1.6667 \\ 112.500 \\ 1.6667 \\ 112.500 \\ 1.6667 \\ 112.500 \\ 1.6667 \\ 112.500 \\ 1.666$		A SHARE SHARE A		1000	14 TO 14 TO	n 2 100 100 100 100 100 100 100 100 100 1	- F. W. P. C.	14 7 44 44		400000000000000000000000000000000000000		
$\begin{array}{c} 31.5556 \\ 98.019 \\ 1.5741 \\ 100.389 \\ 1.5926 \\ 102.796 \\ 1.6111 \\ 105.167 \\ 1.6296 \\ 107.574 \\ 1.6296 \\ 107.574 \\ 1.6481 \\ 110.019 \\ 1.6667 \\ 112.509 \\ 12.5926 \\ 102.796 \\ 1.6481 \\ 110.019 \\ 1.6296 \\ 107.574 \\ 1.6296 \\ 107.574 \\ 1.6481 \\ 110.019 \\ 1.6667 \\ 112.509 \\ 112.519 \\ 1.6852 \\ 115.019 \\ 1.6852 \\ 115.019 \\ 1.6481 \\ 10.029 \\ 10.029 \\ 10.029 \\ 10.029 \\ 10.029 \\ 10.029 \\ 10.029 \\ 10.029 \\ 10.029 \\ 10.029 \\ 10.029 \\ 10.029 \\ 10.029 \\ 10.029 \\ 10.029 \\ 10.029 \\ 10.029 \\ 10.029 \\ 10.029 \\ 10.029 \\ 10.029 \\ 10.029 \\ 10.029 \\ 10.029 \\ 10.029 \\ 10.029 \\ 10.029 \\ 10.029 \\ 10.029 \\ 10.029 \\ 10.029 \\ 10.029 \\ 10.029 \\ 10.029 \\ 10.029 \\ 10.029 \\ 10.029 \\ 10.029 \\ 10.029 \\ 10.029 \\ 10.029 \\ 10.029 \\ 10.029 \\ 10.029 \\ 10.029 \\ 10.029 \\ 10.029 \\ 10.029 \\ 10.029 \\ 10.029 \\ 10.029 \\ 10.029 \\ 10.029 \\ 10.029 \\ 10.029 \\ 10.029 \\ 10.029 \\ 10.029 \\ 10.029 \\ 10.029 \\ 10.029 \\ 10.029 \\ 10.029 \\ 10.029 \\ 10.029 \\ 10.029 \\ 10.029 \\ 10.029 \\ 10.029 \\ 10.029 \\ 10.029 \\ 10.029 \\ 10.029 \\ 10.029 \\ 10.029 \\ 10.029 \\ 10.029 \\ 10.029 \\ 10.029 \\ 10.029 \\ 10.029 \\ 10.029 \\ 10.029 \\ 10.029 \\ 10.029 \\ 10.029 \\ 10.029 \\ 10.029 \\ 10.029 \\ 10.029 \\ 10.029 \\ 10.029 \\ 10.029 \\ 10.029 \\ 10.029 \\ 10.029 \\ 10.029 \\ 10.029 \\ 10.029 \\ 10.029 \\ 10.029 \\ 10.029 \\ 10.029 \\ 10.029 \\ 10.029 \\ 10.029 \\ 10.029 \\ 10.029 \\ 10.029 \\ 10.029 \\ 10.029 \\ 10.029 \\ 10.029 \\ 10.029 \\ 10.029 \\ 10.029 \\ 10.029 \\ 10.029 \\ 10.029 \\ 10.029 \\ 10.029 \\ 10.029 \\ 10.029 \\ 10.029 \\ 10.029 \\ 10.029 \\ 10.029 \\ 10.029 \\ 10.029 \\ 10.029 \\ 10.029 \\ 10.029 \\ 10.029 \\ 10.029 \\ 10.$												
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$\begin{array}{c} 6 \ 1.6111 \ 105.241 \ 1.6296 \ 107.630 \ 1.6481 \ 110.056 \ 1.6667 \ 112.519 \ 1.6852 \ 115.019 \\ 71.6296 \ 107.722 \ 1.6481 \ 110.130 \ 1.6667 \ 112.574 \ 1.6852 \ 115.056 \ 1.7037 \ 117.574 \\ 81.6481 \ 110.241 \ 1.6667 \ 112.667 \ 1.6852 \ 115.130 \ 1.7037 \ 117.630 \ 1.7222 \ 120.167 \\ 91.6667 \ 112.796 \ 1.6852 \ 115.241 \ 1.7037 \ 117.722 \ 1.7222 \ 120.241 \ 1.7407 \ 122.796 \end{array}$												
71.6296107, 7221.6481110.1301.6667112.5741.6852115.0561.7037117.57481.6481110.2411.6667112.66712.667115.0501.7037117.6301.7022120.16791.6667112.7961.6852115.2411.7037117.7221.7222120.2411.7407122.796	70	9.3320	mag taken			1000000		T-12-16 11 11 11 11 11 11 11 11 11 11 11 11 1		7 7227		
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01.6852 115.389 1.7037 117.852 1.7222 120.352 1.7407 122.889 1.7593 125.463												
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	,	1.0002	110.000	2,,,,,,,	1.002	1.725	120.002	2.7457		1.1000	120.100	L
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Peet.	Mult.	Add	Mult.	Add.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Feet.
0	.8519	39.185	.8704	40,907	.8889	42.667	.9074	44.463	.9259	46.296	. ~
1	.8704	40.056	.8889	41.796	.9074	43.574 $44.519$	.9259	45,389 46,352	.9444	47.241	
3	.8889	40.963	.9074	42.722 43.685	.9444	45.500	.9630	47.352	.9815	49,241	
4	.9259	42,889		44,685	.9630	46.519	.9815		1.0000	50.296	
5	.9444	43.907		45.722	.9815			49.463		51.389	
6	.9630	1 200	.9815	46,796	1.0000	48,667	1.0185	50.574	1.0370	52.519	100
7	.9815		1.0000	47.907	1.0185				1.0556	53.685	
	1.0000	47.185		49.056	1.0370			52.907	1.0741	54.889	
9	1.0185	48.352	1.0370	50.241	1.0556	52.167			1.0926	56.130	
10	1.0370	49.556	1.0556	51.463	1.0741	53.407	1.0926	55.389	1.1111	57.407	10
11	1,0556	50,796	1,0741	52.722	1.0926				1.1296	58.722	
	1,0741		1.0926		1.1111		1.1296	58.019		60.074	
	1.0926	53,389		55.352		57.352			1.1667	61.463	
	1.1111	5.75 3.00	1.1296			58.741			1.1852	62.889	
	1.1296		1.1481		1.1667	20,000	1.1852	the second second	1.2047	64.352	
	1.1481		1.1667	59.574			1.2047		1.2222	65.852	
	1.1667		1.1852	61.056			1.2222		1.2407	67.389 68.968	
	1, 1852		1.2047	62.574	1.2407		1.2407		1.2778	70.574	
	1, 2222		1.2407		1.2593		1.2778		1.2963	72.222	
	ed to be a first	1	March and the		1.2778	the same of the same of the same of	1.2963	4.2	1.3148	73.907	1
	1.2407 1.2593		1.2593 $1.2778$	69.019	1.2963		1.3148		1.3333		
	1,2778		1.2963				1.3333		1.3519	77.389	
	1,2963		1.3148		1.3333		1.3519		1.3704	79.185	
	1.3148		1.3333		1.3519		1.3704		1.3889	81.019	25
- 1	1.3333	78 859	1.3519			78, 296	1.3889	80.574	1.4074	82.889	26
	1.3519		1.3704		1.3889		1.4074	82.463	100	84.796	
	1.3704		1.3889	79.796		82.074	1.4259	84.389	1,4444		
	1.3889		1.4074		1,4259	84,019	1,4444	86.352	1.4630		
30	1.4074	81,407	1.4259	83.685	1.4444	86.000	1.4630	88,352	1.4815	90.741	30
31	1,4259	83.389	1,4444	85.685				90.389	1.5000		
	1.4444		1.4630			90.074			1.5185		
	1.4630		1.4815			92.167			1.5370		
	1.4815		1.5000			94.296		96.722		99.185	
	1.5000		1.5185			96.463		98,907	1.000000	101.389	
	1.5185	93.852	1.5370	96.241	1.5556	98.667	1.5741	101.130	1.5926	103.630	36
36	1.5370	96.056	1.0006	98.463 100.722	1.5092	100.907	1.6326	105.885	1 6996	109.997	100
99	1.5000	100 571	1.5096	103.019	1 6111	105, 500	1 6996	108 019	1.6481	110 574	139
40	1 5996	100 889	1 6111	105.852	1 6296	107.852	1.6481	110.389	1.6667	112.963	140
				107.722						115.389	
19	1 6906	107 690	1 6481	110.130	1.6667	112.667	1.6859	115, 941	1,7037	117.859	
48	1.6481	110, 056	1.6667	112.574	1.6852	115, 130	1.7037	117,722		120.359	
44	1.6667	112.519	1,6852	115.056	1.7037	117.630	1.7222	120.241		122.889	
15	1.6852	115.019	1,7037	117.574	1,7222	120.167	1,7407	122.796	1.7593	125.463	45
				120, 130						128.074	46
47	1.7999	120, 130	1.7407	122,722	1.7593	125.352	1.7778	128,019	1.7963	130.722	47
48	1.7407	122.741	1.7593	125.352	1.7778	128.000	1.7963	130.685	1.8148	133.407	48
49	1. 7593	195 389	1.7778	128.019	1.7963	130.685	1.8148	133.389	1,8333	136, 136	) 49
50	1.7778	128.074	1.7963	130.722	1,8148	133,407	1,8333	136, 130	1.8519	138,889	50
1	4	6	4	7	4	8	1 4	19		50	

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TABLE LII.—BASE 1.—SLOPES  $1\frac{3}{4}$  to 1.

1	- 3	1		2	:	3		1	4	5	
Feet,	Mult.	Add.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Feet.
0	.0185	.022	.0370	.086	.0556	.194	.0741	.346	.0926	.540	-
1	.0370	. 065	.0556	.151	.0741	. 281	.0926	.454	.1111	. 670	1
2	. 0556	.151	.0741	. 259	.0926	.410	.1111	. 605	.1296	.843	
3	.0741	. 281	.0926	.410	.1111	. 583	.1296	.799	.1481	1.059	1
4	.0926	.454	.1111	. 605	.1296	.799	.1481	1.037	.1667	1.318	4
5	.1111	.670	.1296	. 843	.1481	1.059	.1667	1.318	.1852	1,620	
6	.1296	.929	.1481	1.123	.1667	1.361	.1852	1.642	.2037	1.966	
7	.1481	1.231	.1667	1.448	.1852	1.707	.2037	2.009	. 2222	2.355	
8	.1667	1.577	.1852	1.815	.2037	2.096	.2222	2.420	.2407	2.787	
9	.1852	1.966 2.398	.2037	2.225 2.679	. 2222	2.528 3.003	. 2407 2593	2.873 3.370	.2593	3.262	
1	.2222	2.873	.2407	3.176	. 2593	3.522	.2778	3.910	.2963	4.343	1
2	.2407	3.392	.2598	3.716	.2778	4.083	.2963	4.494	.3148	4.948	
3	. 2593	3.954	.2778	4.299	.2963	4.688	.3148	5.120	.3333	5.596	
4	.2778	4.559	.2963	4.926	.3148	5.336	. 3333	5.790	.3519	6.287	
5	.2963	5.207	.3148	5.596	.3333	6.028	.8519	6.503	.3704	7.022	
6	.3148	5.898	. 3333	6.309	.3519	6.762	.8704	7.259	.3889	7.799	
7	. 3333	6.633	.3519	7.065	.3704	7.540	.3889	8.059	.4074	8.620	
8	.3519	7.410	.3704	7.864	.3889	8.361	.4074	8.901	.4259	9.485	
9	.3704	8.231	.3889	8.707	.4074	9,225	.4259	9.787	.4444	10.392	
0	. 3889	9.096	.4074	9.593	. 4259	10.133	. 4444	10.716	. 4630	11.343	20
1	.4074	10.003	.4259	10.522	.4444	11.083	.4630	11.688	.4815	12.336	
2	.4259	10.954	.4444	11.494	.4630	12.077	.4815	12.704	.5000	13.373	25
3	.4444	11.948	.4630	12.509	.4815	13.114	.5000	13,762	.5185	14.454	2:
4	.4630	12.985	. 4815	13.568	.5000	14.194	.5185	14.864	.5370	15.577	
5	.4815	14.065	.5000	14.670	.5185	15.318	.5370	16.009	.5556	16.744	
6	.5000	15, 188	.5185	15.815	.5370	16.485	.5556	17.198	.5741	17.954	
7	.5185	16.355	.5370	17.003	.5556	17.694	.5741	18,429	.5926	19.207	
8	.5370	17.565	.5556	18.235	.5741	18.948	.5926	19.704	. 6111	20.503	
9	.5556	18.818	.5741	19.509	.5926	20.244	.6111	21.022	.6296	21.843	
- 1	.5741	20.114	.5926	20.827	.6111	21,583	1000000	22.383	. 6481	23.225	1
1	. 6111	21.454 $22.836$	.6111	22.188	. 6296	22.966	.6481	23,787	.6667	24.651	
3	. 6296	24, 262	.6296	23 593	.6667	24,392 25,861	.6667	25.235 $26.725$	. 6852	26.120	
4	. 6481	25.731	.6667	25.040 26.531	. 6852	27.373	.7037	28, 259	.7037	27.633 $29.188$	
5	. 6667	27.244	.6852	28.065	.7037	28.929	.7222	29.836	.7407	30.787	
6	. 6852	28.799	.7037	29.642	.7222	30,528	.7407	31.457	.7598	32.429	100
7	.7037	30.398	.7222	31.262	.7407	32.170	.7593	33.120	.7778	34.114	
8	.7222	32.040	.7407	32.926	.7593	33.855	.7778	34.827	.7963	35.843	
9	.7407	33.725	.7598	34.633	.7778	35.583	.7963	36.577	.8148	37.614	
0	.7593	35.454	.7778	36.383	.7963	37.355	.8148	38.370	.8333	39.429	
1	.7778	37.225	.7963	38.176	.8148	39.170	. 8333	40.207	.8519	41.287	4
2	.7963	39.040	.8148	40.012	.8333	41.028	.8519	42.086	.8704	43.188	45
3	.8148	40.898	. 8333	41.892	.8519	42.929	.8704	44.009	.8889	45.133	45
4	.8333	42.799	.8519	43.815	.8704	44.873	.8889	45.975	.9074	47.120	4
5	.8519	44.744	.8704	45.781	.8889	46.861	.9074	47.985	.9259	49.151	44
6	.8704	46.731	.8889	47.790	.9074	48.892	.9259	50.037	.9444	51.225	
7	.8889	48.762	.9074	49.843	.9259	50.966	.9444	52.133	.9630	53.343	
8	.9074	50.836	.9259	51.938	.9444	53.083	.9630	54.272	.9815	55.503	
9	.9259	52.954	.9444	54.077	.9630	55.244	.9815	56,454	1.0000	57.907	
0	. 9444	55.114	.9630	56,259	.9815	57.448	1.0000	58.679	1.0185	59.954	5
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i	(	6		7		8		9	1	0	
Feet.	Mult.	Add.	Mult.	Add.	Mult.	Add	Mult.	Add.	Mult.	Add.	Feet.
0	.1111	.778	. 1296	1,059	.1481	1.383	.1667	1.750	.1852	2.160	
1	.1296	.929	.1481	1,231	.1667	1.577	.1852	1.966	. 2037	2.398	
2	.1481	1.123	.1667	1.448	.1852	1.815	.2037	2,225	.2222	2.679	2
3	.1667	1.361	. 1852	1.707	.2037	2.096	.2222	2.528	. 2407	3.003	8
4	.1852	1.642	. 2037	2.009	.2222	2,420	.2407	2.873	. 2593	3.370	4
5	.2037	1.966	. 2222	2,355	. 2407	2.787	. 2593	3,262	.2778	3.781	5
6	. 2222	2.333	. 2407	2.744	. 2593	3.198	.2778	3.694	.2963	4.235	6
7	.2407	2.744	.2593	3.176	.2778	3.651	. 2963	4,170	.3148	4.731	
8	.2593	3.198	.2778	3,651	. 2963	4.148	.3148	4.688	.3333	5.272	
9	.2778	3.694	.2963	4.170	.3148	4.688		5.250	.3519	5.855	
10	.2963	4.235	.3148	4.731	. 3333	5.272		5.855	.3704	6.481	
- 1	1000000	10000000	100000		A Common		10000	6.503	.3889	7.151	
11	.3148	4.818	. 3333	5.336	. 3519	5.898	and the second	7.194	.4074		
12	.3333	5.444	. 3519	5.985	.3704	6.568 7.281	.4074	7.929	.4259	7.864 8.620	
13	.3519	6.114	.3704	6.676	.3889		.4259	8.707	.4444		
14	.3704	6.827	. 3889	7.410	.4074	8.037		9.528	.4630	9.420	
15	.3889	7.583		8.188	.4259	8.836		100000	2000	10.262	1
16	.4074	8,383	.4259	9.009	.4444	9.679	.4630	10.392	.4815	11.148	
17	. 4259	9.225	.4444	9,873	.4630	10.565	.4815	11.299	.5000	12.077	17
18	.4444	10.111	.4630	10.781	.4815		.5000	12.250	.5185	13.049	
19	.4630	11.040	.4815	11.731	.5000	12.466		13.244	.5370	14.065	
20	.4815	12.012	.5000	12.725	.5185	13.481	.5370	14,281	. 5556	15.123	20
21	.5000	13.028	.5185	13.762	.5370	14.540	.5556	15.361	.5741	16.225	21
22	.5185	14.086	.5370	14.843	.5556			16.485	.5926	17.370	
23	.5370	15.188		15.966	.5741		.5926	17.651	.6111	18.559	
24	.5556	16.333	.5741	17, 133	.5926	17.975	.6111	18.861	.6296	19.790	
25	.5741	17,522	.5926	18.343		19.207		20.114	.6481	21.065	
200	100000000000000000000000000000000000000	2012/04/2012	17.27 3.4				. 6481	100000	. 6667	22.383	Γ.
26		18.753	.6111	19.596	.6296	20.481		21.410 22.750	.6852	23.744	
27	.6111	20.028	. 6296	20.892	. 6481		.6667		.7037		
28		21.346	. 6481	22.231	. 6667	23.160		24.133	.7222	25.248	
29	. 6481	22.707	. 6667	23.614		24.565		25.559	.7407	26.596	
30	. 6667	24.111	. 6852	25.040	.7037	26.012	.7222	27.028	1	28.086	
31	. 6852	25.559	.7037	26.509		27.503		28.540	.7593	29.620	
32	.7037	27.049	.7222	28.022	.7407	29,037	.7593	30.096	.7778	31.198	
33	.7222	28,583	.7407	29.577	.7593	30.614	.7778	31.694	.7963	32.818	
34	.7407	30,160	.7593	31.176	.7778	32.235	. 7963	33.336	.8148	34.481	
35		31.781	.7778	32.818	.7963	33.898	.8148	35.022	.8333	36.188	35
36		33, 444	. 7963	34.503	.8148	35.605	.8333	36.750	.8519	37.938	36
37	.7963	35, 151	.8148	36.231	.8333	37.355		38.522	.8704		
38	.8148	36.901	.8333	88.003				40.336	.8889	41.568	
39	.8333	38.694	.8519	39.818		40.985		42.194	.9074	43.448	
10		40.531	.8704	41.676		42.864		44.096	.9259	45.370	
-	70000					and the second second	.9259	46,040	100000	47.336	
11	.8704	42.410	.8889	43,577		44.787			.9630	49.346	
12		44.333	.9074	45.522		46.753	.9444	48.028			
13	.9074	46.299	.9259	47.509	.9444	48.762	.9630	50.059	.9815	51.398	
14	.9259	48.309		49.540	.9630	50.814			1.0000	53,494	
15	for any and any	50.861	.9630	51.614	.9815	100	1,0000	54.250	27 (22.20)	55.633	
16	.9630	52.457	.9815		1.0000		1.0185	56.410		57.815	
17	.9815		1.0000			57, 231		58.614		60,040	
18	1.0000	56.778	1.0185			59.457		60.861		62,309	
	1.0185	59.003	1.0370	60.343	1.0556	61.725	1.0741		1.0926		
50	1.0370	61,272	1.0356	62.633	1,0741	64,037	1.0926	65.485	1,1111	66.975	50
+		-			-		-	_		•	F
9.1		6		7		3		9	1	0	1

TABLE LIL_BASE 1._SLOPES 13 to 1.

	1	1	- 1	2	1	3	1	4	1	5	
Feet.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Feet.
0	. 2037	2.614	.2222	3.111	.2407	3,651	. 2593	4.235	.2778	4.861	0
1	. 2222	2.873	.2407	3.392	. 2593	3.954	.2778	4.559	. 2963	5.207	
2	. 2407	3.176	. 2598	8.716	.2778	4.299	.2963	4.926	.3148	5.596	
3	.2598	3.522	.2778	4.083	. 2963	4.688	.3148	5.336	. 3333	6.028	
4 5	.2778	3.910 4.343	.2963	4.494	.3148	5.120	. 3333	5.790	.3519	6.503	1.10
	0.000	1 7 6 7 7	.3148	4.948	. 3333	5.596	.3519	6.287	.3704	7.022	HG
6	.3148	4.818	.3333	5.444	.3519	6.114	.3704	6.827	.3889	7.583	6
7	.3333	5.336	. 3519	5.985	.3704	6.676	.3889	7.410	.4074	8.188	100
8	.3704	5.898 6.503	.8704	6.568	.3889	7.281	.4074	8.037	.4259	8.836	
9	.3889	7.151	.3889	7.194	4074	7.929	.4259	8.707	.4444	9.528	
10	10000	Share was a few	.4074	7.864	.4259	8.620	.4444	9.420	.4630	10.262	10
11	.4074	7.843	.4259	8.577	.4444	9.355	.4630	10.176	.4815	11.040	
12		8.577	.4444	9.333	.4630	10.133	.4815	10.975	.5000	11.861	
13	.4444	9.355	.4630	10.133	.4815	10.954	.5000	11.818	.5185	12.725	
14	The second second	10.176	.4815	10.975	.5000	11.818	.5185	12.704	.5370	13,633	
15	100000	11.040	.5000	11.861	.5185	12.725	.5370	13.633	.5556	14.583	10
16		11.948	.5185	12.790	.5370	13.676	.5556	14.605	.5741	15.577	
17	.5185	12.989	. 5370	13.762	. 5556	14.670	.5741	15.620	.5926	16.614	
18		13.892	. 5556	14.778	.5741	15.707	.5926	16.679	.6111	17.694	
19		14.929	.5741	15.836	.5926	16.787	.6111	17.781	.6296	18.818	
20	- Byb. 3	16,009	. 5926	16.938	.6111	17.910	.6296	18.926	. 6481	19.985	20
21		17,133	.6111	18.083	. 6296	19.077	.6481	20.114	.6667	21,194	21
22		18,299	. 6296	19,272	. 6481	20.287	.6667	21.346	. 6852	22,448	29
23		19.509	. 6481	20.503	. 6667	21.540	. 6852	22.620	.7037	23.744	2
24		20.762	.6667	21.778	. 6852	22.836	.7037	23.938	.7222	25.083	
25	100000000000000000000000000000000000000	22.059	. 6852	23,096	.7037	24.176	.7222	25.299	.7407	26,466	25
26		23,398	.7037	24.457	.7222	25,559	.7407	26.704	.7593	27.892	26
27		24.781	.7222	25.861	.7407	26,985	.7593	28.151	.7778	29.361	27
28		26.207	.7407	27.309	.7593	28.454	.7778	29.642	.7963	30.873	28
29	.7407	27.676	.7593	28.799	.7778	29.966	. 7963	31.176	.8148	32.429	
30	.7593	29.188	.7778	30.333	.7963	31.522	.8148	32.753	.8333	34.028	3(
31	.7778	30.744	.7963	31.910	.8148	33.120	. 8333	34.373	.8519	35.670	31
32	. 7963	32.343	.8148	33.531	.8333	34.762	.8519	36.037	.8704	37.355	35
33	.8148	33,985	.8333	35, 194	.8519	36,448	.8704	37.744	.8889	39.083	38
34	. 8333	35.670	.8519	36.901	.8704	38.176	.8889	39.494	.9074	40.855	34
35	.8519	37.398	.8704	38.651	.8889	39.948	.9074	41.287	.9259	42.670	35
36		39.170	.8889	40.444	.9074	41.762	.9259	43.123	.9444	44.528	36
37	.8889	40.985	.9074	42.281	.9259	43.620	.9444	45.003	.9630	46.429	
38		42.843	.9259	44.160	.9444	45.522	.9630	46.926	.9815	48.373	38
39	. 9259	44.744	. 9444	46.083	.9630	47.466	.9815	48.892	1.0000	50.361	
40		46.688	.9630	48.049	.9815	49.454	1.0000	50.901	1.0185	52.392	4(
41	.9630	48.676	.9815	50.059	1.0000	51.485	1.0185	52.954	1.0370	54.466	41
42	.9815	50.707	1.0000	52,111	1.0185	53.559	1.0370	55.049	1.0556	56.583	
	1.0000		1,0185		1.0370		1.0556	57.188	1.0741	58.744	48
	1.0185		1.0370	56.346	1.0556	57.836		59.370	1.0926	60.948	44
100	1.0370	57.059	1.0556	58.528	1.0741	60.040	1.0926	61.596	1.1111	63.194	45
	1.0556	59.262	1.0741	60.753	1.0926	62.287	1.1111	63.864	1.1296	65.485	46
	1.0741		1.0926	63,022	1.1111	64.577	1.1296	66.176	1.1481	67.818	
	1.0926	63.799	1.1111	65.333	1.1296		1.1481	68.531	1.1667	70.194	
	1,1111	66.133	1.1296		1.1481	69.287	1.1667	70.929	1.1852	72.614	
50	1.1296	68.509	1.1481	70.086	1.1667	71.707	1.1852	73.370	1.2047	75.077	50
	1	1	1	2	1	3	1	4	1	5	T

SECOND SERIES.

TABLE LII.—BASE 1.—SLOPES 13 to 1.

Γ	1	6 .	1	7	· 1	.8	: 1	9	1	20	
Ī	Mult.	Add	Muk.	Add	Mult.	Add	Mult.	Add	Mult.	Add	7.0
0	.2963 .3148	5.531 5.698	.3148	6.244 6.688	. 3333	7.000 7.410	. 3519	7.799 8.231	. 3704	8. 645 9. 096	
2	.3333	6.309	. 8519	7.065	. 3704	7.864	.3889	8.707	. 4074	9.595	2
3		6.762 7.259	.3704 .3889	7.549 8.659	.3889	8.361	.4074 .4259	9.225 9.767	.4259		
5		7.799	.4074	6.620	. 4259	8.901 9.485		10.392		10.716 11. <b>3</b> 43	
6	4074	8.363	. 4259	9.225	. 4111	10.111		11.040	: 1		
1	4259	9.000	. 4444	9.673	4630	10.781		11.731			
ê	.4444 .4630	9.679	4630	10.565 11.299	4815	11.494 12.250		12.466 13.244			
10	.4815	11.148	. 5(400	12.077	.5185	13.049		14.065		15.123	
11	. 5000	11.945	. 5185	12.989	.5370	13,892		14.929	.5741	16.009	11
12	.5185	12.790	.5370	13.762	. 5556	14,778	. 5741	15.836	. 5926	16.938	12
13	.5370	13.676		14.679	.5741	15.707		16.787	.6111		
14	. 5556 . 5741	14.695 15.577	. 5741 . 5926	15.620 16.614	. 5926 . 6111	16.679 17.694	.6111 .6 <del>2</del> 96	17.781 18.818		18.926 19.985	
16	. 5926	16.593	.6111	17.651	. 6296	18.753	. 6481		. 6007	21.086	
17	.6111	17.651		16.731	.6481	19.855	. 6667	21.022	. 6852	22.231	
1ē	. 6296	18.753	. 6481	19.855	. 6667	21.00%	. 6852	22, 188			
19 20	. 6461 . 6667	19.898 21.086	. 6667 . 6852	21.022	. 6952 . 7037	22.188 23.420	.7037 .7222	23.398 24.651			
20 21.	. 6952	22.318	.7937	23.485	. 7222	24.694		25.948			
Z1. 22:		23.595	. 7222	24.761	.7407	26.012	.7497 .7593	27.267			
23		24.910	7497	26.120	7593	27.373	.7778	28.670			
	.7497	26, 272	. 7593	27.503	.7776	28,778	. 7963	39, 096	.8148	31.457	
	.7593		.7778	28.929	. 7: 53	30, 225		31.565		32.948	: 1
26.	.7776	29.123 30.614	.7963		.8148		.8333				
27 28	8148	39 148	. 8148 8333	31.910 33.466	.8333 .8519	33.259 34.827		34.633 36.231	2439	36.059 37.679	28
29	.8333			35.065	.8704	36.448	8889		.9074	39.343	29
30	. 8519	35.346	4978.	36.797	6888	38, 111	.9074	39.559	.9259	41.049	30
31		37.009		38.392	.9074	39.818	.9259			42.799	
32 33		38.716 40.466		40.120 41.892	.9259 .9444	41.568 43.361		43.059 44.873	. 9630	44.593	32
34		42.259		43.707		45.198	.9815	46.731			
35		44.096		45.565	.9815		1.0000				
36		45.975		47.466							
				49.410							
				51.398 53.429							
				55.593							
	I			57.620						62.676	t I
12	1.0741	58.160	1.6926	59.781	1.1111	61.444	1.1296	<b>63</b> . 151	1.1481	64.901	43
				61.985				65.398			
	1.1111	62.368 64.336	1.1481	64 231 66.522		65.938 68.250		67.688 70.0 <del>22</del>		69.481 71.836	
		67.148		68.855				72.398	- 1	74.235	
		69.503		71.231	1.2047	73.003	1.2222	74.818	1.2407	76.676	
		71.901		73.651	1.2222	73.411	1.2407	77.281	1.2593	79.160	
				76.114 78.620							
Ľ		. 7. 721	1.4177					J2.330			
	1	<b>6</b>	1	7 :	1	8 ;	1:	9	2	0	
Ш		<b>o</b> i		<del></del>		- !					Ц

## TABLE LII.—BASE 1.—SLOPES $1\frac{3}{4}$ to 1.

	2	21	2	2	2	23	2	4	2	25	
Peet.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Feet.
0	.3889	9.528	.4074	10,457	. 4259	11.429	.4444	12.444	.4630	13.503	-
1	.4074	10.003	.4259	10.954	.4444	11.948	.4630	12.985	.4815	14.065	1
2	.4259	10.522	.4444	11.494	.4630	12.509	.4815	13.568	.5000	14.670	
3	.4444	11.083	.4630	12.077	.4815	13, 114	.5000	14.194	.5185	15.318	
4	.4630	11.688	,4815	12.704	.5000	13.762	.5185	14.864	.5370	16.009	4
5	.4815	12.336	.5000	13.373	.5185	14.454	. 5370	15.577	.5556	16.744	5
6	.5000	13.028	.5185	14.086	.5370	15.188	.5556	16.333	.5741	17.522	
7	.5185	13.762	,5370	14.843	.5556	15.966	.5741	17.133	.5926	18.343	
8	.5370	14.540	.5556	15.642	.5741	16.787	.5926	17.975	.6111	19.207	8
9	. 5556	15.361	.5741	16.485	.5926	17.651	.6111	18,861	6496	20.114	
10	.5741	16.225	.5926	17.370	.6111	18.559	.6296	19.790	.6481	21.065	100
11	.5926	17.133 18.083	.6111	18,299 $19,272$	.6296	19.509 $20.503$	.6481	20.762 $21.778$	.6667	22.059 23.096	
12	.6111	19.077	.6481	20.287	.6667	21.540	.6852	22.836	.7037	24.176	
13	.6481	20.114	.6667	21.346	.6852	22.620	.7037	23.938	.7222	25.299	
14 15	.6667	21.194	.6852	22,448	.7037	23.744	.7222	25.083	.7407	26.466	
16	. 6852	22.318	.7037	23.593	.7222	24.910	.7407	26,272	.7593	27.676	
17	.7037	23.485	.7222	24.781	.7407	26.120	.7598	27.503	.7778	28,929	
18	.7222	24.694	.7407	26.012	.7593	27.373	.7778	28.778	. 7963	30.225	
19	.7407	25.948	.7593	27.287	.7778	28.670	.7963	30.096	.8148	31.565	
20	.7593	27.244	.7778	28.605	.7963	30.009	.8148	31.457	. 8333	32.948	
21	.7778	28.583	.7963	29.966	.8148	31.392	.8333	32.861	.8519	84.378	21
22	.7963	29.966	.8148	31.370	. 8333	32.818	.8519	34.309	.8704	35.843	22
23	.8148	31.392	.8333	32.818	.8519	34.287	.8704	35.799	.8889	37.355	28
24	. 8333	32.861	.8519	34,309	.8704	35.799	.8889	37.333	.9074	38,910	24
25	.8519	34.373	.8704	35.843	.8889	87.855	.9074	38.910	.9259	40.509	25
26	.8704	35.929	.8889	37.420	.9074	38.954	.9259	40.531	.9444	42,151	
27	.8889	37.528	.9074	39.040	.9259	40.596	.9444	42.194	.9630	43.836	
28	.9074	39.170	.9259	40.704	.9444	42.281	.9630	43.901	.9815	45.565	
29	.9259	40.855	.9444	42.410	.9630	44,009	, 9815	45.651	1.0000	47.336	
30	.9444	42.583	.9630	44.160	.9815	45,781	1.0000	47.444	1.0185	49.151	100
31	.9630	44.355	.9815	45.954	1.0000	47.596	1.0185	49.281	1.0370	51.009	
32	.9815	46.170	1.0000	47.790	1.0185	49.454	1.0370	51.160	1.0556	52.910	
	1.0000		1.0185	49.670	1.0370	51.355	1.0556	53.083	1.0741	54.855	
	1.0185	49.929 51.873	1.0556	51.593 $53.559$	1.0556 $1.0741$	55, 299	1.0741 $1.0926$	55.049 57.059	1.0926 $1.1111$	56.843 58.873	
55	Company of the Company	and the second	6 THE STATE OF THE	C 104 2 1444	1 20 / 50	market and the	handless before	59.111	1.1296	60.948	1
	1.0556		1.0741	55.568	1.0926	57.318	1.1111	61.207	1.1481	63.065	
	1.0741	55.892		57.620	1.1111	59.392 $61.509$	1.1296	63.346	1.1667	65.225	
	1.0926	57.966		59.716	1.1296	63.670	1.1667	65.528	1.1852	67.429	
	$1.1111 \\ 1.1296$	60.083 62.244		61.855 $64.037$	1.1481	65.873	1.1852	67.753	1.2047	69.676	
7.1	100 CO	100,000,000	N. C. N. A.	66.262	1.1852	68.120	1.2047	70.022	1.2222	71.966	1
	1.1481 1.1667	64,448 66,694		68.531	1.2047	70.410	1.2222	72.333	1.2407	74.299	
	1. 1852	68.985		70.843	1.2222	72.744	1.2407	74.688	1,2593	76.676	
	1.2047	71.318		78.198		75.120	1.2593	77.086	1.2778	79.096	
45	1.2222				1.2593	77.540	1.2778	79.528	1.2963	81,559	
	1.2407	76.114	1.2593	78,037	1.2778	80.003	1.2963	82.012	1.3148	84.065	100
	1.2593	78.577			1.2963	82.509	1.3148		1.3333	86.614	1-
	1.2778	81.083			1.3148		1.8333	87.111	1.3519	89.207	
	1.2963	83.633			1.3333	87.651	1.3519	89.725	1.3704	91.843	
	1.3148		1.3333		1.3519		1.3704	92,383	1.3889	94.522	
-				-	- 2 1						1
	2	21	2	22	2	23	2	4	2	25	

## TABLE LII.—BASE 1.—SLOPES $1\frac{3}{4}$ to 1.

S 12 1 0 Feet.	Mult. . 4815	Add.	Mult.	27				-	-		
1 2			Mun.	Add.	Mult.	Add	Mult.	Add.	Mult.	Add.	Peet,
2		14.605	.5000	15,750	.5185	16,938	.5370	18.170	.5556	19.444	0
	.5000	15.188	.5185	16.355	.5370	17.565	.5556	18.818	.5741	20.114	1
3	.5185	15.815	. 5370	17,003	. 5556	18,235	.5741		.5926	20.827	
	.5370	16.485	. 5556	17.694	.5741	18,948		20.244	.6111	21.583	3
4	.5556	17.198	.5741	18,429	.5926	19.704	.6111	21.022	.6296	22.383	
5	.5741	17.954	.5926	19.207	.6111	20.503	.6296	21.843	.6481	23.225	5
6	.5926	18,753	.6111	20.028	.6296	21.346	. 6481	22.707	.6667	24.111	6
7	.6111	19,596	. 6296	20.892	.6481	22,231	.6667	23.614	. 6852	25.040	7
8	.6296	20,481	. 6481	21.799	.6667	23.160		24.565	.7037	26.012	8
9	.6481	21,410	.6667	22.750	. 6852	24.133	.7037	25.559	.7222	27.028	
0	.6667	22.383	. 6852	23.744	.7037	25.148	.7222	26.596	.7407	28.086	10
11	. 6852	23,398	.7037	24.781	.7222	26, 207	.7407	27.676	.7593	29.188	11
12	.7037	24.457	.7222	25.861	.7407	27,309	.7593	28.799		30.333	12
13	.7222	25,559	.7407	26.985	.7593	28,454	.7778	29.966	.7963	31.522	13
14	.7407	26.704	.7593	28, 151	.7778	29,642	.7963	31.176	.8148	32.753	14
15	.7593	27.892	.7778	29.361	. 7963	30.873	.8148	32.429	. 8333	34.028	15
6	.7778	29, 123	.7963	30,614	.8148	32.148	. 8333	33.725	.8519	35, 346	16
7	. 7963	30.398		31.910	.8333	33.466		35.065	.8704		100
8	.8148	31,716		33.250	.8519	34.827	.8704	36.448		38.111	
19	.8333	33.077	.8519	34,633	.8704	36.231	.8889	37.873	.9074	39.559	19
20	.8519	34.481	.8704	36.059	.8889	37.679	.9074	39.343	.9259	41.049	20
1	.8704	35,929	.8889	37.528	.9074	39,170	.9259	40.885	.9444	42.583	21
2	.8889	37,420		39.040		40.704		42,410		44.160	
13	.9074	38,954	.9259	40,596	.9444	42.281	9630	44.009	.9815	45.781	
14	.9259	40,531	W. C.	42, 194	.9630			45.651		47.444	13.4
25	.9444	42, 151		43.836	.9815		1.0000			49.151	
26	,9630	43,815	,9815	15 500	1.0000	47.272		49.065		50.901	96
27	.9815					49.022			1.0556	52.694	
	1.0000		1.0185			50.815				54.531	
	1.0185		1.0370			52.651			1.0926	56.410	
	1.0370		1.0556		1.0741			56.410		58.333	
1.3	1,0556	200	1.0741			56.454			1.1296	60.299	
	1.0741		1.0926	56.540		58.420		60.343		62.309	
	1.0926		1.1111	58.528		60.429			1.1667	64.361	
	1.1111			60.559					1.1852	66.457	
	1.1296		1.1481	62.633			1.1852		1.2047		
	F1 5 100	1909 (0.00)	1.1667		1.1852	66.716	and the same	11 TO 12 TO 1	1,2222	70,778	
	1.1481		1.1852	66.910			1.2222	70.929		73.003	
	1, 1852		1.2047	69.114			1.2407	73.176		75.272	
	1.2047		1.2222		1.2407		1.2593		1.2778	77.583	
	1.2222		1.2407	73.651			1.2778		1.2963	79.938	
	777 6 3 1	1000	U. ************************************					110 36 01	1000000		1
	1.2407		1.2593		1.2778		1.2963		1.3148		
	1.2593		1.2963			82.898			1.3519		
	1.2963		1.3148			85.383			1.3704	89.790	
	1.3148		1.3333		1.3519		1.3704		1.3889	92.361	
		100	The second		The second second	The second second	A	1000	1000		
	1.3333		1.3519					92.707			
	1.3519		1.3704					95.343			
	1.3704 $1.3889$							98.022 100.744			
	1.4074							100.744			
·V	1.4174	30, 104	1.4239	34.020	1. 1111	1.1.130	1.4030	100.009	1.4010	100.004	30
_											
	2	26	2	7	2	8	2	9	3	30	

	1	31		32	:	33	3	34	3	35	
Peet.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Peet.
0	.5741	20.762	.5926	22.123	.6111	23,528	.6296	24.975	. 6481	26.466	0
1	.5926	21.454	.6111	22.836	. 6296	24.262	. 6481	25.731	.6667	27.244	1
2	.6111	22.188	.6296	23.593	. 6481	25.040	.6667	26.531	. 6852	28,065	2
3	.6296	22,966	.6481	24.392	. 6667	25.861	. 6852	27.373	.7037	28.929	3
4	.6481	23.787	.6667	25.235	. 6852	26.725	.7087	28.259	.7222	29.836	4
5	.6667	24.651	. 6852	26.120	.7037	27.633	.7222	29,188	.7407	30.787	5
6	. 6852	25.559	.7037	27.049	.7222	28.583	.7407	30.160	.7593	31.781	6
7	.7037	26.509	.7222	28.022	.7407	29.577	.7593	31,176	.7778	32.818	7
8	.7222	27.503	.7407	29.037	.7593	30,614	.7778	32.235	.7963	33.898	8
9	.7407	28.540	.7593	30,096	.7778	31.694	.7963	33,336	.8148	35.022	9
0	.7593	29.620	.7778		.7963	32.818	.8148	34, 481	. 8333	36.188	10
	1000	X 200 Sec. 200	2	0.000	the principal	13.5	. 8333	35,670	.8519	37.398	66
1	.7778	30.744	.7963	32,343	.8148	33,985					
2	.7963	31.910	,8148	33.531	.8333	35, 194	.8519	36.901	.8704	38.651	
3	.8148	33.120	.8333	34.762	.8519	36,448	.8704	38.176	.8889	39,948	
14	.8333	34.373	,8519		.8704	37.744	.8889	39.494	.9074	41.287	
15	.8519	35.670	.8704	37.855	.8889	39.083	.9074	40.855	.9259	42.670	13.5
16	.8704	37.009	.8889	38.716	.9074	40.466	.9259	42.259	.9444	44.096	16
7	.8889	38.392	.9074	40.120	.9259	41.892	.9444	43.707	.9630	45.565	17
8	.9074	39.818	.9259	41.568	.9444	43,361	.9630	45.198	.9815	47.077	
19	.9259	41.287	.9444	43,059	.9630	44.873	.9815	46,731	1.0000	48,633	19
0	.9444		.9630			46,429	1.0000	48,309	1.0185	50.231	20
1	.9630	44.355	. 9815	46.170	1 0000	48.028	100,000,000	49.929	1.0370	51.878	21
22	.9815	45.954	1.0000	47.790		49.670			1.0556	53.559	
	1.0000		1.0185	49.454			1.0556	53.299	1.0741	55.287	
	1.0185		1.0370		1.0556	100 200 200 200		55.049	1.0926	57.059	
	1.0370		1.0556				1.0926	56.843	1.1111	58.873	
	1 - 10-	6.2 75.	400000	10 may 1	0.000			10,40,4000	0.00		
	1.0556	52.781	1.0741	54.704		56.670		58,679	1.1296	60.731	
	1.0741		1.0926			58.528		100000000	1.1481	62,633	
	1.0926	F 10 F 10 C 11	1.1111		1.1296	60,429		62,481	1.1667	64.577	
	1.1111		1.1296			62,878		64.448	1.1852	66.565	
30	1.1296	60.299	1.1481	62,309	1.1667	64,361	1.1852	66.457	1.2047	68.596	30
11	1.1481	62, 287	1.1667	64.318	1.1852	66.392	1.2047	68.509	1.2222	70.670	31
	1.1667		1.1852			68.466		70.605	1.2407	72.787	
	1.1852	66.392			1.2222	70.583		72.744	1.2593	74.948	33
	1.2047		1,2222	70.605			1,2593	74.926	1.2778	77.151	
	1.2222	100000000000000000000000000000000000000	1.2407		1.2593		1.2778	77.151	1.2963	79.398	
	1.2407	100000000000000000000000000000000000000	1,2593		200		1.2963	79,420	1.3148	81.688	
									1.3333	84.022	
	1.2593		1.2778		1,2963	79.485		81.731 84.086	1.3519	86.398	
	1.2778	11.000	1,2963	100000000000000000000000000000000000000	1.3148	81.818			1.3704	88,818	
	1.2963		1,3148	100 200 1000		84.194				91,281	
	1.3148	14.3836 (10.44)	1.3333	OP - 11 / (4)	1.3519	86.614	Same and	The second second	1.3889		
-1	1.3333	84.540	1.3519	86,787	1.3704	89.077	1.3889		1.4074	93.787	
	1.3519	87.003	1.3704	89.272	1.3889	91.583		93,938		96.336	
3	1.3704	89.509	1.3889	91,799	1.4074	94.133	1,4259		1.4444		100
4	1.3889	92.059	1.4074	94.370	1.4259	96.725	1.4444	99,123		101.565	
5	1,4074	94.651	1.4259	96.985	1.4444	99.361	1.4630	101.781	1.4815	104.244	45
G	1.4259	97. 987	1.4444	99.649	1.4630	102.040	1.4815	104, 481	1.5000	106,966	46
	1.4444			102.343	1.4815	104.769	1.5000	107, 225		109.731	
		102.688	1 4815	105 086	1.5000	107 598	1 5185				
		105,454	1 5000	107.873	1.5185	110 336	1.5370	112.843	1.5556	115.399	49
		108.262	1.5185	110.704	1.5370	113, 188	1.5556	115,716	1.5741	118.287	50
-	2.0000	200.202	1.0100	.10.101							
				10		10		A.		15	
	1 3	31		32		33	1 3	4		10	ı

	3	86	3	7	3	8	3	9	4	0	1
Fert	Mult.	Add.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Mult.	Add,	Feet.
0	. 6667	28,000	. 6852	29.577	.7037	31,198	.7222	32.861	.7407	34.568	0
1	, 6852	28, 799	.7037	30.398	.7222	32.040	.7407	33.725	.7593	35.454	1
2	. 7037	29,642	.7222	31.262	.7407	32,926	.7593	34.633	.7778	36.383	
3	. 7222	30,528	.7407.		.7593	33,855	.7778	35.853	.7963	37.355	
4	.7407	81.457	.7593	33,120	.7778	34.827	. 7963	36.577	.8148	38.370	
â	.7593	32, 429	.7778	34.114	.7963	35.843	.8148	37.614	.8333	39.429	1
6	.7778	33.444	.7963		.8148	36.901	.8333	38.694	.8519	40.531	
1.0	.7963	34,503	.8148		, 8333	38.003	.8519	39.818	.8704	41.676	
8	,8118	35,605	.8333	37.355 38.522	.8519	39,148 40,336	.8704	40.985 $42.194$	.8889	42.864 $44.096$	
10	.8519	37, 938	.8704	39.731	.8889	41.568	.9074	43.448	.9259	45.370	
11	. 8704	39,170	.8889		.9074	42,843	.9259	44.744	.9444	46.688	1
10		40, 444	,9074		.9259	44.160	.9444	46.083	.9630	48.049	
18	100	41,762	.9259	43,620		45,522		47.466		49.454	
14				45,003	.9630	46,926	.9815		1.0000	50.901	
18	1		.9630	46, 429	.9815	48.373		50.361		52.392	
16	.9630	45,975	.9815	47.898	No. 24 29	19.864	1.0185		1.0370	53.926	122
5.77	.9815				1,0185		0.1.000000		1.0556	55.503	
	1,0000.		1.0185	50.966	1.0370			55.028		57.123	
	1,0185	50, 577	1.0370	52.565	1.0556	54.596	1.0741	56.670	1.0926	58.787	19
24)	1.0370	52, 198	1.0556	54.207	1.0741	56, 259	1.0926	58.355	1.1111	60.494	20
21	1,0556	53, 861	1.0741	55.892	1.0926	57.966	1.1111	60.083	1.1296	62.244	21
3.3	1.0711	55, 568	1.0926		1,1111	59.716	1.1296	61.855	1.1481	64.037	22
	1,0926	57.318		20.365		61.509			1.1667.		
	1,1111	59,111		61,207		63.346			1.1852	67.753	
വ	1, 1296	60,948	1.1481	63.065	1.1667	65, 225	1.1852		1.2047	69.676	
	1.1181			64,966			1.2047		1.2222	71.642	
	1, 1667	64.750		66,910			1 3333		1.2407	73.651	
	1.1852	66.716		68.898		71, 123			1.2593	75.704	
	1.2047	68.725		70,929			1.2593		1.2778	77.799	
	1,2222	70,778		73,003		75.272			1.2963	79,938	
	1.2407	72.875			1.2778	77.410				82.120	1
	1,2393		1.2778	77.281				81.948		84.346	
	1.2963		1.3148		1.3148	84.086		84.194		88.926	100
	1.3148	81.688			1.3519			88.818		91.281	
	1.3333		1.3319		20 20 20	88,753					100
	1.3019		1.3704			91.131					
	1.3704			91.131							
39	1.3552	21.134		93.614	2- 6-1-7			98.383			
H.	1.4074	23. 679.	1. 1239			98.603					
11	1. 1239	96.20	1. 4444	98.670	1. 4630	101, 176	1.4813	103.725	1.5000	106.318	41
		48.778									
		1.12. 302									
FF	1, 1813.	124, 343	1.5000	106.577	1.5185	109.148	1.5370	111.762	1. 3534	114_420	(1)
k.y	1. 3300	599. 73m	1.3183	100.299	1.537	111.892	1.3536	114.528	1.5741	117,207	45
r ti	1 3183	t 27, 194	1 537%	112.065	1. 3556.	114.679	1.574:	117.336	1. 3926	120.037	46
į.	1 337 0	12.24	1. )559.	111.573	1.5741	117.3.19	1.5926	120.186	1.4111	130 910	1 17
		113.111		117.723							
		117 980									
61.7	1 9334	120 941	1 dill	123.330	1. 6236.	126.253	1.7481	129.003	L. min.	131.790	151
3			-				_				1
		ŝn		7		8		9	1		

0         .7593         36.318         .7778         38.111         .7963         39.948         .8148         41.827         .8333         43.779         .8519         42.796         .8148         40.012         .8333         41.892         .8519         43.815         .8704         45.8148         .83176         .8148         40.012         .8333         41.892         .8519         43.815         .8704         45.819         42.929         .8704         44.873         .8889         46.74         .8889         45.975         .9074         47.120         .9259         9074         47.120         .9259         9074         47.120         .9259         9074         47.920         .9259         49.944         8889         45.975         .9074         47.920         .9259         49.740         .9484         48.028         .9630         50.059         .9259         48.309         .9444         50.98         9.9259         47.509         .9444         48.028         .9630         50.059         .9815         52.133         10000         51.486         .9815         52.781         1.0185         54.888         1.0370         56.346         .9815         52.781         1.0185         54.888         1.0370         56.346         1.0556<			41	4	12		43	4	14	4	15	9
1 7778 37.225 7963 89.040 8148 40.092 8333 42.799 8519 44. 2 .7963 38.176 .8148 40.012 8333 41.892 .8519 43.815 8704 45. 3 .8148 39.170 .8333 41.028 .8519 42.929 .8704 44.873 .8889 45. 4 .8333 40.207 .8519 42.086 .8704 44.099 .8889 45.975 .9074 47. 5 .8519 41.287 .8704 43.188 8889 45.133 .9074 47.120 .9259 49. 6 .8704 42.410 .8889 44.333 .9074 46.299 .9259 48.309 .9444 50. 7 .8889 43.577 .9074 45.522 .9259 47.509 .9444 49.540 .9680 51. 8 .9074 44.787 .9259 46.755 .9444 48.762 .9630 50.814 .9815 52. 9 .9259 46.040 .9444 48.028 .9630 50.059 .9815 52.133 1.0000 54. 10 .9444 47.336 .9630 49.346 .9815 51.398 1.0000 53.494 1.0185 55. 11 .9630 48.676 .9815 50.707 1.0000 52.781 1.0185 54.898 1.0370 57. 12 .9815 50.059 1.0000 52.111 1.0185 54.207 1.0370 56.346 1.0356 58. 13 1.0000 51.485 1.0385 53.559 1.0370 55.676 1.0556 57.836 1.0741 60. 14 1.0185 52.954 1.0370 55.049 1.0556 57.188 1.0741 59.370 1.0926 60. 15 1.0370 54.466 1.0556 56.583 1.0741 58.744 1.0926 60.948 1.1111 63. 16 1.0556 56.022 1.0741 58.160 1.0926 60.343 1.1111 62.568 1.1296 64. 17 1.0741 57.6200 1.0926 59.781 1.1111 61.985 1.1296 64.231 1.1481 64.000 1.1296 63.651 1.1481 65.938 1.1667 67.688 1.852 70. 12 1.1481 64.448 1.1667 66.694 1.1852 68.985 1.2047 71.318 1.2222 73. 13 1.1852 68.120 1.2047 70.422 1.2222 72.333 1.2047 70.848 1.2292 73.198 1.2227 73. 14 1.2047 70.022 1.2222 72.333 1.2047 74.688 1.2393 77.086 1.2778 79. 15 1.2693 75.985 1.2778 78.361 1.2963 80.781 1.3148 82.346 1.3333 84.779 1.3889 91.400 1.266 1.3338 84.781 1.348 82.346 1.3338 84.778 1.3519 87.565 1.3704 99.139 1.4074 94.370 1.2529 71.4444 98.799 1.3506 1.3509 1.4444 98.791 1.3519 86.787 1.3598 91.400 1.266 1.3566 1.3338 84.777 1.3889 91.400 1.266 1.3566 1.3566 1.3338 84.777 1.3889 91.400 1.565 1.3509 1.404 91.356 1.3509 1.404 91.359 1.404 91.358 91.400 1.565 1.3509 1.200 1.266 1.3509 1.3519 87.565 1.3704 91.2600 1.2601 1.3589 91.400 1.565 1.3509 1.3519 87.565 1.3309 91.400 1.565 1.3509 1.404 91.3509 1.404 91.3509 1.404 91.3509 1.404 91.3509 1.404 91.3509 1.404 91.3509 1.404 91.3509	M	fult.	Add.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Feet.
2 7963 38.176 8148 40.012 8333 41.892 8519 43.815 8704 44.873 8889 46. 8333 40.207 8519 42.086 8704 44.099 8889 45.75 9074 75. 8519 41.287 8704 43.188 8889 45.133 9074 47.120 9259 49. 8689 43.577 9074 45.522 9259 47.509 9444 49.540 9680 78.889 43.577 9074 45.522 9259 47.509 9444 49.540 9680 79. 8889 43.577 9074 45.522 9259 47.509 9444 49.540 9680 79. 9259 46.040 9444 48.028 9630 50.059 9815 52.133 1.0000 54. 10.944 47.336 9630 49.346 9815 51.398 1.0000 53.494 1.0185 52.935 11. 9630 48.676 9815 50.707 1.0000 52.781 1.0185 54.898 1.0370 56.346 1.0556 56. 10.000 52.111 1.0185 54.207 1.0370 56.346 1.0556 58. 10.185 52.954 1.0370 55.676 1.0556 57.188 1.0741 59.370 1.0926 61. 10.185 52.954 1.0370 55.049 1.0556 57.188 1.0741 59.370 1.0926 61. 10.185 52.954 1.0370 55.049 1.0556 57.188 1.0741 59.370 1.0926 61. 10.194 57.620 1.0926 59.781 1.1111 61.985 1.1296 63.670 1.1481 64.948 1.1296 63.670 1.1481 65.938 1.1667 68. 1111 60.948 1.2926 63.670 1.1481 65.938 1.1667 68. 1111 61.444 1.1296 63.670 1.1481 65.938 1.1667 68. 1.1296 62.676 1.1481 64.901 1.1667 67.170 1.1852 69.481 1.2047 71. 21 1.1481 64.448 1.1667 66.694 1.1852 68.120 1.2047 70.410 1.2222 7.441 1.2407 75.120 1.2593 77.086 1.2222 71.966 1.2407 70.422 1.2222 71.966 1.2407 70.422 1.2222 71.966 1.2407 70.422 1.2222 71.966 1.2407 70.429 1.2232 77. 688 1.2296 77.088 1.2292 77. 188 1.2292 77. 188 1.2333 85. 1.3519 86.787 1.348 82.596 1.3333 85.009 1.4074 93.787 1.4449 89.792 1.3689 91.4074 93.787 1.4449 89.792 1.3889 91.409 1.404 98.787 1.348 82.396 1.3444 98.789 1.404 98.787 1.4449 98.787 1.4444 98.670 1.3444 98.787 1.4444 98.799 1.4074 94.370 1.4259 96.381 1.300 1.556 114.355 10.3704 99. 1.5556 114.355 10.3704 99. 1.4074 93.787 1.4559 96.336 1.4444 98.929 1.4630 101.565 1.4815 104.799 1.4074 94.370 1.4259 96.336 1.4444 98.799 1.4074 94.370 1.4259 96.336 1.4444 98.799 1.4074 94.370 1.4259 96.336 1.4444 98.999 1.4074 94.370 1.4259 96.336 1.4444 98.799 1.4074 94.370 1.4259 96.336 1.4444 98.799 1.4074 94.370 1.4259 96.336 1.4444 98.799 1.4074 94.370 1.4259 96.336 1.4444								. 8148		. 8333	43.750	0
8       8148       39,170       ,8839       41,028       ,8519       42,086       ,8704       44,099       ,8889       45,975       ,974       47,120       ,9259       6,8704       42,410       ,8889       44,333       ,9074       46,299       ,9259       48,309       ,9444       50         8       ,9974       44,787       ,9259       46,759       ,9959       44,381       ,9969       49,759       ,9959       48,309       ,9444       50       ,9680       51       ,8974       44,787       ,9959       46,759       ,9959       46,040       ,9444       48,028       ,9630       50,059       ,9815       52,133       1,0000       54       ,1000       53,494       1,0185       55       2,133       1,0000       54       1,0185       55       2,133       1,0000       54       1,0185       54       2,071       1,0370       56       346       1,0556       56       58       1,0185       54       2,071       1,0370       56       346       1,0556       56       58       1,0741       59       3,784       1,0185       51       3,894       1,0185       51       3,894       1,1111       63,894       1,1111       63,894       1,1111 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>.8519</td> <td>44.744</td> <td>1</td>										.8519	44.744	1
4         8333         40,207         8519         42,086         8704         44,009         8889         45,975         ,9074         47,120         ,9259         48,588         6,8704         42,410         ,8889         44,333         ,9074         46,299         ,9259         48,393         ,9444         49,540         ,9630         51           8         ,9074         44,787         ,9259         46,753         ,9444         48,762         ,9630         50,814         ,9815         52,333         ,0004         52,9815         52,133         ,0000         51,338         1,0000         53,494         1,0185         55         51,398         1,0000         53,494         1,0185         55         51,398         1,0000         53,494         1,0185         55         51,398         1,0000         53,494         1,0185         55         51,398         1,0000         53,494         1,0185         55         51,398         1,0000         53,491         1,0185         54         807         1,0370         56,484         1,0185         54         207         1,0370         56,484         1,0185         54         207         1,0370         56,484         1,0185         57         88         1,0741											45.781	2
5         8519         41.287         8704         43.188         8889         45.133         .9074         47.120         .9259         49.66           6         8704         42.410         .8889         44.333         .9074         46.299         .9259         48.309         .9444         49.540         .9880         51.7888         9.974         44.787         .9259         46.753         .9444         48.762         .9630         50.814         .9815         52.133         1.0000         52.131         1.0000         52.131         1.0000         52.131         1.0000         52.781         1.0185         54.298         1.0370         55.691         1.0000         52.781         1.0185         54.898         1.0370         55.618         1.0741         58.561         1.0741         56.346         1.0370         55.6491         1.0556         56.622         1.0741         58.550         1.0741         58.766         1.0556         56.622         1.0741         58.160         1.0926         60.343         1.1111         62.568         1.2047         70.481         1.1111         61.444         1.1667         66.594         1.1852         68.985         1.2047         71.318         1.2222         73.394         1.2296				4,400,000							46.861	3
6 . 8704											47.985	
7         8.889         43.577         .9074         45.522         .9259         46.753         .9444         48.762         .9630         50.815         9.9259         46.940         .9444         48.028         .9630         50.959         .9815         52.133         1.0000         54.000         .9444         48.028         .9630         50.059         .9815         52.133         1.0000         52.133         1.0000         54.000         55.059         .9815         52.133         1.0000         55.066         1.0370         56.486         1.0370         56.486         1.0370         56.466         1.0556         57.886         1.0556         57.886         1.0741         60.411         1.0370         55.049         1.0370         55.049         1.0370         55.049         1.0370         55.049         1.0370         55.676         1.0556         57.886         1.0741         58.160         1.0926         60.343         1.1111         62.566         60.022         1.0741         58.160         1.0926         60.343         1.1111         62.5676         1.1481         64.901         1.1667         67.170         1.1481         65.9262         1.1111         61.4441         1.9852         68.985         1.2047         71.318         <			200	1464.5	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	10.000	Property and the	100000000000000000000000000000000000000		10000	49, 151	18
8         9.9749         44.787         .9259         46.768         .9444         48.028         .9630         50.059         .9830         50.814         .9000         53.494         1.0000         53.494         1.0085         55.         1.0000         53.494         1.0185         55.         1.0000         53.494         1.0185         55.         50.059         1.0000         52.111         1.0185         54.207         1.0370         56.346         1.0556         58.346         1.0370         55.049         1.0370         55.649         1.0370         56.346         1.0556         58.346         1.0370         55.049         1.0556         57.188         1.0741         59.370         1.0926         60.948         1.1111         63.670         1.0566         57.188         1.0741         59.370         1.0926         60.343         1.1111         62.566         1.0926         59.781         1.1111         61.944         1.1296         63.670         1.1481         65.988         1.2267         60.948         1.1296         62.676         1.1481         64.991         1.1481         61.945         1.1481         65.988         1.1667         66.684         1.1852         68.985         1.2047         71.318         1.2222         73											50.361	6
9											51.614	
10         .9444         47.836         .9680         49.846         .9815         51.398         1.0000         53.494         1.0185         55.           11         .9630         48.676         .9815         50.707         1.0000         52.781         1.0185         54.898         1.0370         57.           13         1.0000         51.485         1.0370         55.676         1.0370         56.346         1.0576         66.041         1.0370         55.649         1.0370         55.676         1.0556         57.836         1.0741         60.043         1.0741         59.3781         1.1111         61.0556         56.022         1.0741         58.160         1.0926         60.343         1.1111         62.568         1.1296         64.231         1.1481         66.674         1.1481         64.941         1.1296         63.670         1.1481         65.938         1.1667         68.120         1.1481         64.911         1.1481         65.398         1.1667         67.688         1.1852         69.481         1.2047         70.843         1.2222         73.198         1.2047         71.318         1.2222         73.331         1.2047         70.922         1.2247         70.022         1.2253         70.843											52.910	
$\begin{array}{c} 11 \\ 12 \\ 19815 \\ 50 \\ 059 \\ 10900 \\ 51 \\ 485 \\ 10900 \\ 51 \\ 485 \\ 10900 \\ 51 \\ 485 \\ 10900 \\ 51 \\ 485 \\ 10900 \\ 51 \\ 485 \\ 10900 \\ 51 \\ 485 \\ 10900 \\ 51 \\ 485 \\ 10900 \\ 51 \\ 485 \\ 10900 \\ 51 \\ 485 \\ 10900 \\ 51 \\ 485 \\ 10900 \\ 51 \\ 485 \\ 10900 \\ 51 \\ 485 \\ 10900 \\ 51 \\ 485 \\ 10900 \\ 51 \\ 485 \\ 10900 \\ 51 \\ 485 \\ 10900 \\ 51 \\ 485 \\ 10900 \\ 51 \\ 485 \\ 10900 \\ 51 \\ 485 \\ 10900 \\ 51 \\ 485 \\ 10900 \\ 52 \\ 111 \\ 10185 \\ 52 \\ 504 \\ 10900 \\ 52 \\ 10900 \\ 52 \\ 11 \\ 10950 \\ 55 \\ 409 \\ 10900 \\ 52 \\ 11 \\ 10185 \\ 53 \\ 559 \\ 10970 \\ 55 \\ 409 \\ 10900 \\ 52 \\ 11 \\ 10185 \\ 54 \\ 490 \\ 10900 \\ 52 \\ 11 \\ 10185 \\ 54 \\ 490 \\ 10185 \\ 54 \\ 490 \\ 10185 \\ 10900 \\ 52 \\ 10185 \\ 10000 \\ 52 \\ 11 \\ 10185 \\ 54 \\ 490 \\ 10900 \\ 52 \\ 11 \\ 10185 \\ 54 \\ 490 \\ 10000 \\ 52 \\ 11 \\ 10185 \\ 54 \\ 490 \\ 10000 \\ 52 \\ 11 \\ 10185 \\ 54 \\ 490 \\ 10000 \\ 52 \\ 11 \\ 10185 \\ 54 \\ 54 \\ 10950 \\ 57 \\ 886 \\ 10956 \\ 57 \\ 886 \\ 10956 \\ 57 \\ 886 \\ 10956 \\ 10926 \\ 60 \\ 948 \\ 1.1111 \\ 61 \\ 63 \\ 64 \\ 64 \\ 64 \\ 64 \\ 64 \\ 64 \\ 64$						The second second		Decide and the			54.250 55.633	
$\begin{array}{c} 12  .9815  50.059  1.0000  52.111  1.0185  54.207  1.0370  56.346  1.0556  58.\\ 13  1.0000  51.485  1.0370  55.049  1.0556  57.88  1.0741  59.370  1.0926  61.\\ 15  1.0370  54.466  1.0556  56.583  1.0741  58.744  1.0926  60.948  1.1111  63.\\ 16  1.0556  56.022  1.0741  58.160  1.0926  60.343  1.1111  62.568  1.1296  64.\\ 17  1.0741  57.620  1.0926  59.781  1.1111  61.985  1.1296  64.231  1.1481  68.\\ 18  1.0926  59.262  1.1111  61.444  1.1296  63.551  1.1481  65.938  1.1667  67.688  1.1296  64.\\ 19  1.1111  60.948  1.1296  63.551  1.1481  65.398  1.1667  67.688  1.1852  70.\\ 20  1.1296  62.676  1.1481  64.901  1.1667  67.170  1.1852  69.481  1.2047  71.\\ 21  1.1481  64.484  1.1667  66.681  1.1852  68.985  1.2047  71.318  1.2222  72.\\ 22  1.1667  66.262  1.1852  68.531  1.2047  70.410  1.2222  72.744  1.2407  75.120  1.2593  77.\\ 22  1.1297  70.922  1.2222  72.333  1.2407  74.688  1.2593  77.086  1.2788  79.\\ 26  1.2407  78.954  1.2263  76.309  1.2778  78.361  1.3148  82.898  1.3338  85.383  85.383  85.383  85.383  85.383  85.383  85.399  1.3148  82.366  1.3333  84.778  1.3348  82.386  1.3348  83.344  1.3348  83.3478  1.3348  82.386  1.3348  89.324  1.3333  84.789  1.3519  87.622  1.3519  87.655  1.3704  99.722  1.3899  91.530  1.3444  98.790  1.3889  91.799  1.4074  94.370  1.4259  96.361  1.4444  98.670  1.4444  98.670  1.4444  98.670  1.4444  98.670  1.4444  98.670  1.4444  98.670  1.4444  98.670  1.4444  98.670  1.4444  98.670  1.4444  98.670  1.4444  98.670  1.4444  98.670  1.4444  98.670  1.4444  98.979  1.3600  106.577  1.5185  109.\\ 38  1.4360  101.76  1.4815  103.790  1.5000  106.481  1.5185  109.490  1.5556  114.355  1.4815  109.490  1.5556  114.355  1.4815  109.490  1.5556  114.4259  96.509  1.4444  99.123  1.5370  111.633  1.5556  114.355  1.5741  117.707  1.5926  119.843  1$			1.000.000	1000000	The Assets			Phillipping	500000	1000000	57.059	
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$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$						100000000000000000000000000000000000000					60.040	
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$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	. (	0370	54.466	1.0556	56.583						63, 194	
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$						1.0926	60.343	1.1111		1.1296	64.836	16
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$										1.1481	66.522	17
20					61.444	1.1296	63.670	1.1481	65.938	1.1667	68.250	
$\begin{array}{c} 21 & 1.148 & 64.448 & 1.1667 & 66.694 \\ 22 & 1.1667 & 66.262 \\ 23 & 1.1852 & 68.202 \\ 23 & 1.1852 & 68.202 \\ 1.2047 & 70.401 & 1.2222 & 72.744 \\ 1.2047 & 70.022 \\ 25 & 1.2222 & 71.966 & 1.2407 & 74.688 \\ 1.26 & 1.2047 & 73.954 \\ 27 & 1.2593 & 75.985 \\ 28 & 1.2778 & 78.361 \\ 29 & 1.2963 & 80.176 \\ 30 & 1.3148 & 82.386 \\ 1.3333 & 84.540 \\ 30 & 1.3148 & 82.386 \\ 1.3333 & 84.540 \\ 32 & 1.3519 & 86.787 \\ 33 & 1.3704 & 89.272 \\ 1.3889 & 91.410 \\ 34 & 1.3899 & 91.410 \\ 35 & 1.4074 & 93.787 \\ 37 & 1.4444 & 98.778 \\ 38 & 1.4350 & 101.262 \\ 37 & 1.4444 & 98.787 \\ 38 & 1.4351 & 103.725 \\ 39 & 1.2600 & 106.318 \\ 40 & 1.5000 & 106.318 \\ 41 & 1.5185 & 108.954 \\ 42 & 1.5700 & 11.633 \\ 43 & 1.5556 & 114.355 \\ 44 & 1.5741 & 117.120 \\ 1.5926 & 119.929 \\ 1.6111 & 122.694 \\ 45 & 1.5926 & 125.676 \\ 1.6481 & 128.488 \\ 1.6481 & 128.614 \\ 40 & 1.6667 & 131.596 \\ 1.6667 & 131.596 \\ 1.6667 & 131.596 \\ 1.6667 & 131.596 \\ 1.6667 & 131.596 \\ 1.6682 & 134.448 \\ 1.7087 & 13707 & 1388 \\ 1.6826 & 123.388 \\ 1.6821 & 13.388 \\ 1.6821 & 13.488 \\ 1.6821 & 13.488 \\ 1.6821 & 13.488 \\ 1.6821 & 13.488 \\ 1.6821 & 13.488 \\ 1.6821 & 13.488 \\ 1.6821 & 13.488 \\ 1.6821 & 13.488 \\ 1.6821 & 13.488 \\ 1.6821 & 13.488 \\ 1.6821 & 13.488 \\ 1.6821 & 13.488 \\ 1.6821 & 13.488 \\ 1.6821 & 13.488 \\ 1.6821 & 13.488 \\ 1.6821 & 13.488 \\ 1.6821 & 13.488 \\ 1.6821 & 13.488 \\ 1.6821 & 13.488 \\ 1.6821 & 13.488 \\ 1.6821 & 13.488 \\ 1.6821 & 13.488 \\ 1.6821 & 13.488 \\ 1.6821 & 13.488 \\ 1.6821 & 13.488 \\ 1.6821 & 13.488 \\ 1.6821 & 13.488 \\ 1.6821 & 13.488 \\ 1.6821 & 13.488 \\ 1.6821 & 13.488 \\ 1.6821 & 13.488 \\ 1.6821 & 13.488 \\ 1.6821 & 13.488 \\ 1.6821 & 13.488 \\ 1.6821 & 13.488 \\ 1.6821 & 13.488 \\ 1.6821 & 13.488 \\ 1.6821 & 13.488 \\ 1.6821 & 13.488 \\ 1.6821 & 13.488 \\ 1.6821 & 13.488 \\ 1.6821 & 13.488 \\ 1.6821 & 13.488 \\ 1.6822 & 134.388 \\ 1.6822 & 134.388 \\ 1.6822 & 134.388 \\ 1.6822 & 134.381 \\ 1.7087 & 137.222 & 140.77 \\ 1.6822 & 134.381 \\ 1.7087 & 137.222 & 140.77 \\ 1.8822 & 134.381 \\ 1.7087 & 137.222 & 140.77 \\ 1.8822 & 134.331 \\ 1.7087 & 137.222 & 140.77 \\ 1.6822 & 134.$						1.1481			67.688	1.1852	70,022	19
$\begin{array}{c} 22 \   1.1667 \\ 36 \   1.852 \\ 36 \   1.2047 \\ 70.022 \\ 24 \   1.2047 \\ 70.022 \\ 25 \   1.2222 \\ 71.966 \\ 1.2407 \\ 72.33 \\ 1.2407 \\ 74.299 \\ 1.2593 \\ 76.676 \\ 1.2778 \\ 78.361 \\ 1.2963 \\ 80.781 \\ 1.3148 \\ 82.323 \\ 1.3333 \\ 84.540 \\ 1.3519 \\ 80.457 \\ 1.3519 \\ 80.457 \\ 1.3519 \\ 80.457 \\ 1.3889 \\ 91.410 \\ 1.4044 \\ 98.778 \\ 31.3519 \\ 80.457 \\ 1.3889 \\ 91.410 \\ 1.4044 \\ 98.787 \\ 32.1.3519 \\ 80.457 \\ 1.3889 \\ 91.410 \\ 1.4444 \\ 98.788 \\ 1.3889 \\ 91.410 \\ 1.4444 \\ 98.788 \\ 1.4851 \\ 103.7827 \\ 103.794 \\ 1.3889 \\ 91.410 \\ 1.4444 \\ 98.788 \\ 1.4630 \\ 101.262 \\ 1.4444 \\ 98.788 \\ 1.4630 \\ 101.262 \\ 1.4815 \\ 103.787 \\ 103.794 \\ 1.4815 \\ 103.787 \\ 1.4844 \\ 1.5570 \\ 11.4831 \\ 1.5556 \\ 14.4355 \\ 1.4844 \\ 1.5570 \\ 11.633 \\ 1.5556 \\ 114.355 \\ 1.5741 \\ 117.120 \\ 1.5926 \\ 119.929 \\ 1.6111 \\ 122.694 \\ 1.6296 \\ 125.568 \\ 1.6481 \\ 128.488 \\ 1.6667 \\ 131.3734 \\ 1.5741 \\ 117.170 \\ 1.5926 \\ 119.929 \\ 1.6111 \\ 122.694 \\ 1.6296 \\ 125.568 \\ 1.6481 \\ 128.398 \\ 1.6667 \\ 131.3734 \\ 1.5742 \\ 117.077 \\ 1.5926 \\ 119.864 \\ 1.6667 \\ 131.351 \\ 1.6296 \\ 125.568 \\ 1.6481 \\ 128.398 \\ 1.6667 \\ 131.3704 \\ 1.5926 \\ 119.864 \\ 1.6667 \\ 131.3704 \\ 1.5926 \\ 119.864 \\ 1.6667 \\ 131.3704 \\ 1.5926 \\ 119.864 \\ 1.6667 \\ 131.3704 \\ 1.5926 \\ 119.864 \\ 1.6667 \\ 131.3704 \\ 1.5926 \\ 119.864 \\ 1.6667 \\ 131.3704 \\ 1.5926 \\ 119.864 \\ 1.6667 \\ 131.488 \\ 1.6687 \\ 131.3704 \\ 1.6821 \\ 1.6821 \\ 1.4815 \\ 103.388 \\ 1.6821 \\ 1.4815 \\ 103.388 \\ 1.6821 \\ 1.4815 \\ 103.388 \\ 1.6821 \\ 1.4815 \\ 103.388 \\ 1.6821 \\ 1.6821 \\ 1.4815 \\ 103.388 \\ 1.6821 \\ 1.6821 \\ 1.4815 \\ 103.388 \\ 1.6821 \\ 1.6821 \\ 1.4815 \\ 1.6821 \\ 1.4815 \\ 1.6821 \\ 1.4815 \\ 1.6821 \\ 1.4815 \\ 1.6821 \\ 1.4815 \\ 1.6821 \\ 1.4815 \\ 1.6821 \\ 1.4815 \\ 1.6821 \\ 1.4815 \\ 1.6821 \\ 1.4815 \\ 1.6821 \\ 1.4815 \\ 1.6821 \\ 1.4815 \\ 1.6821 \\ 1.4815 \\ 1.6821 \\ 1.4815 \\ 1.6821 \\ 1.4815 \\ 1.6821 \\ 1.4815 \\ 1.6821 \\ 1.4815 \\ 1.6821 \\ 1.4815 \\ 1.6821 \\ 1.4815 \\ 1.6821 \\ 1.4815 \\ 1.6821 \\ 1.4815 \\ 1.6821 \\ 1.4815 \\ 1.6821 \\ 1.4815 \\ 1.6821 \\ 1.4815 \\ 1.6821 \\ 1.4815 \\ 1.6821 \\ 1.4815 \\ 1.6821 \\ 1.4815 \\ 1.6821 \\ 1.4815 \\ 1.6821 \\ 1.4815 \\ 1$			62.676	1.1481	64.901	1.1667	67.170	1,1852	69.481	1.2047	71.836	20
$\begin{array}{c} 23 \   1.1852 \   68.120 \   1.2047 \   70.410 \   1.2222 \   72.744 \   1.2407 \   75.120 \   1.2593 \   77.261 \   1.2047 \   70.420 \   1.2407 \   74.688 \   1.2593 \   77.086 \   1.2778 \   79.096 \   1.2778 \   79.096 \   1.2963 \   1.2407 \   74.299 \   1.2593 \   76.676 \   1.2778 \   79.096 \   1.2963 \   1.2593 \   75.985 \   1.2593 \   76.309 \   1.278 \   78.707 \   1.2963 \   80.457 \   1.3148 \   82.898 \   1.3314 \   83.244 \   1.3333 \   85.281 \   1.348 \   82.396 \   1.3333 \   85.383 \   1.3519 \   87.665 \   1.3704 \   90.301 \   1.348 \   82.336 \   1.3333 \   84.540 \   1.3519 \   87.003 \   1.3704 \   89.509 \   1.3899 \   91.393 \   1.3519 \   86.787 \   1.3704 \   89.272 \   1.3889 \   91.407 \   94.133 \   1.4259 \   96.336 \   1.4444 \   99.123 \   1.4630 \   101.565 \   1.4815 \   103.794 \   1.4630 \   101.565 \   1.4815 \   103.794 \   1.4630 \   101.565 \   1.4815 \   103.795 \   1.5370 \   111.633 \   1.5556 \   14.435 \   1.5556 \   14.435 \   1.5556 \   14.435 \   1.5556 \   14.355 \   1.5741 \   17.077 \   1.5926 \   19.843 \   1.5741 \   17.1720 \   1.5926 \   19.843 \   1.6111 \   122.694 \   1.6296 \   125.503 \   1.6111 \   122.694 \   1.682 \   13.338 \   1.7037 \   137.342 \   1.7037 \   137.342 \   1.7037 \   137.342 \   1.7037 \   137.342 \   1.6811 \   122.694 \   1.682 \   13.348 \   1.7037 \   137.343 \   1.7037 \   137.342 \   1.7037 \   137.342 \   1.7037 \   137.342 \   1.7037 \   137.342 \   1.7037 \   137.342 \   1.7037 \   137.343 \   1.7037 \   137.342 \   1.7037 \   137.342 \   1.7037 \   137.343 \   1.7037 \   137.342 \   1.7037 \   137.343 \   1.7037 \   137.342 \   1.7037 \   137.342 \   1.7037 \   137.343 \   1.7037 \   137.342 \   1.7037 \   137.343 \   1.7037 \   137.342 \   1.7037 \   137.344 \   1.7037 \   137.343 \   1.7037 \   137.343 \   1.7037 \   137.342 \   1.7037 \   137.344 \   1.7037 \   137.343 \   1.7037 \   137.343 \   1.7037 \   137.343 \   1.7037 \   137.344 \   1.7037 \   137.344 \   1.7037 \   137.344 \   1.7037 \   137.344 \   $											73.694	
$\begin{array}{c} 24 \   1,2047 \   70,022 \   1,2222 \   72,333 \   1,2407 \   74,688 \   1,2593 \   77,086 \   1,2778 \   79,096 \   1,2963 \   81,\\ 26 \   1,2407 \   73,954 \   1,2593 \   76,309 \   1,2778 \   78,707 \   1,2963 \   81,148 \   1,3148 \   83,277 \   1,2593 \   75,985 \   1,2778 \   78,361 \   1,2963 \   80,781 \   1,3148 \   83,244 \   1,3333 \   85,289 \   1,3333 \   85,383 \   1,3318 \   87,365 \   1,3148 \   82,898 \   1,3333 \   85,383 \   1,3519 \   87,565 \   1,3704 \   90,\\ 30 \   1,3148 \   82,336 \   1,3333 \   84,778 \   1,3519 \   87,262 \   1,3704 \   89,790 \   1,3889 \   92,\\ 31 \   1,3333 \   84,540 \   1,3519 \   87,003 \   1,3704 \   89,509 \   1,3889 \   92,059 \   1,4074 \   94,\\ 32 \   1,3519 \   86,787 \   1,3704 \   89,272 \   1,3889 \   91,799 \   1,4074 \   94,370 \   1,4259 \   96,336 \   1,4444 \   98,929 \   1,4630 \   101,565 \   1,4444 \   98,81 \   1,4630 \   101,176 \   1,4630 \   101,176 \   1,4630 \   101,176 \   1,4630 \   101,176 \   1,4630 \   101,176 \   1,4630 \   101,176 \   1,4630 \   101,176 \   1,4630 \   101,176 \   1,4630 \   101,176 \   1,4630 \   101,176 \   1,4630 \   101,176 \   1,5741 \   17,170 \   1,5000 \   106,448 \   1,5370 \   11,633 \   1,5741 \   17,077 \   1,5926 \   119,420 \   1,5370 \   11,621 \   1,5556 \   14,435 \   1,5441 \   1,545 \   1,5441 \   1,545 \   1,545 \   1,545 \   1,545 \   1,545 \   1,545 \   1,545 \   1,545 \   1,545 \   1,545 \   1,545 \   1,545 \   1,545 \   1,545 \   1,545 \   1,545 \   1,545 \   1,545 \   1,545 \   1,545 \   1,545 \   1,545 \   1,545 \   1,545 \   1,545 \   1,545 \   1,545 \   1,545 \   1,545 \   1,545 \   1,545 \   1,545 \   1,545 \   1,545 \   1,545 \   1,545 \   1,545 \   1,545 \   1,545 \   1,545 \   1,545 \   1,545 \   1,545 \   1,545 \   1,545 \   1,545 \   1,545 \   1,545 \   1,545 \   1,545 \   1,545 \   1,545 \   1,545 \   1,545 \   1,545 \   1,545 \   1,545 \   1,545 \   1,545 \   1,545 \   1,545 \   1,545 \   1,545 \   1,545 \   1,545 \   1,545 \   1,545 \   1,545 \   1,545 \   1,545 \   1,545 \$											75.596	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$											77.540	
$\begin{array}{c} 26 & [ \ 1.2407 \ \ 73.954 \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \$						100 miles (100 miles)		200 2 200			79.528	
$\begin{array}{c} 271,2593 \\ 281,2778 \\ 78,059 \\ 1,2963 \\ 301,3148 \\ 82,386 \\ 1,3333 \\ 84,781 \\ 1,348 \\ 82,386 \\ 1,3333 \\ 84,781 \\ 1,3519 \\ 87,262 \\ 1,3704 \\ 89,272 \\ 1,3899 \\ 1,4074 \\ 94,370 \\ 1,3899 \\ 1,4074 \\ 94,370 \\ 1,4444 \\ 99,123 \\ 1,4444 \\ 99,123 \\ 1,4444 \\ 99,123 \\ 1,4444 \\ 99,123 \\ 1,4444 \\ 98,670 \\ 371,4444 \\ 98,670 \\ 1,4444 \\ 98,670 \\ 1,4444 \\ 98,670 \\ 1,4444 \\ 98,670 \\ 1,4444 \\ 98,670 \\ 1,4444 \\ 98,670 \\ 1,4444 \\ 98,670 \\ 1,4444 \\ 98,670 \\ 1,4444 \\ 98,670 \\ 1,4444 \\ 98,670 \\ 1,4444 \\ 98,670 \\ 1,4444 \\ 98,670 \\ 1,4444 \\ 98,670 \\ 1,4444 \\ 98,670 \\ 1,4444 \\ 98,670 \\ 1,4815 \\ 103,725 \\ 1,5000 \\ 106,361 \\ 1,4815 \\ 103,725 \\ 1,5000 \\ 106,318 \\ 1,5185 \\ 108,954 \\ 1,5370 \\ 111,633 \\ 1,5556 \\ 114,355 \\ 1,5741 \\ 117,120 \\ 1,5926 \\ 119,929 \\ 1,6111 \\ 122,694 \\ 1,6296 \\ 125,568 \\ 1,6481 \\ 128,485 \\ 1,6667 \\ 131,364 \\ 1,7037 \\ 137,373 \\ 1,7037 \\ 137,374 \\ 1,7037 \\ 137,374 \\ 1,7037 \\ 137,374 \\ 1,7037 \\ 137,374 \\ 1,7037 \\ 137,374 \\ 1,7037 \\ 137,374 \\ 1,7037 \\ 137,374 \\ 1,7037 \\ 137,374 \\ 1,7037 \\ 137,374 \\ 1,7037 \\ 137,374 \\ 1,7037 \\ 137,374 \\ 1,7037 \\ 137,374 \\ 1,7037 \\ 137,374 \\ 1,7037 \\ 137,374 \\ 1,7037 \\ 137,374 \\ 1,7037 \\ 137,374 \\ 1,7037 \\ 137,374 \\ 1,7037 \\ 137,374 \\ 1,7037 \\ 137,374 \\ 1,7037 \\ 137,374 \\ 1,7037 \\ 137,374 \\ 1,7037 \\ 137,374 \\ 1,7037 \\ 137,374 \\ 1,7037 \\ 137,374 \\ 1,7037 \\ 137,374 \\ 1,7037 \\ 137,374 \\ 1,7037 \\ 137,374 \\ 1,7037 \\ 137,374 \\ 1,7037 \\ 137,374 \\ 1,7037 \\ 137,374 \\ 1,7037 \\ 137,374 \\ 1,7037 \\ 137,374 \\ 1,7037 \\ 137,374 \\ 1,7037 \\ 137,374 \\ 1,7037 \\ 137,374 \\ 1,7037 \\ 137,374 \\ 1,7037 \\ 137,374 \\ 1,7037 \\ 137,374 \\ 1,7037 \\ 137,374 \\ 1,7037 \\ 137,374 \\ 1,7037 \\ 137,374 \\ 1,7037 \\ 137,374 \\ 1,7037 \\ 137,374 \\ 1,7037 \\ 137,374 \\ 1,7037 \\ 137,374 \\ 1,7037 \\ 137,374 \\ 1,7037 \\ 137,374 \\ 1,7037 \\ 137,374 \\ 1,7037 \\ 137,374 \\ 1,7037 \\ 137,374 \\ 1,7037 \\ 137,374 \\ 1,7037 \\ 137,374 \\ 1,7037 \\ 137,374 \\ 1,7037 \\ 137,374 \\ 1,7037 \\ 137,374 \\ 1,7037 \\ 137,374 \\ 1,7037 \\ 137,374 \\ 1,7037 \\ 137,374 \\ 1,7037 \\ 137,374 \\ 1,7037 \\ 137,374 \\ 1,7037 \\ 137,374 \\ 1,7037 \\ 137,374 \\ 1,7037 \\ 137,374 \\ 1,7037 \\ 13$				The second	100000		D 25 25 10	Marketta ta A	3,000,00	1.2963	81.559	25
$\begin{array}{cccccccccccccccccccccccccccccccccccc$											83.633	
$\begin{array}{c} 29\ 1. 2963 \\ 30\ 1. 3148 \\ 82. 336 \\ 1. 3333 \\ 84. 778 \\ 1. 3519 \\ 87. 262 \\ 1. 3704 \\ 89. 790 \\ 1. 3889 \\ 92. 059 \\ 1. 4074 \\ 94. 370 \\ 32\ 1. 3519 \\ 86. 787 \\ 1. 3704 \\ 89. 777 \\ 1. 3889 \\ 91. 583 \\ 1. 4704 \\ 93. 787 \\ 1. 4259 \\ 96. 336 \\ 1. 4259 \\ 96. 336 \\ 1. 4259 \\ 96. 326 \\ 1. 4444 \\ 98. 929 \\ 1. 4630 \\ 101. 262 \\ 101. 3891 \\ 1. 4259 \\ 96. 326 \\ 1. 4444 \\ 98. 929 \\ 1. 4630 \\ 101. 362 \\ 1. 4444 \\ 98. 929 \\ 1. 4630 \\ 101. 362 \\ 1. 4815 \\ 103. 725 \\ 103. 790 \\ 104. 4315 \\ 103. 790 \\ 104. 4315 \\ 104. 491 \\ 104. 491 \\ 104. 491 \\ 104. 491 \\ 104. 491 \\ 104. 491 \\ 104. 491 \\ 104. 491 \\ 104. 491 \\ 104. 491 \\ 104. 491 \\ 104. 491 \\ 104. 491 \\ 104. 491 \\ 104. 491 \\ 104. 491 \\ 104. 491 \\ 104. 491 \\ 104. 491 \\ 104. 491 \\ 104. 491 \\ 104. 491 \\ 104. 491 \\ 104. 491 \\ 104. 491 \\ 104. 491 \\ 104. 491 \\ 104. 491 \\ 104. 491 \\ 104. 491 \\ 104. 491 \\ 104. 491 \\ 104. 491 \\ 104. 491 \\ 104. 491 \\ 104. 491 \\ 104. 491 \\ 104. 491 \\ 104. 491 \\ 104. 491 \\ 104. 491 \\ 104. 491 \\ 104. 491 \\ 104. 491 \\ 104. 491 \\ 104. 491 \\ 104. 491 \\ 104. 491 \\ 104. 491 \\ 104. 491 \\ 104. 491 \\ 104. 491 \\ 104. 491 \\ 104. 491 \\ 104. 491 \\ 104. 491 \\ 104. 491 \\ 104. 491 \\ 104. 491 \\ 104. 491 \\ 104. 491 \\ 104. 491 \\ 104. 491 \\ 104. 491 \\ 104. 491 \\ 104. 491 \\ 104. 491 \\ 104. 491 \\ 104. 491 \\ 104. 491 \\ 104. 491 \\ 104. 491 \\ 104. 491 \\ 104. 491 \\ 104. 491 \\ 104. 491 \\ 104. 491 \\ 104. 491 \\ 104. 491 \\ 104. 491 \\ 104. 491 \\ 104. 491 \\ 104. 491 \\ 104. 491 \\ 104. 491 \\ 104. 491 \\ 104. 491 \\ 104. 491 \\ 104. 491 \\ 104. 491 \\ 104. 491 \\ 104. 491 \\ 104. 491 \\ 104. 491 \\ 104. 491 \\ 104. 491 \\ 104. 491 \\ 104. 491 \\ 104. 491 \\ 104. 491 \\ 104. 491 \\ 104. 491 \\ 104. 491 \\ 104. 491 \\ 104. 491 \\ 104. 491 \\ 104. 491 \\ 104. 491 \\ 104. 491 \\ 104. 491 \\ 104. 491 \\ 104. 491 \\ 104. 491 \\ 104. 491 \\ 104. 491 \\ 104. 491 \\ 104. 491 \\ 104. 491 \\ 104. 491 \\ 104. 491 \\ 104. 491 \\ 104. 491 \\ 104. 491 \\ 104. 491 \\$					100						85.750	
$\begin{array}{cccccccccccccccccccccccccccccccccccc$										1. O. S.	87.910	
$\begin{array}{c} 31 \\ 1,3333 \\ 32 \\ 1,3519 \\ 36,787 \\ 33 \\ 1,3704 \\ 89,077 \\ 1,3889 \\ 91,179 \\ 1,4074 \\ 94,370 \\ 1,4259 \\ 96,336 \\ 1,4074 \\ 93,787 \\ 1,4259 \\ 96,336 \\ 1,4474 \\ 98,670 \\ 37 \\ 1,4444 \\ 98,670 \\ 1,4439 \\ 1,4630 \\ 101,262 \\ 1,4815 \\ 103,795 \\ 1,5906 \\ 106,388 \\ 1,4074 \\ 93,787 \\ 1,4259 \\ 96,336 \\ 1,4444 \\ 98,929 \\ 1,4630 \\ 101,392 \\ 1,4815 \\ 104,049 \\ 1,5370 \\ 111,633 \\ 1,5185 \\ 108,954 \\ 1,5370 \\ 111,633 \\ 1,5556 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,$						a minima		the second second			90.114	
$\begin{array}{c} 32 \\ 1.3519 \\ 33 \\ 1.3704 \\ 89.077 \\ 1.3889 \\ 91.583 \\ 1.4074 \\ 93.988 \\ 1.4259 \\ 96.398 \\ 1.4259 \\ 96.599 \\ 1.4444 \\ 99.123 \\ 1.4630 \\ 101.565 \\ 1.4444 \\ 99.273 \\ 1.4630 \\ 101.565 \\ 1.4444 \\ 98.670 \\ 1.4630 \\ 101.262 \\ 1.4815 \\ 103.790 \\ 1.5000 \\ 106.361 \\ 1.5185 \\ 103.725 \\ 1.5556 \\ 114.355 \\ 1.5741 \\ 117.077 \\ 1.5926 \\ 119.929 \\ 1.6111 \\ 122.694 \\ 1.6296 \\ 125.568 \\ 1.6481 \\ 128.485 \\ 1.6667 \\ 131.376 \\ 1.6852 \\ 134.318 \\ 1.7037 \\ 137.328 \\ 1.6857 \\ 137.328 \\ 1.6857 \\ 1.6852 \\ 134.231 \\ 1.7037 \\ 137.338 \\ 1.6667 \\ 131.272 \\ 137.222 \\ 140.2811 \\ 1.7037 \\ 137.338 \\ 1.6667 \\ 131.272 \\ 137.222 \\ 140.2811 \\ 1.7037 \\ 137.338 \\ 1.6667 \\ 131.336 \\ 1.6852 \\ 134.231 \\ 1.7037 \\ 137.338 \\ 1.7037 \\ 137.338 \\ 1.7037 \\ 137.328 \\ 1.7037 \\ 137.328 \\ 1.7037 \\ 137.338 \\ 1.7037 \\ 137.222 \\ 140.2811 \\ 1.7037 \\ 137.338 \\ 1.7037 \\ 137.222 \\ 140.2811 \\ 1.7037 \\ 137.338 \\ 1.7037 \\ 137.338 \\ 1.7037 \\ 137.338 \\ 1.7037 \\ 137.322 \\ 140.2811 \\ 1.7037 \\ 137.338 \\ 1.7037 \\ 137.322 \\ 140.2811 \\ 1.7037 \\ 137.338 \\ 1.7037 \\ 137.338 \\ 1.7037 \\ 137.338 \\ 1.7037 \\ 137.348 \\ 1.7037 \\ 137.348 \\ 1.7037 \\ 137.348 \\ 1.7037 \\ 137.348 \\ 1.7037 \\ 137.348 \\ 1.7037 \\ 137.348 \\ 1.7037 \\ 137.348 \\ 1.7037 \\ 137.348 \\ 1.7037 \\ 137.348 \\ 1.7037 \\ 137.348 \\ 1.7037 \\ 137.348 \\ 1.7037 \\ 137.348 \\ 1.7037 \\ 137.348 \\ 1.7037 \\ 137.348 \\ 1.7037 \\ 137.348 \\ 1.7037 \\ 137.348 \\ 1.7037 \\ 137.348 \\ 1.7037 \\ 137.348 \\ 1.7037 \\ 137.348 \\ 1.7037 \\ 137.348 \\ 1.7037 \\ 137.348 \\ 1.7037 \\ 137.348 \\ 1.7037 \\ 137.348 \\ 1.7037 \\ 137.348 \\ 1.7037 \\ 137.348 \\ 1.7037 \\ 137.348 \\ 1.7037 \\ 137.348 \\ 1.7037 \\ 137.348 \\ 1.7037 \\ 137.348 \\ 1.7037 \\ 137.348 \\ 1.7037 \\ 137.348 \\ 1.7037 \\ 137.348 \\ 1.7037 \\ 137.348 \\ 1.7037 \\ 137.348 \\ 1.7037 \\ 137.348 \\ 1.7037 \\ 137.348 \\ 1.7037 \\ 137.348 \\ 1.7037 \\ 137.348 \\ 1.7037 \\ 137.348 \\ 1.7037 \\ 137.348 \\ 1.7037 \\ 137.348 \\ 1.7037 \\ 137.348 \\ 1.7037 \\ 137.348 \\ 1.7037 \\ 137.348 \\ 1.7037 \\ 137.348 \\ 1.7037 \\ 137.348 \\ 1.7037 \\ 137.348 \\ 1.7037 \\ 137.348 \\ 1.7037 \\ 137.348 \\ 1.7037 \\ 137.348 \\ 1.7037 \\ 137.348 \\ 1.7037 \\ 137.348 \\ 1.7037 \\ 137.3$			10.00		100000000000000000000000000000000000000	02000		10.75		A 7 1 1 1	92.361	395
$\begin{array}{c} 33 \\ 1,3704 \\ 34 \\ 1,3889 \\ 91.410 \\ 1,4074 \\ 93.938 \\ 1,4259 \\ 36,336 \\ 1,4259 \\ 36,536 \\ 1,4444 \\ 98.670 \\ 38 \\ 1,4630 \\ 101.262 \\ 1,4444 \\ 98.670 \\ 38 \\ 1,4630 \\ 101.262 \\ 1,4815 \\ 103.795 \\ 1,5000 \\ 106.361 \\ 1,5185 \\ 108.975 \\ 1,5000 \\ 106.361 \\ 1,5185 \\ 108.975 \\ 1,5000 \\ 106.361 \\ 1,5185 \\ 108.975 \\ 1,5370 \\ 111.676 \\ 1,5370 \\ 111.676 \\ 1,5370 \\ 111.676 \\ 1,5370 \\ 111.676 \\ 1,5370 \\ 111.633 \\ 1,5556 \\ 114.355 \\ 1,5741 \\ 117.077 \\ 1,5926 \\ 119.929 \\ 1,6111 \\ 122.694 \\ 1,6296 \\ 125.568 \\ 1,6481 \\ 128.485 \\ 1,6667 \\ 131.336 \\ 1,6687 \\ 131.372 \\ 1,6852 \\ 134.318 \\ 1,7037 \\ 137.338 \\ 1,6667 \\ 131.372 \\ 1,6852 \\ 134.231 \\ 1,7037 \\ 137.338 \\ 1,7037 \\ 137.338 \\ 1,7037 \\ 137.322 \\ 144.299 \\ 1,4444 \\ 1,99.665 \\ 104.444 \\ 1,99.123 \\ 1,4444 \\ 1,99.123 \\ 1,4444 \\ 1,99.123 \\ 1,4444 \\ 1,4444 \\ 1,4444 \\ 1,8415 \\ 1,4444 \\ 1,8415 \\ 1,4444 \\ 1,8415 \\ 1,4444 \\ 1,8415 \\ 1,4444 \\ 1,8415 \\ 1,8415 \\ 1,8415 \\ 1,8415 \\ 1,8415 \\ 1,8415 \\ 1,8415 \\ 1,8415 \\ 1,8415 \\ 1,8415 \\ 1,8415 \\ 1,8415 \\ 1,8415 \\ 1,8415 \\ 1,8415 \\ 1,8415 \\ 1,8415 \\ 1,8415 \\ 1,8415 \\ 1,8415 \\ 1,8415 \\ 1,8415 \\ 1,8415 \\ 1,8415 \\ 1,8415 \\ 1,8415 \\ 1,8415 \\ 1,8415 \\ 1,8415 \\ 1,8415 \\ 1,8415 \\ 1,8415 \\ 1,8415 \\ 1,8415 \\ 1,8415 \\ 1,8415 \\ 1,8415 \\ 1,8415 \\ 1,8415 \\ 1,8415 \\ 1,8415 \\ 1,8415 \\ 1,8415 \\ 1,8415 \\ 1,8415 \\ 1,8415 \\ 1,8415 \\ 1,8415 \\ 1,8415 \\ 1,8415 \\ 1,8415 \\ 1,8415 \\ 1,8415 \\ 1,8415 \\ 1,8415 \\ 1,8415 \\ 1,8415 \\ 1,8415 \\ 1,8415 \\ 1,8415 \\ 1,8415 \\ 1,8415 \\ 1,8415 \\ 1,8415 \\ 1,8415 \\ 1,8415 \\ 1,8415 \\ 1,8415 \\ 1,8415 \\ 1,8415 \\ 1,8415 \\ 1,8415 \\ 1,8415 \\ 1,8415 \\ 1,8415 \\ 1,8415 \\ 1,8415 \\ 1,8415 \\ 1,8415 \\ 1,8415 \\ 1,8415 \\ 1,8415 \\ 1,8415 \\ 1,8415 \\ 1,8415 \\ 1,8415 \\ 1,8415 \\ 1,8415 \\ 1,8415 \\ 1,8415 \\ 1,8415 \\ 1,8415 \\ 1,8415 \\ 1,8415 \\ 1,8415 \\ 1,8415 \\ 1,8415 \\ 1,8415 \\ 1,8415 \\ 1,8415 \\ 1,8415 \\ 1,8415 \\ 1,8415 \\ 1,8415 \\ 1,8415 \\ 1,8415 \\ 1,8415 \\ 1,8415 \\ 1,8415 \\ 1,8415 \\ 1,8415 \\ 1,8415 \\ 1,8415 \\ 1,8415 \\ 1,8415 \\ 1,8415 \\ 1,8415 \\ 1,8415 \\ 1,8415 \\ 1,8415 \\ 1,8415 \\ 1,8415 \\ 1,8415 \\ 1,8415 \\ 1,8415 \\ 1,8415 \\ 1,8415 \\ 1,8415 \\ 1,8415 \\ $							I I SECTION OF THE SE					31
$\begin{array}{c} 34 \   . \ 3889 \   \ 91.410 \   \ 1.4074 \   \ 93.938 \   \ 1.4259 \   \ 96.336 \   \ 1.4444 \   \ 98.929 \   \ 1.4630 \   \ 101.565 \   \ 1.4815 \   \ 104. \\ 36 \   \ 1.4259 \   \ 96.207 \   \ 1.4444 \   \ 98.778 \   \ 1.4630 \   \ 101.392 \   \ 1.4630 \   \ 101.565 \   \ 1.4815 \   \ 104. \\ 38 \   \ 1.4630 \   \ 101.766 \   \ 1.4815 \   \ 103.790 \   \ 1.5370 \   \ 11.766 \   \ 1.5185 \   \ 108.975 \   \ 1.5000 \   \ 106.361 \   \ 1.5185 \   \ 109.040 \   \ 1.5370 \   \ 11.762 \   \ 1.5556 \   \ 114.420 \   \ 1.5741 \   \ 117.120 \   \ 1.5556 \   \ 114.355 \   \ 1.5741 \   \ 117.120 \   \ 1.5556 \   \ 114.355 \   \ 1.5741 \   \ 117.120 \   \ 1.5926 \   \ 119.843 \   \ 1.6261 \   \ 1.6296 \   \ 125.556 \   \ 1.6296 \   \ 125.553 \   \ 1.6286 \   \ 1.6286 \   \ 1.6286 \   \ 1.6286 \   \ 1.6286 \   \ 1.6286 \   \ 1.6286 \   \ 1.6286 \   \ 1.6286 \   \ 1.6286 \   \ 1.6286 \   \ 1.6286 \   \ 1.6286 \   \ 1.6286 \   \ 1.6286 \   \ 1.6286 \   \ 1.6286 \   \ 1.6286 \   \ 1.6286 \   \ 1.6286 \   \ 1.6286 \   \ 1.6286 \   \ 1.6286 \   \ 1.6286 \   \ 1.6286 \   \ 1.6286 \   \ 1.6286 \   \ 1.6286 \   \ 1.6286 \   \ 1.6286 \   \ 1.6286 \   \ 1.6286 \   \ 1.6286 \   \ 1.6286 \   \ 1.6286 \   \ 1.6286 \   \ 1.6286 \   \ 1.6286 \   \ 1.6286 \   \ 1.6286 \   \ 1.6286 \   \ 1.6286 \   \ 1.6286 \   \ 1.6286 \   \ 1.6286 \   \ 1.6286 \   \ 1.6286 \   \ 1.6286 \   \ 1.6286 \   \ 1.6286 \   \ 1.6286 \   \ 1.6286 \   \ 1.6286 \   \ 1.6286 \   \ 1.6286 \   \ 1.6286 \   \ 1.6286 \   \ 1.6286 \   \ 1.6286 \   \ 1.6286 \   \ 1.6286 \   \ 1.6286 \   \ 1.6286 \   \ 1.6286 \   \ 1.6286 \   \ 1.6286 \   \ 1.6286 \   \ 1.6286 \   \ 1.6286 \   \ 1.6286 \   \ 1.6286 \   \ 1.6286 \   \ 1.6286 \   \ 1.6286 \   \ 1.6286 \   \ 1.6286 \   \ 1.6286 \   \ 1.6286 \   \ 1.6286 \   \ 1.6286 \   \ 1.6286 \   \ 1.6286 \   \ 1.6286 \   \ 1.6286 \   \ 1.6286 \   \ 1.6286 \   \ 1.6286 \   \ 1.6286 \   \ 1.6286 \   \ 1.6286 \   \ 1.6286 \   \ 1.6286 \   \ 1.6286 \   \ \ 1.6286 \   \ \ 1.6286 \   \ \ 1.6286 \   \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ $											96.985	
$\begin{array}{c} 35 \\ 1.4074 \\ 36 \\ 1.4259 \\ 36.207 \\ 37 \\ 1.4444 \\ 38.670 \\ 1.4630 \\ 101.262 \\ 1.4815 \\ 103.725 \\ 1.4630 \\ 101.262 \\ 1.4815 \\ 103.725 \\ 1.5000 \\ 106.361 \\ 1.5185 \\ 108.975 \\ 1.5000 \\ 106.361 \\ 1.5185 \\ 109.040 \\ 1.5370 \\ 111.633 \\ 1.5556 \\ 114.420 \\ 1.5370 \\ 111.633 \\ 1.5556 \\ 114.355 \\ 111.633 \\ 1.5556 \\ 114.355 \\ 111.633 \\ 1.5741 \\ 117.077 \\ 1.5926 \\ 119.843 \\ 1.5185 \\ 108.975 \\ 1.5370 \\ 111.633 \\ 1.5741 \\ 117.077 \\ 1.5926 \\ 119.843 \\ 1.5741 \\ 117.207 \\ 1.5926 \\ 119.843 \\ 1.6296 \\ 125.568 \\ 1.6481 \\ 128.485 \\ 1.6296 \\ 125.568 \\ 1.6481 \\ 128.398 \\ 1.6667 \\ 131.336 \\ 1.6852 \\ 134.231 \\ 1.7037 \\ 137.322 \\ 1491.6667 \\ 131.596 \\ 1.6852 \\ 134.231 \\ 1.7037 \\ 137.222 \\ 140.208 \\ 1.6852 \\ 134.231 \\ 1.7037 \\ 137.222 \\ 140.208 \\ 1.6852 \\ 134.231 \\ 1.7037 \\ 137.222 \\ 140.208 \\ 1.6852 \\ 134.231 \\ 1.7037 \\ 137.222 \\ 140.208 \\ 1.6852 \\ 134.231 \\ 1.7037 \\ 137.222 \\ 140.208 \\ 1.6852 \\ 134.231 \\ 1.7037 \\ 137.222 \\ 140.208 \\ 1.6852 \\ 134.231 \\ 1.7037 \\ 137.222 \\ 140.208 \\ 1.6852 \\ 134.231 \\ 1.7037 \\ 137.232 \\ 1.6920 \\ 128.17 \\ 1.7047 \\ 138.235 \\ 1.7047 \\ 143.17 \\ 1.7047 \\ 138.235 \\ 1.7047 \\ 1.408 \\ 1.7047 \\ 138.235 \\ 1.7047 \\ 1.408 \\ 1.7047 \\ 1.408 \\ 1.7047 \\ 1.408 \\ 1.7047 \\ 1.408 \\ 1.7047 \\ 1.408 \\ 1.6667 \\ 131.272 \\ 1.6852 \\ 134.231 \\ 1.7047 \\ 1.7047 \\ 138.235 \\ 1.7047 \\ 1.408 \\ 1.7047 \\ 138.235 \\ 1.7047 \\ 1.408 \\ 1.7047 \\ 138.235 \\ 1.7047 \\ 138.235 \\ 1.7047 \\ 138.235 \\ 1.7047 \\ 138.235 \\ 1.7047 \\ 138.235 \\ 1.7047 \\ 138.235 \\ 1.7047 \\ 138.235 \\ 1.7047 \\ 138.235 \\ 1.7047 \\ 138.235 \\ 1.7047 \\ 138.235 \\ 1.7047 \\ 138.235 \\ 1.7047 \\ 138.235 \\ 1.7047 \\ 138.235 \\ 1.7047 \\ 138.235 \\ 1.7047 \\ 138.235 \\ 1.7047 \\ 138.235 \\ 1.7047 \\ 138.235 \\ 1.7047 \\ 138.235 \\ 1.7047 \\ 138.235 \\ 1.7047 \\ 138.235 \\ 1.7047 \\ 138.235 \\ 1.7047 \\ 138.235 \\ 1.7047 \\ 138.235 \\ 1.7047 \\ 138.235 \\ 1.7047 \\ 138.235 \\ 1.7047 \\ 138.235 \\ 1.7047 \\ 138.235 \\ 1.7047 \\ 138.235 \\ 1.7047 \\ 138.235 \\ 1.7047 \\ 138.235 \\ 1.7047 \\ 138.235 \\ 1.7047 \\ 138.235 \\ 1.7047 \\ 138.235 \\ 1.7047 \\ 138.235 \\ 1.7047 \\ 1.7047 \\ 138.235 \\ 1.7047 \\ 1.7047 \\ 138.235 \\ 1.7047 \\ 1.7047$											99.361	
$\begin{array}{c} 36 \\ 1,4259 \\ 37 \\ 1,4444 \\ 98,670 \\ 38 \\ 1,4630 \\ 101,262 \\ 1,4815 \\ 103,790 \\ 1,5000 \\ 106,361 \\ 1,5185 \\ 109,100 \\ 106,361 \\ 1,5185 \\ 109,100 \\ 1,5000 \\ 106,361 \\ 1,5185 \\ 109,100 \\ 1,5000 \\ 106,361 \\ 1,5185 \\ 109,040 \\ 1,5370 \\ 111,623 \\ 1,5185 \\ 109,040 \\ 1,5370 \\ 111,623 \\ 1,5556 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ 114,355 \\ $												
$\begin{array}{c} 37 \\ 1.4444 \\ 38.670 \\ 38 \\ 1.4630 \\ 101.76 \\ 1.4815 \\ 103.790 \\ 1.5000 \\ 106.361 \\ 1.5185 \\ 109.040 \\ 1.5370 \\ 111.676 \\ 1.5556 \\ 114.420 \\ 1.5741 \\ 117.120 \\ 1.5926 \\ 119.820 \\ 1.5926 \\ 119.929 \\ 1.6111 \\ 122.694 \\ 1.6296 \\ 125.568 \\ 1.6481 \\ 128.485 \\ 1.6667 \\ 131.336 \\ 1.6852 \\ 134.318 \\ 1.7037 \\ 137.322 \\ 140 \\ 1.6852 \\ 134.323 \\ 1.5741 \\ 117.077 \\ 1.5926 \\ 119.843 \\ 1.6111 \\ 122.651 \\ 1.6296 \\ 125.563 \\ 1.6481 \\ 128.398 \\ 1.6667 \\ 131.272 \\ 1.6852 \\ 134.231 \\ 1.7037 \\ 137.323 \\ 1.7037 \\ 137.232 \\ 1.7037 \\ 137.232 \\ 1.7037 \\ 137.232 \\ 1.7037 \\ 137.232 \\ 1.6852 \\ 134.231 \\ 1.7037 \\ 137.232 \\ 1.722 \\ 140.232 \\ 1.6852 \\ 134.231 \\ 1.7037 \\ 137.232 \\ 1.722 \\ 140.232 \\ 1.6852 \\ 134.231 \\ 1.7037 \\ 137.232 \\ 1.722 \\ 140.232 \\ 1.6852 \\ 134.231 \\ 1.7037 \\ 137.232 \\ 1.722 \\ 140.232 \\ 1.6852 \\ 134.231 \\ 1.7037 \\ 137.232 \\ 1.722 \\ 140.232 \\ 1.722 \\ 140.232 \\ 1.722 \\ 140.232 \\ 1.722 \\ 140.232 \\ 1.6852 \\ 134.231 \\ 1.722 \\ 1.722 \\ 140.232 \\ 1.722 \\ 140.232 \\ 1.722 \\ 140.232 \\ 1.722 \\ 140.232 \\ 1.722 \\ 140.232 \\ 1.722 \\ 140.232 \\ 1.722 \\ 140.232 \\ 1.722 \\ 140.232 \\ 1.722 \\ 140.232 \\ 1.722 \\ 140.232 \\ 1.722 \\ 140.232 \\ 1.722 \\ 140.232 \\ 1.722 \\ 140.232 \\ 1.722 \\ 140.232 \\ 1.722 \\ 140.232 \\ 1.722 \\ 140.232 \\ 1.722 \\ 140.232 \\ 1.722 \\ 140.232 \\ 1.722 \\ 140.232 \\ 1.722 \\ 140.232 \\ 1.722 \\ 140.232 \\ 1.722 \\ 140.232 \\ 1.722 \\ 140.232 \\ 1.722 \\ 140.232 \\ 1.722 \\ 140.232 \\ 1.722 \\ 140.232 \\ 1.722 \\ 140.232 \\ 1.722 \\ 140.232 \\ 1.722 \\ 140.232 \\ 1.722 \\ 140.232 \\ 1.722 \\ 140.232 \\ 1.722 \\ 140.232 \\ 1.722 \\ 140.232 \\ 1.722 \\ 140.232 \\ 1.722 \\ 140.232 \\ 1.722 \\ 140.232 \\ 1.722 \\ 140.232 \\ 1.722 \\ 140.232 \\ 1.722 \\ 140.232 \\ 1.722 \\ 140.232 \\ 1.722 \\ 140.232 \\ 1.722 \\ 140.232 \\ 1.722 \\ 140.232 \\ 1.722 \\ 140.232 \\ 1.722 \\ 140.232 \\ 1.722 \\ 140.232 \\ 1.722 \\ 140.232 \\ 1.722 \\ 140.232 \\ 1.722 \\ 140.232 \\ 1.722 \\ 140.232 \\ 1.722 \\ 140.232 \\ 1.722 \\ 140.232 \\ 1.722 \\ 140.232 \\ 1.722 \\ 140.232 \\ 1.722 \\ 140.232 \\ 1.722 \\ 140.232 \\ 1.722 \\ 140.232 \\ 1.722 \\ 140.232 \\ 1.722 \\ 140.232 \\ 1.722 \\ 140.232 \\ 1.722 \\ 140.232 \\ 1.722 \\ 140.232$			C 100 100 100 100 100 100 100 100 100 10	2000	Date Service	100000000000000000000000000000000000000	Service proof to	The second second	F 7 YOY (1986)			100
$\begin{array}{c} 38 \\ 1.4630 \\ 101.176 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.275 \\ 201.2$												
$\begin{array}{c} 39 & 1.4815 & 103.725 & 1.5000 & 106.361 & 1.5185 & 109.040 & 1.5370 & 111.762 & 1.5556 & 114.\\ 40 & 1.5000 & 106.318 & 1.5185 & 108.975 & 1.5370 & 111.676 & 1.5556 & 114.420 & 1.5741 & 117.\\ 41 & 1.5185 & 108.954 & 1.5370 & 111.633 & 1.5556 & 114.355 & 1.5741 & 117.077 & 1.5926 & 119.864 & 1.6111 & 122.631 & 1.5741 & 117.077 & 1.5926 & 119.864 & 1.6111 & 122.651 & 1.6296 & 125.561 & 114.8355 & 1.5741 & 117.077 & 1.5926 & 119.864 & 1.6111 & 122.651 & 1.6296 & 125.503 & 1.6481 & 128.355 & 1.6481 & 128.355 & 1.6481 & 128.355 & 1.6481 & 128.355 & 1.6667 & 131.272 & 1.6852 & 134.481 & 1.6296 & 125.568 & 1.6481 & 128.381 & 1.6667 & 131.272 & 1.6852 & 134.481 & 1.6867 & 131.284 & 1.6867 & 131.336 & 1.6852 & 134.231 & 1.7037 & 137.235 & 1.7222 & 140.491 & 6667 & 131.272 & 1.6852 & 134.481 & 1.6867 & 131.273 & 1.6852 & 134.231 & 1.7037 & 137.235 & 1.7222 & 140.491 & 6667 & 131.396 & 1.6852 & 134.448 & 1.7037 & 137.235 & 1.7222 & 140.491 & 6667 & 131.373 & 1.7222 & 140.281 & 1.7407 & 143.484 & 1.7222 & 140.281 & 1.7407 & 143.484 & 1.7222 & 140.281 & 1.7407 & 143.484 & 1.7222 & 140.281 & 1.7407 & 143.484 & 1.7222 & 140.281 & 1.7407 & 143.484 & 1.7222 & 140.281 & 1.7407 & 143.484 & 1.7222 & 140.281 & 1.7407 & 143.484 & 1.7222 & 140.281 & 1.7407 & 143.484 & 1.7407 & 143.484 & 1.7407 & 143.484 & 1.7407 & 143.484 & 1.7407 & 143.484 & 1.7407 & 143.484 & 1.7407 & 143.484 & 1.7407 & 143.484 & 1.7407 & 143.484 & 1.7407 & 143.484 & 1.7407 & 143.484 & 1.7407 & 143.484 & 1.7407 & 143.484 & 1.7407 & 143.484 & 1.7407 & 143.484 & 1.7407 & 143.484 & 1.7407 & 143.484 & 1.7407 & 143.484 & 1.7407 & 143.484 & 1.7407 & 143.484 & 1.7407 & 143.484 & 1.7407 & 143.484 & 1.7407 & 143.484 & 1.7407 & 143.484 & 1.7407 & 143.484 & 1.7407 & 143.484 & 1.7407 & 143.484 & 1.7407 & 143.484 & 1.7407 & 143.484 & 1.7407 & 143.484 & 1.7407 & 143.484 & 1.7407 & 143.484 & 1.7407 & 143.484 & 1.7407 & 143.484 & 1.7407 & 143.484 & 1.7407 & 143.484 & 1.7407 & 143.484 & 1.7407 & 143.484 & 1.7407 & 143.484 & 1.7407 & 143.484 & 1.7407 & 143.484 & 1.7407 & 143.$												
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$\begin{array}{c} 4411.5185108.954 \\ 421.5370111.633 \\ 431.5556114.355 \\ 441.5741117.077 \\ 441.574117.120 \\ 441.574117.120 \\ 441.574117.120 \\ 441.574117.120 \\ 441.5926119.864 \\ 441.5926119.864 \\ 441.6111122.651 \\ 441.6111122.651 \\ 441.6111122.651 \\ 441.6111122.651 \\ 441.6111122.651 \\ 441.62111122.651 \\ 441.62111122.651 \\ 441.6221132.651 \\ 441.6221132.651 \\ 441.6221132.651 \\ 441.6221132.651 \\ 441.6221132.651 \\ 441.6221132.651 \\ 441.6221132.651 \\ 441.6221132.651 \\ 441.6221132.651 \\ 441.6221132.651 \\ 441.6221132.651 \\ 441.6221132.651 \\ 441.6221132.651 \\ 441.6221132.651 \\ 441.6221132.651 \\ 441.6221132.651 \\ 441.6221132.651 \\ 441.6221132.651 \\ 441.6221132.651 \\ 441.6221132.651 \\ 441.6221132.651 \\ 441.6221132.651 \\ 441.6221132.651 \\ 441.6221132.651 \\ 441.6221132.651 \\ 441.6221132.651 \\ 441.6221132.651 \\ 441.6221132.651 \\ 441.6221132.651 \\ 441.6221132.651 \\ 441.6221132.651 \\ 441.6221132.651 \\ 441.6221132.651 \\ 441.6221132.651 \\ 441.6221132.651 \\ 441.6221132.651 \\ 441.6221132.651 \\ 441.6221132.651 \\ 441.6221132.651 \\ 441.6221132.651 \\ 441.6221132.651 \\ 441.6221132.651 \\ 441.6221132.651 \\ 441.6221132.651 \\ 441.6221132.651 \\ 441.6221132.651 \\ 441.6221132.651 \\ 441.6221132.651 \\ 441.6221132.651 \\ 441.6221132.651 \\ 441.6221132.651 \\ 441.6221132.651 \\ 441.6221132.651 \\ 441.6221132.651 \\ 441.6221132.651 \\ 441.6221132.651 \\ 441.6221132.651 \\ 441.6221132.651 \\ 441.6221132.651 \\ 441.6221132.651 \\ 441.6221132.651 \\ 441.6221132.651 \\ 441.6221132.651 \\ 441.6221132.651 \\ 441.6221132.651 \\ 441.6221132.651 \\ 441.6221132.651 \\ 441.6221132.651 \\ 441.6221132.651 \\ 441.6221132.651 \\ 441.6221132.651 \\ 441.6221132.651 \\ 441.6221132.651 \\ 441.6221132.651 \\ 441.6221132.651 \\ 441.6221132.651 \\ 441.6221132.651 \\ 441.6221132.651 \\ 441.6221132.651 \\ 441.6221132.651 \\ 441.6221132.651 \\ 441.6221132.651 \\ 441.6221132.651 \\ 441.6221132.651 \\ 441.6221132.651 \\ 441.6221132.651 \\ 441.6221132.651 \\ 441.6221132.651 \\ 441.6221132.651 \\ 441.6221132.651 \\ 441.6221132.651 \\ 441.6221132.651 \\ 441.6221132.651 \\ 441.6221132.651 \\ 441.6221132.651 \\ 441.6221132.651 \\ 441.62$												
$\begin{array}{c} 42 \\ 1.5370 \\ 111.633 \\ 1.5556 \\ 114.855 \\ 1.5741 \\ 117.077 \\ 1.5926 \\ 119.843 \\ 1.6111 \\ 122.651 \\ 1.6296 \\ 125.652 \\ 125.652 \\ 119.843 \\ 1.6111 \\ 122.651 \\ 1.6296 \\ 125.503 \\ 1.6481 \\ 128.355 \\ 1.6667 \\ 131.444 \\ 1.6296 \\ 125.503 \\ 1.6481 \\ 128.355 \\ 1.6667 \\ 131.436 \\ 1.6481 \\ 128.398 \\ 1.6667 \\ 131.327 \\ 1.6852 \\ 134.336 \\ 1.6852 \\ 134.338 \\ 1.7037 \\ 137.348 \\ 1.7037 \\ 137.348 \\ 1.7037 \\ 137.348 \\ 1.722 \\ 140.281 \\ 1.722 \\ 140.281 \\ 1.7407 \\ 1.481.6667 \\ 131.6852 \\ 134.448 \\ 1.7037 \\ 137.348 \\ 1.722 \\ 140.281 \\ 1.722 \\ 140.281 \\ 1.7407 \\ 143.281 \\ 1.722 \\ 140.281 \\ 1.7407 \\ 143.281 \\ 1.722 \\ 140.281 \\ 1.7407 \\ 143.281 \\ 1.722 \\ 140.281 \\ 1.722 \\ 140.281 \\ 1.722 \\ 140.281 \\ 1.722 \\ 140.281 \\ 1.722 \\ 140.281 \\ 1.7407 \\ 143.281 \\ 1.722 \\ 140.281 \\ 1.7407 \\ 143.281 \\ 1.722 \\ 140.281 \\ 1.7407 \\ 143.281 \\ 1.722 \\ 140.281 \\ 1.7407 \\ 143.281 \\ 1.722 \\ 140.281 \\ 1.7407 \\ 143.281 \\ 1.722 \\ 140.281 \\ 1.7407 \\ 143.281 \\ 1.722 \\ 140.281 \\ 1.7407 \\ 143.281 \\ 1.722 \\ 140.281 \\ 1.7407 \\ 143.281 \\ 1.722 \\ 140.281 \\ 1.7407 \\ 143.281 \\ 1.7407 \\ 143.281 \\ 1.7407 \\ 143.281 \\ 1.722 \\ 140.281 \\ 1.7407 \\ 143.281 \\ 1.7407 \\ 143.281 \\ 1.7407 \\ 143.281 \\ 1.7407 \\ 143.281 \\ 1.7407 \\ 143.281 \\ 1.7407 \\ 143.281 \\ 1.7407 \\ 143.281 \\ 1.7407 \\ 143.281 \\ 1.7407 \\ 143.281 \\ 1.7407 \\ 143.281 \\ 1.7407 \\ 143.281 \\ 1.7407 \\ 143.281 \\ 1.7407 \\ 143.281 \\ 1.7407 \\ 143.281 \\ 1.7407 \\ 143.281 \\ 1.7407 \\ 143.281 \\ 1.7407 \\ 143.281 \\ 1.7407 \\ 143.281 \\ 1.7407 \\ 143.281 \\ 1.7407 \\ 143.281 \\ 1.7407 \\ 143.281 \\ 1.7407 \\ 143.281 \\ 1.7407 \\ 143.281 \\ 1.7407 \\ 143.281 \\ 1.7407 \\ 143.281 \\ 1.7407 \\ 143.281 \\ 1.7407 \\ 143.281 \\ 1.7407 \\ 143.281 \\ 1.7407 \\ 143.281 \\ 1.7407 \\ 143.281 \\ 1.7407 \\ 143.281 \\ 1.7407 \\ 143.281 \\ 1.7407 \\ 143.281 \\ 1.7407 \\ 143.281 \\ 1.7407 \\ 143.281 \\ 1.7407 \\ 143.281 \\ 1.7407 \\ 143.281 \\ 1.7407 \\ 143.281 \\ 1.7407 \\ 143.281 \\ 1.7407 \\ 143.281 \\ 1.7407 \\ 143.281 \\ 1.7407 \\ 143.281 \\ 1.7407 \\ 143.281 \\ 1.7407 \\ 143.281 \\ 1.7407 \\ 143.281 \\ 1.7407 \\ 143.281 \\ 1.7407 \\ 143.281 \\ 1.7407 \\ 143.281 \\ 1.7407 \\ 143.281 \\ 143.281 \\ 143.2$			Section Control	13.000	200	The Colon of		CO Y	1000 CO. M. CO.	V - 2 - 5		
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$\begin{array}{c ccccccccccccccccccccccccccccccccccc$												
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$												
$\begin{array}{c} 47 \\ 1.6296 \\ 125.676 \\ 1.6481 \\ 128.614 \\ 1.6667 \\ 131.444 \\ 1.6667 \\ 131.336 \\ 1.6852 \\ 134.231 \\ 1.7037 \\ 137.235 \\ 1.7222 \\ 140.49 \\ 1.6667 \\ 131.596 \\ 1.6852 \\ 134.448 \\ 1.7037 \\ 137.343 \\ 1.7222 \\ 140.281 \\ 1.7407 \\ 143. \end{array}$												
$48 \begin{vmatrix} 1.6481 \begin{vmatrix} 128.614 \end{vmatrix} 1.6667 \begin{vmatrix} 131.444 \end{vmatrix} 1.6852 \begin{vmatrix} 134.318 \end{vmatrix} 1.7037 \begin{vmatrix} 137.235 \end{vmatrix} 1.7222 \begin{vmatrix} 140.49 \end{vmatrix} 1.6667 \begin{vmatrix} 131.596 \end{vmatrix} 1.6852 \begin{vmatrix} 134.448 \end{vmatrix} 1.7037 \begin{vmatrix} 137.343 \end{vmatrix} 1.7222 \begin{vmatrix} 140.281 \end{vmatrix} 1.7407 \begin{vmatrix} 143.48 \end{vmatrix} 1.7407 \begin{vmatrix} 143.48$										1.6852	134, 188	46
49 1 . 6667 131 . 596 1 . 6852 134 . 448 1 . 7037 137 . 343 1 . 7222 140 . 281 1 . 7407 143										1.7037	137.170	47
49 1.6667 131.596 1.6852 134.448 1.7037 137.343 1.7222 140.281 1.7407 143				1.6667	131.444	1.6852	134.318	1.7037	137.235	1.7222	140.194	48
[30]1.6852[134.620]1.7037[137.494]1.7222[140.410]1.7407[143.370]1.7593[146.6852]134.620[1.7037]137.494				1.6852	134,448	1,7037	137,343	1.7222	140.281	1.7407	143.262	49
	. !	6852	134.620	1.7037	137,494	1.7222	140.410	1.7407	143.370	1.7593	146.373	50
41 42 43 44 45	ī		11	1	9	8	12					-

# TABLE LII.—BASE 1.—SLOPES $1\frac{3}{4}$ to 1.

	46	4	17	4	8	4	9	5	0	
Freet	Mult. Add.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Malt.	Add.	Poet.
0	.8519 45.716	.8704	47.725	.8889	49,778	.9074	51.873	.9259	54.012	0
ĭ	8701 46,731	.8889	48.762	.9074	50.836	.9259	53,954	.9444	55.114	1
9	.8889 47.790	.9074	49,813	.9259	51.938		54.077	.9630	56.259	
3		. 9259	50.966	.9144	53.083	.9630	55, 244	.9815	57.448	3
4	.9259 50.037	.9444	52, 133	.9630	54.272			1,0000	58.679	
5	.9111 51,225	.9630	53,343	.9815	55,503	1.0000	57.707	1.0185	59.954	5
6	,9630 52,457	.9815	54,596	1.0000				1.0370	61.272	
7		1.0000	55,892	1.0185			60.343		62.633	
8	1,0000 55,019		57, 231	1.0370		1.0556	61.725		64.037	
9	1,0185 56,410	1.0370	58,614		60.861			1.0926	65.485	
10	1.0370 57.815	1.0556	60.040	1.0741	62.309	1.0926	64.620	1.1111	66.975	4
u	1.0556 59.262	1,0741	61.509	1.0926	63.799	1.1111	66.133	1.1296	68.509	
		1.0926	63.022	1.1111			67.688	1.1481	70.086	12
	1,0926 62,287	1.1111	61.577	1.1296	66,910	1.1481		1.1667	71.707	
L	1,1111 63,861	1.1296	66, 176		68.531			1.1852	73.370	1
15	1,1296 65, 185	1.1481	67.818	1, 1667	70.194	1.1852	72.614	1.2047	75.077	15
6	1.1181 67.148	1,1667	69.503	1.1852	71.901	1.2047	74.343	1.2222	76.827	16
		1.1852	71.231		73.631	1,2222	76.114	1.2407	78.620	17
	1.1852 70.605			1.9999	75.444	1.2407	77.929	1.2593	80.457	18
		1.2220		1.2107	77.281	1,2593	79.787,	1,2778	82.336	19
	1. 2000 74. 235			1,2593	79.160	1.2778	81.688	1.2963	84,259	26
	1.2107 76,111	1,2593	78 377	1,2778	81.083	1,2963	83.633	1.3148	86.225	21
		1.2778	80. 300	1.2963			85.620			
	1,2778 80,003		82, 509	1.3148	85.059	1.3333	87.651	1.3519	90.287	
	1,2963 82,012						89.725		92,383	24
	0.4 42 62 2 11 2 2 2 2 2 2 2 2 2 2 2	1.3333	86.614	1,3319	89.207	1.3704	91.843	1.3889	94.522	25
7.1	1,3333 86,160			1.3704			94.003			
	1,3519 88,299		00 830	1 3889	93.398	1.4074	96,207	1.4239	98.929	27
	1.3704 90.481			1.4074		1 4259	98.454	1.4144	101.198	28
	1.3889 92.707						100,741			
	1. 1071 91.975						103.077			
	1. 4259 97.247									
31	1. 4144 99.642	1 1.44.4	149 212	1 1213	103 086	1 50000	107 873	1 3183	110 704	1
32	1, 4630 102, 040	1 1413	101 769	1. 50000	107 398	1 3133	110.336	1 5370	113 118	33
20	1, 1815 04, 481	1 School	107 337	1.3183	110.013	1.5370	112 843	1. 5556	115.716	34
	1,3000 106,966	1 3153	109 731	1.3370	112.540	1.5556	115.394	1.5741	118, 287	33
	1,3185 103, 194									
50	1, 3379 112, 065	1.3340	111 270	1 3711	11	1 20-25	140 440	1 6111	144 550	137
3.	1,3330 114,670	1 3711	11 300	1 375:	190 252	1 6111	144 400	1 4404	146 458	100
33	1.3741 117.336	1 3.192	190 188	1 6111	194 053	1 6946	198 1199	1 6451	129 003	130
111	1.3926 120.637	1 6111	199 910	1 6296	123 827	1.6431	128.787	1.0007	131.790	(4)
#L	1.6111 122.781	1.6220	1231019	1.04.1	127 014	1 3553	121 115	1 70.17	137 404	.84
12	1.6296 123.308	1.0401	121 102	1 2259	121 21-	1 7047	14- 414	1 -24-	177 719	1.33
43	1.6667 131.272	1 2519	111 411	1 70.07	117 923	1 -444	CAL TAL	1.7407	143 376	141
R.R.	1.6832 134, 188	1 70.27	137 150	1 -000	140 1:44	1 7407	143 369	1. 7393.	146.373	0.65
40	1, 7037 137, 148	1. 1222	140.131	1. 16 1	112 4	1.1.73.3	110 133	T That's	139 300	149
ki.	1.7222 1 10, 151	1 -1 60%	112 21	1	111 220	1 70.00	139 145	I with	133 414	1.50
88	1.7647 143, 198	1 . 1.3.3.3	110 244	1 70.79	119 124	1 211	133 690	1 4000	134 404	1,00
£31	1,7593 146,287	2 -14-12	114 100	E 2114	133 214	1 2011	155 574	1 5519	169 687	150
2431	1. 1778 (12, 120)	L. 1293	LJ2. 4079	4. 0140	190.0-62	L. 3-3-3-3	14421319	E . 20 LG		No.
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		I		2		3		4		5	1
Feet.	Mult.	Add.	Mult.	Add.	Mult.	Add	Mult.	Add.	Mult.	Add.	Feet.
0	.0185	0.025	.0370	0.099	.0556	0.222	.0741	0.395	.0926	0.617	0
1	.0370	0.074	.0556	0.173	.0741	0.321	.0926	0,519	.1111	0.765	1
2	.0556	0.173	.0741	0.296	.0926	0.469	.1111	9,691	.1296	0.963	2
3	.0741	0.321	.0926	0.469	.1111	0.667	.1296	0.914	.1481	1.210	3
4	.0926	0.519	.1111	0.691	.1296	0.914	.1481	1.185	.1667	1.506	4
5	.1111	0.765	.1296	0.963	.1481	1.210	.1667	1.506	.1852	1.852	5
6	.1296	1.062	.1481	1.284	.1667	1.556	.1852	1.877	.2037	2.247	6
7	.1481	1.407	.1667	1.654	.1852	1.951	.2037	2.296	.2222	2.691	7
8	.1667	1.802	.1852	2.074	.2037	2.395	.2222	2.765	.2407	3.185	8
9	.1852	2.247	. 2037	2.543	. 2222	2.889	.2407	3,284	.2593	3.728	9
0	. 2037	2,741	.2222	3.062	.2407	3.432	. 2593	3.852	.2778	4.321	10
1	.2222	3.284	.2407	3.630	.2593	4.025	.2778	4.469	. 2963	4.963	
2	. 2407	3.887	.2593	4.247	.2778	4.667	. 2963	5.136	.3148	5.654	
3	. 2593	4.519	.2778	4.914	. 2963	5.358	.3148	5.852	.3333	6.395	13
4	.2778	5.210	. 2963	5.630	.3148	6.099	.3333	6.617	.8519	7.185	14
5	. 2963	5.951	.3148	6.395	. 3333	6,889	.8519	7.432	.3704	8.025	15
6	.3148	6.741	.3333	7.210	.3519	7.728	.3704	8.296	.3889	8.914	16
7	. 3333	7.580	.3519	8.074	.3704	8.617	.8889	9.210	.4074	9.852	17
8	.3519	8.469	.3704	8.988	.3889	9.556	.4074	10.173	.4259	10.840	18
9	.3704	9.407	.3889	9.951	.4074	10.543	. 4259	11.185	.4444	11.877	
0	. 3889	10.395	.4074	10.963	.4259	11.580	.4444	12.247	.4630	12.963	
1	.4074	11.432	.4259	12.025	.4444	12,667	.4630	13,358	.4815	14.099	21
2	.4259	12.519	.4444	13.136	.4630	13.802	.4815	14.519	.5000	15.284	22
3	.4444	13.654	.4630	14.296	.4815	14,988	.5000	15,728	.5185	16.519	
4	.4630	14.840	.4815	15.506	.5000	16.222	.5185	16.988	.5370	17.802	24
5	.4815	16.074	.5000	16.765	.5185	17.506	.5370	18.296	.5556	19.136	
6	.5000	17.358	.5185	18.074	.5370	18.840	. 5556	19.654	.5741	20.519	26
7	.5185	18.691	.5370	19.432	. 5556	20,222	.5741	21.062	.5926	21,951	27
8	.5370	20.074	.5556	20.840	.5741	21.654	.5926	22.519	.6111	23,432	28
9	.5556	21.506	.5741	22.296	.5926	23.136	.6111	24.025	.6296	24.963	
0	.5741	22.988	.5926	23,802	,6111	24.667	. 6296	25.580	. 6481	26.543	
1	. 5926	24.519	. 6111	25,358	.6296	26, 247	.6481	27.185	.6667	28.173	31
2	.6111	26.099	. 6296	26,963	. 6481	27.877	.6667	28.840	.6852	29.852	
3	. 6296	27.728	. 6481	28.617	. 6667	29.556	. 6852	30.543	.7037	31.580	33
4	. 6481	29.407	.6667	30,321	. 6852	31.284	.7037	32.296	.7222	33.358	34
5	. 6667	31.136	.6852	32.074	.7037	33,062	.7222	34.099	.7407	35.185	
6	. 6852	32,914	.7037	33.877	.7222	34.889	.7407	35.951	.7598	37.062	36
7	.7037	34.741	.7222	35.728	.7407	36.765	. 7593	37.852	.7778	38.988	37
8	.7222	36.617	.7407	37.630	.7593	38.691	.7778	39.802	.7968	40.963	
9	.7407	38.543	.7593	39.580	.7778	40.667	.7963	41.802	.8148	42.988	
0	.7593	40.519	.7778	41.580	.7963	42.691	.8148	43.852	. 8333	45,062	
1	.7778	42.543	.7963	43,630	.8148	44.765	.8333	45.951	.8519	47.185	41
2	.7963	44.617	.8148	45.728	.8333	46.889	.8519	48,099	.8704	49.358	
3	.8148	46.741	.8333	47.877	.8519	49.062	.8704	50.296	.8889	51.580	
4	. 8333	48.914	.8519	50.074	.8704	51.284	.8889	52.543	.9074	53.852	
5	.8519	51.136	.8704	52.321	.8889	53,556	.9074	54,840	.9259	56,173	
6	.8704	53.407	,8889	54.617	.9074	55.877	.9259	57, 185	.9444	58.543	
7	.8889	55.728	.9074	56.963	.9259	58.247	.9444	59.580	.9630	60.963	
18	.9074	58.099	.9259	59.358	.9444	60.667	.9630	62.025	.9815	63.432	
9	.9259	60.519	.9444	61.332	.9630	63,136	.9815	64.519	1.0000	65.951	
0	.9444	62.988	.9630	64.296	.9815	65.654	1.0000	67.062	1.0185	68.519	
		-100	20.00	31.57	in arriv	10.0018.0	T VOCY	20.5		1000	_
	1.0	1	4	2	1	3		4	1		

TABLE LIIL—BASE 1.—SLOPES 2 to 1.

		6	- 7			3		9	1	0	
Leet	Mult	Add	Mult.	Add	Malt.	Add	Mult.	Add.	Mult.	Add	Post.
0	.1111		.1296	1,216	.1481	1.580	.1667	2.000	.1852	2.469	0
	.1296		.1481	1.407	.1667	1.892	.1852	2.247	.2037	2.741	1
	.1481		.1667	1.654	.1852	2.074	.2037	2.543	.2222	3.062	
3	.1667	1.556	.1852	1.951	.2037	2.393	. 2222	2,889	.2407	3.432	
	.1852	1.877	.2037	2.296	. 2222	2.765	.2407	3.284	.2593	3.852	
ā	.2037	2.247	,2222	2.691	.2407	3,185	. 2593	3.728	.2778	4.321	1.5
6	. 2222	2.667		3.136	. 2593	3.654	.2778	4.222	.2963	4.840	
7	.2407	3.136	.2593	3.630	.2778	4.173	.2963	4.765	.3148	5.407	
8	.2593	4.222	.2778	4.173	.2963	4.741	.3148	5.358	.3333	6.025	
9	.2963	4.840	.3148	4.765	.3148	5.358	.3333	6.000	.3519	6.691	
		4 4 6 6 6 7	July 1 163	5.407	10000000	6.025	.3519	6.691	.3704	7.407	
11	.3148	5.506	.3333	6.099	.3519	6.741	.3704	7.432		8.173	
12	.3333	6.222	.3519	6.846	.3704	7.506	.3889	8.222	.4074.	8.988	
13	.3519	6.988	.3704	7.630	.3889	8.321	.4074	9.062	.4259	9.852	
14	.3704	7.802	,3889	8.469	.4074	9.185	.4259	9.951	.4111	10.765	
15	.3889	8.667	.4074	9.358	.4259	10.099	.4444	10.889	.4630		
16	.4074	9.580		10.296	.4444	11.062	.4630	11.877	.4815	12.741	
17	. 4259	10.543	.4444	11.284	.4630		.4815			13,802	
18		11.556	.4630		.4815		.5000		.5185		
19		12.617	.4815		.5000		.5185		.5370		
20		13.728	.5000	14.543	.5185	555780	.5370	0003000	.5556	17.284	20
21		14.889	.5185	15.728	.5370		.5556	17.556		18.543	21
23		16,099	.5370	16.963	. 5556	17.877	.5741	18.840	.5926	19.852	22
23		17.35×	.5556	18.247	.5741	19.185	.5926	20.173		21.210	
24		18.66.	.5741	19,580	.5926	20.543	.6111	21.556	.6296	22.617	24
25	.5741	20.025	.5926	20.963	.6111	21.951	, 6296	22,988	.6481	24.074	25
26	.5926	21.432	.6111	22.395	.6296	23,407	.6481	24,469	.6667	25.580	26
27		22.889	, 6296	23.877	.6481	24.914	.6667	26,000	.6852	27.136	
28		24.395	.6481	25, 407	.6667	26.469	. 6852	27.580	-7037	28.741	
29	.6481	25.951	.6667	26.988	. 6852	28.074	.7037	29.210	.7222	30,395	29
30	.6667	27.556	. 6852	28.617	.7037	29.728	.7222	30.889	.7407	32.099	(3)
31	.6852	29.210	.7037	30,296	.7222	31.432	.7407	32.617	.7593	33.852	31
32	.7037	30.914	.7222	32.025	.7407	33, 185	.7593			35,654	
33		32.667	.7407	33.802	7593	34.988	.7778	36.222		37.506	
34		34.46"	.7593	35.630	.7778	36.840	.7963	38.099	.8148	39.407	34
35	.7593	36.321	.7778	37.506	.7963	38.741	.8148	40.025	.8333	41.358	35
36	.7778	38,999	.7963	39.432	.8148	40.691	.8333	42,000	.8519	43.358	136
37		40,173	.8148	41.407	.8333	42.691	.8519	44.025		45.407	
38	.8148	42,173	.8333	43.432	.8519	44.741	.8704	46.099		47.506	
39	.8333	44,222	.8519	45.506	.8704	46.840	.8889		F-60-0-17-1	49.654	
40	.8519	46.321	.8704	47.630	.8889	48.988	,9074	50.395	.9259	51.852	40
41	.8704	48.469	.8889	49.802	.9074	51.185	.9259	52.617	1000	54,099	
42		50.667	.9074	52.025	.9259		.9444	54.889		56.395	
43		52.914		54.296	.9444		.9630	57.210		58.741	
14		55.210		56.617	.9630		.9815		1.0000		
45	.9111	57.556	.9630		.9815		1.0000		1.0185		
46	.9630	59.951	.9815	61.407	1.0000		1.0185		1.0370		
		62.395			1.0185		1.0370		1.0556		
		64.889		66.395	1.0370	67.951	1.0556	69.556	1.0741	71 910	48
		67.432		68,963	1.0556	70.543	1.0741	72,173	1.0926	73,859	49
50	1.0370-	70.025	1.0556	71.580	1.0741	73.185	1.0926	74,840	1.1111	76.543	
$\dashv$	-	-	-				7	9.25.25	24111		-
	6	5		7	9	3		9	1	0	

	1	1	1	2	1	3	1	4	1	5	
Feet.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Feet.
0	. 2037	2.988	.2222	3.556	.2407	4.178	.2593	4.840	. 2778	5.556	0
1	. 2222	3.284	.2407	3.877	.2593	4.519	.2778	5.210	. 2963	5.951	1
2	.2407	3.630	. 2593	4.247	.2778	4.914	.2963	5.630	.3148	6.395	2
3	.2593	4,025	.2778	4.667	. 2963	5.358	.3148	6.099	.3333	6.889	3
4	.2778	4.469	. 2963	5.136	.3148	5.852	.3333	6.617	.3519	7.432	4
5	.2963	4.963	.3148	5.654	. 3333	6.395	.3519	7.185	.3704	8.025	5
6	.3148	5.506	.3333	6.222	.8519	6.988	.3704	7.802 8.469	.3889	8.667	6
7	.3333	6.099	.3519	6.840	.3704	7.630 8.321	.3889	9.185	.4074	9.358	8
8	.3519	6.741	.3704	7.506	.3889	9.062	.4259	9.951	.4444	10.889	9
9	.3704	7.432 8.173	.3889	8.222 8.988	.4259	9.852	.4444	10.765	.4630	11.728	
0			.4259	9.802	.4444	10.691	.4630	11.630	.4815	12.617	100
1	.4074	8.963	.4444	10.667	.4630	11.580	.4815	12.543	.5000	13.556	
2	.4259	9.802 10.691	.4630	11.580	.4815	12.519	.5000	13.506	.5185	14.543	
3	.4630	11.630	.4815	12.543	.5000	13.506	.5185	14.519	.5370	15.580	
4 5	.4815	12.617	.5000	13.556	.5185	14.543	.5370	15.580	.5556	16.667	
6		13.654	.5185	14.617	.5370	15,630	.5556	16.691	.5741	17.802	16
7	.5185	14.741	.5370	15.728	. 5556	16.765	.5741	17.852	.5926	18.988	
8	.5370	15.877	.5556	16.889	.5741	17.951	.5926	19.062	.6111	20,222	
9	.5556	17.062	.5741	18.099	.5926	19.185	.6111	20,321	. 6296	21.506	
0	0.3.05.31	18.296	,5926	19.358	.6111	20.469	. 6296	21,630	. 6481	22.840	
1	.5926	19.580	.6111	20.667	. 6296	21.802	. 6481	22.988	. 6667	24,222	21
2	.6111	20.914	.6296	22.025	. 6481	23.185	.6667	24.395	. 6852	25.654	22
3		22.296	.6481	23.432	. 6667	24.617	. 6852	25,852	.7037	27.136	23
4	. 6481	23.728	. 6667	24.889	. 6852	26.099	.7037	27,358	.7222	28.667	24
5	.6667	25.210	. 6852	26.395	.7037	27.630	.7222	28,914	.7407	30.247	25
6	. 6852	26.741	.7037	27.951	.7222	29.210	.7407	30.519	.7593	31.877	
7	.7037	28.321	.7222	29.556	.7407	30.840	.7593	32.173	.7778	33.556	
8	.7222	29,951	.7407	31.210	.7593	32.519	.7778	33,877	.7963	35.284	
9	.7407	31.630	.7593	32.914	.7778	34. 247	.7963	35.630	.8148	37.062	
0	.7593	33.358	.7778	34.667	. 7963	36.025	.8148	37.432	.8333	38.889	535
1	.7778	35.136	.7963	36, 469	.8148	37.852	.8333	39.284	,8519	40.765	
2	.7963	36.963	.8148	38.321	.8333	39.728	.8519	41.185	.8704	42.691	
3		38.840	.8333	40.222	.8519	41.654	.8704	43.136	.8889	44.667	
4		40.765	.8519	42.173	.8704	43.630 45.654	.8889	45.136 $47.185$	.9074	46.691	
5	1	42.741	.8704	44.173	.8889		,9074		11.00		100
6		44.765	.8889	46,222	.9074	47.728	.9259	49.284	.9444	50.889	
7	.8889	46.840	.9074	48.321	.9259	49.852	.9444	51.432	.9630	53.062	
8		48.963	.9259	50.469	.9444	52.025	.9630	53.630 55.877	.9815	55.284	
9	.9259	51.136	.9444	52.667 54.914	.9630	56.519	1.0000	58.173	1.0000	57.556 59.877	
0	:9444	53.358		The second second	200	58.840	EX 19/4/00	60.519	10,000	62.247	1
1	.9630	55.630	.9815		1.0000	61.210		62.914		64.667	
2	1.0000	60.321	1.0000		1.0370		1.0556	65.358		67.136	
	1.0185		1.0370		1.0556	66.099		67.852	1.0926	69.654	
	1.0370	65.210		66.889		68.617		70.395		72.222	
	1.0556	67.728	100000000000000000000000000000000000000	69,432		71.185	2000	72,988	1.1296	74.840	100
	1.0741		1.0926	72.025		73.802		75.630		77.506	
	1.0926	72.914			1.1296	76.469			1,1667	80,222	
	1.1111		1.1296	77.358		79.185		81.062	1.1852	82.988	49
	1.1296		1.1481	80.099		81,951		83,852		85.802	50
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		1		2	1			4			100

	1	6	1	7	1	8	1	9	2	0	
Feet.	Mult	Add.	Mult.	Add.	Molt.	Add.	Mult.	Add.	Mult.	Add.	Feet.
0	. 2963	6.321	.3148	7.136	.3333	8.000	.3519	8,914	.3704	9.877	0
1	.3148	6.741	. 3333		.3519	8.469	.3704	9.407	. 3889	10.395	1
2	. 3333	7.210	.3519	8.074		8.988	.3889	9.951	.4074	10.963	2
3	.3519	7.728	.3704	8.617		9.556		10,543		11.580	
4	.3704	8, 296	.3889	9,210		10, 173		11, 185	.4444	12.247	
5	1000	8.914	.4074	9.852		10.840	100000	11.877	.4630	12,963	1 -
6	.4074	9.580	.4259	10.543	.4444	11.556		12.617	.4815	13.728	
-	. 4259	10.296	.4114	11.284		12.321	.4815	13,407	.5000		
8	.4444	11.062	.4630	12.074		13.136	.5000	14, 247	.5185	15.407	
9	.4630	11.877	.4815	12,914		14.000		15.136	. 5370	16.321	
10	.4815	12.741	.5000	13.802	.5185	14.914		16.074		17.284	1
11	.5000			14.741	.5370	15.877	.5556	17.062	.5741	18,296	8
12		14.617	.5370	15.728		16,889		18.099		19.358	
13		15,630		16.765	.5741	17.951		19.185		20.469	
14 15	.5741	16.691	.5741	17.852	.5926	19,062	.6296	20.321 21.506		21.630 22.840	
16	17.70.70	18,963			.6296	21.432	10000	22,741			
		20,173	.6111	20.173	.6481	22,691	.6667	24.025		24.099	
17 18		21.432	.6481	21,407							
19	.6481	22.741	. 6667	24.025		24,000 25,358		25,358 26,741		26.765 28.173	
20	.6667	24.099	. 6832	25.407	.7037	26.765		28.173	.7407		
21	. 6832	25, 506	.7037	26.840	.7999	28.222		29.654	.7593	31.136	
9-2	.7037	26.963	7999	28.321	.7407	29.728		31.185		32.691	
23	7999	28.469	.7407	29.832		31.284		32.765	.7963	34,296	
24	.7407	30.025	.7392	31.432		32.889	.7963	34, 395	.8148	35,951	
25	.7593	31.630	.7778	33.062		34.543		36.074	. 8333	37.654	
26	.7778	100000000000000000000000000000000000000	.7963	34.741		36,247	. 8333	37,802	1000000		100
27	.7963		.8148			38.000				41,210	
28		36,741		38.247		39.802		41,407		43.062	
29	. 8333	38.543		40.074		41.654		43.284	.9074		
30	.8519	40.395		41.931	.8889	43,556	.9074	45.210			
31	.8704	42, 296	.8889	43.877	.9074	45.506	.9259	47.185	.9444	48.914	31
32		44.247	.9074	45.832		47,506	.9444	49.210	.9630	50.963	32
33	.9074	46.247	.9239	47.877.	.9444	49,556	.9630	51.284	.9815	53.062	33
34		48.296		49.931		51,654			1.0000		
35	.9444	50.395	.9630	53.074	.9815	53.802	1.0000	55.580	1.0185	57.497	35
36	7/2/2/13	32.343				56,000			1.0370		
37	10000000000					58.247					
						60,543					
						62.889					
				63.432	1.0741	65.284	1.0926				4
		64.023				67.728			1.1296		
	1.0741					70,222					
						72.765			1.1667		
	1. tttt		1.1296	73.407			1.1667		1.1852		
	t. 1396.				100000	78.000			1.2047		
	1.1481			78,691				82.741			
40	1.1667	13. 132	1.1802			83, 432					
		82.173				86,222					
	1.3047					91,951					
	-			24-1392		71.901		2.5.000	-	44.440	L
		6	1	7	1	8	1	9	9	10	

- 1	2	1	2	2	2	3	2	4	2	5	
Feet.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Feet.
0	.3889	10.889	.4074	11.951	.4259	13.062	.4444	14.222	.4630	15.432	0
1	.4074	11.432	.4259	12.519	,4444	13.654	.4630	14.840	.4815	16.074	1
2	.4259	12.025	.4444	13, 136	.4630	14,296	.4815	15.506	.5000	16.765	2
3	.4444	12.667	.4630	13.802	.4815	14.988	.5000	16.222	.5185	17.506	3
4	.4630	13,358	.4815	14.519	.5000	15.728	.5185	16.988	.5370	18.296	4
5	.4815	14.099	.5000	15.284	.5185	16.519	:5370	17.802	.5556	19,136	5
6	.5000	14.889	.5185	16.099	.5370	17.358	. 5556	18.667	.5741	20.025	6
7	.5185	15.728	.5370	16.963	. 5556	18.247	.5741	19,580	.5926	20.963	7
8		16.617	.5556	17.877	.5741	19.185	.5926	20.543	.6111	21.951	8
9	.5556	17.556	.5741	18.840	.5926	20.173	.6111	21.556	.6296	22.988	
10	.5741	18.543	.5926	19.852	.6111	21.210	.6296	22.617	. 6481	24.074	
- 1	100000000000000000000000000000000000000	722		Carried Section	1000000		100.00	A 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100	1,000	and the second	
11	.5926	19.580	.6111	20.914	.6296	22.296	. 6481	23.728	.6667	25.210	
12	.6111	20,667	. 6296	22.025	. 6481	23,432	. 6667	24.889	. 6852	26.395	
13		21.802	.6481	23.185	. 6667	24,617	. 6852	26.099	.7037	27.630	
14	. 6481	22,988	.6667	24.395	. 6852	25.852	.7037	27.358	.7222	28.914	
15	. 6667	24.222	. 6852	25.654	.7037	27,136	.7222	28.667	.7407	30.247	15
16	. 6852	25,506	.7037	26.963	.7222	28,469	.7407	30,025	.7593	31.630	16
17	.7037	26,840	.7222	28.321	.7407	29,852	.7593	31,432	.7778	33.062	17
18	.7222	28,222	.7407	29.728	.7593	31.284	.7778	32.889	.7963	34.543	18
19	.7407	29.654	.7593	31,185	.7778	32.765	.7963	34.395	.8148	36.074	19
20	.7598	31.136	.7778	32.691	.7963	34,296	.8148	35.951	. 8333	87.654	20
21	14/2010/19	32,667	.7963	34.247	.8148	35,877	.8333	37.556	.8519	39.284	
22	.7778			35.852	.8333	37.506	.8519	39.210	.8704	40.963	
	.7963	34.247	.8148				.8704	40.914	.8889	42,691	
23	.8148	35.877	.8333	37.506	.8519	39, 185			.9074	44.469	
24	.8333	37.556	.8519	39.210	.8704	40,914	.8889	42.667	.9259	46.296	
25	.8519	39.284	.8704	40.963	.8889	42,691	.9074	44.469	100000000000000000000000000000000000000		100
26	.8704	41.062	.8889	42.765	.9074	44.519	.9259	46.321	.9444	48,173	26
27	.8889	42.889	.9074	44.617	.9259	46,395	.9444	48.222	.9630	50.099	
28	.9074	44.765	.9259	46.519	.9444	48,321	.9630	50.173	.9815	52.074	
29	.9259	46.691	.9444	48.469	.9630	50,296	.9815	52.173		54.099	
30	.9444	48.667	.9630	50.469	.9815	52.321	1,0000	54.222	1.0185	56.173	30
31	.9630	50,691	.9815	52.519	1.0000	54.395	1.0185	56.321	1.0370	58.296	31
32	.9815	52.765			1.0185	56.519	1.0370	58.469		60.469	
	1.0000	54.889		56.765		58.691	1.0556	60.667		62.691	
	1.0185	57.062		58.963		60.914	1.0741	62.914	2 222 2	64.963	34
	1.0370	59.284		61.210		63.185	1.0926	65.210		67.284	
- 1	100000000000000000000000000000000000000	C	N - 1	10.00	10-190-1904	1 10 10 10 10 10 10 10 10 10 10 10 10 10	7 (a) (b) (c) (c)	Acres Acres and	Colonia San	69.654	
	1 0556	61.556		63.506		65.506	1.1111	67.556	200000000000000000000000000000000000000		
	1.0741	63,877		65.852		67.877	1.1296	69.951	The state of the state of	72.074	
	1.0926	66.247		68.247		70.296	1.1481	72.395		74.543	
	1.1111	68.667		70.691			1.1667	74.889		77.062	
FO	1.1296	71,136	1.1481	73.185	1.1667	75.284	1.1852	77.432	1.2047	79,630	
11	1.1481	73.654	1.1667	75.728	1.1852	77.852	1.2047	80.025	1.2222	82.247	
12	1.1667	76,222	1.1852	78.321	1.2047	80.469	1.2222	82.667	1.2407	84.914	42
3	1.1852	78,840	1.2047	80.963	1.2222	83.136	1.2407	85.358	1.2593	87.630	43
14	1.2047	81.506	1.2222	83.654	1.2407	85.852	1.2593	88.099	1.2778	90.395	44
	1.2222	84.222	1.2407	86.395	1.2593	88.617	1.2778	90.889	1,2963	93.210	45
- 1	1.2407	86.988	F 100 100 1	89.185	1.2778	91,432	1.2963	93.728	1.3148	96.074	46
	1.2593	89.802	1.2778	92,025	1.2963	94.296	1.3148	96.617			
	1.2778	92.667		The State of State of State of	1.3148	97.210	1.3333			101.951	
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	1.3148							105.580			
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- Ind	Mult.	Add.	Mult.	Add.	Mult.	Add.	Mult.	Add	Mult.	Add.	Poot.
6	. 4815	16.691	.5000	18.000	.5185	19.358	5370	20.765	.5556	22.222	0
1	. 5000		.5185		.5370	20.074		21.506		22.988	1
2	.5185	18.074	.5370	19.432	. 5556	20.840	.5741	22.296	.5926	23.802	1 5
3	.5370	18,840	.5556	20.222	.5741	21.654	.5926	23.136	.6111	24.667	1 3
4	. 5556	19.654	.5741	21.062	.5926	22.519	.6111	24.025	. 6296	25.580	
5	.5741	20.319	. 5926	21.951	.6111	23,432	.6296	24,963	.6481	26.543	
6	3996	21,432	6111	22.889	6996	24.395	6181	25.951	.6667	27.556	1
		22.395		23.877		25.407		26.988		28.617	
3	1000	23.407		24.914	.6667	26.469		28.074			
8	244	24.469		26.000		27. 38	700-	29.210		29.728	
9										30.889	
10		25,580		27.136		28.741		30.395	2000	32.099	100
1	. 6852	26.741		28,321		29.951		31.630		33.358	11
12	.7037	27.951		29.556	.7407	31.210	.7593	32,914	.7778	34.667	12
13	2999	29, 210		30.840	.7593	32.519	.7778	34,247	.7963	36.025	13
4	.7407	30.519	.7593	32.173	.7778	33.877	.7963	35.630	.8148	37.432	14
5	.7593	31.877	8	33.556	.7963	35, 284	.8148	37.062	.8333	38.889	13
6		33,284	7963	34.988		36.741	1	38.543	10000	40.395	
-		34,741				38.247	8519	40.074	0.010	41.951	1.5
8		36.247				39.802	9701	41.654		19 220	41.
		37.802		39.580		41.407		43: 284		43.556	
3	2310	39.407		41.210	2220	42 029	.9074	11 000	0012	10.210	13
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1		41.062	.8889	42.889	.9074	44.765	.9259	46,691	.9411	48.667	[2]
		42.765	.9074	44.617 46.395 48.222	9359	46.519	.9111	48.469	.9630	50.469	22
3	.0074	44.519	.9259	46.395	.9111	48.321	.9630	50,296	.9815	52.321	23
4	.9259	46.321	.9444	18.222	.9630	50.173	.9815	52.173	1.0000	54.222	2:
5	.9111	48.173	. 9630	50.099	.9815	52.074	1.0000	54.099	1.0185	56,173	23
d	9630	50.074	9815	59 095	1 0000	34.695	1 0185	56 074	1 0370	58 179	90
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		64.765							1.166.		
		67.062						73.654	1.1852	75.951	
5	1.1296	69.407	1.1481	71.580	1.1667	73.802	1.1852	76.074	1.2047	78.395	33
16	1.1481	71.802	1.1667	74.000	1.1852	76.247	1.2047	78,548	1 4444	80 889	la
	1.1667			76.469						83, 432	1
	1.1852	76.741					1.2407				
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~ B			1000								1
		84.519									
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9	1,3148	95.580	1.3333	38.000	1.5519	100, 469	1.5.04	02.958	1.3889	105.556	14
		98.469									
7	1.3319	101.407	1.3704	103.877	1.3889	106.395	1.40741	08.963	1.4259	111.580	$l_{47}$
8	1.3704	104.395	1.3889	106.889	1.4074	109.432	1.4259 1	12.025	1 4444	114,667	48
		107.432									
		110.519									
1	4200	CONTRACT	A COLUMN	- 1	14:11:0						Ľ
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300 SECOND SERIES.

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TABLE LIII.—BASE 1.—SLOPES 2 to 1.

	3	1	3	32	3	3	3	4	3	5	П
Peet.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Feet.
0	.5741	23.728 24.519	.5926 .6111	25.284 26.099	. 6111 . 6296	26.889 27.728	. 6296 . 6481	28.543 29.407	. 6481	30.247 31.136	0
2	.6111 .6296	25.358 $26.247$	. 6296 . 6481	26.963 $27.877$	. 6481 . 6667	28.617 29.556	.6667 .6852	30.321 31.284	. 6852 . 7037	$32.074 \\ 33.062$	2
3 4	.6481	27.185	.6667	28.840	.6852	30.543	.7037	32.296	.7222	34.099	3 4
5	.6667	28.273	.6852	29.852	.7037	31.580	.7222	38.358	.7407	35.185	5
6 7	.6852 .7037	29.210 30.296	.7037	30.914 32.025	.7222	32.667 $33.802$	.7407	34.469 35.630	.7593	36.321 37.506	6
8	.7222 .7407	31.432 32.617	.7407	33,185 34,395	.7593 .7778	34.988 36.222	.7778 .7963	36.840 38.099	.7963 .8148	38.741 $40.025$	8
9 10	.7598	33.852	.7778	35.654	.7963	37.506	.8148	39.407	.8333	41.358	
11	.7778	35.136	.7963	36,963	.8148	38.840	. 8333	40.765	.8519	42.741	11
12 13	.7963 .8148	36.469 $37.852$	.8148	38.321 39.728	.8333	40.222 $41.654$	.8519 .8704	42.173 43.630	.8704	44.173 45.654	
14	.8333	39.284	.8519	41.185	.8704	43.136 44.667	.8889 .9074	45.136 46.691	.9074	47.185 48.765	14
15 16	.8519 .8704	40.765 42.296	.8704 .8882	42.691 44.247	.8889	46.247	.9259	48.296	.9259	50.395	
17	. 8889	43.877	.9074	45.852	.9259	47.877	.9444	49.951	.9630	52.074	17
18 19	.9074	45.506 47.185	.9259	47.506 49.210	.9444	49.556 51.284	.9630	51.654 53.407	1.9815	53.802 55.580	
20	.9444	48.914	.9630	50.963	.9815	53.062		55.210		57.407	
$\frac{21}{22}$	.9630 .9815	50.691 59.519	.9815 1.0000	52.765 54.617	1.0000 1.0185		1.0185 1.0370		1.0370 1.0556	59.284 61.210	
23	1.0000	54.395	1.0185	56.519	1.0370	58.691	1.0556	60.914	1.0741	63.185	23
	1.0185 1.0370	56.321 58.296	$1.0370 \\ 1.0556$	58.469 60.469	1.0556		$1.0741 \\ 1.0926$	62.914 64.963	1.0926 $1.1111$	65.210 $67.284$	
	1.0556	60.321	1		1.0926	64.765	1.1111	l	1.1296	69.407	
	1.0741 1.0926	62.395 64.519	1.0926	64.617 66.765			1.1296 1.1481		1.1481 1.1667	71.580 73.802	
	1.1111		1.1296	68.963			1.1667		1.1852	76.074	29
	1.1296	68.914		71.210	1.1667		1.1852		1.2047	78.395	
	1.1481 1.1667	71.185 73.506	1.1667 1.1852	73.506 75.852	1.1852 $1.2047$		$1.2047 \\ 1.2222$	78.296 80.691	$1.2222 \\ 1.2407$	80.765 83.185	
	1.1852		1.2047	78.247 80.691	1.2222		1.2407		1.2593	85.654	
	$1.2047 \\ 1.2222$	78.296 80.765	1.2222 1.2407		1.2407 $1.2593$		1.2593 $1.2778$		$1.2778 \\ 1.2963$	88.173 90.741	
	1.2407		1.2593	85.728	1.2778		1.2963		1.3148	93.358	
	$1.2593 \\ 1.2778$		1.2778 1.2963	88.321 90.963	1.2963 1.3148		1.3148 1.3333		1.3333	96.025 98.741	
39	1.2963	91.136	1.3148	93.654	1.3333	96.222	1.3519	98.840	1.3704	101.506	39
i I	1.3148 1.3333	98.852	1.3333	96.395 99 185	1.8519			101.630 104.469	ll I		
42	1.3519	99.432	1.8704	102.025	1.3889	104.667	1.4074	107.358	1.4259	110.099	42
		102.296 105.210		104.914 107.852				110.296 113.284			
45	1.4074	108.178	1.4259	110.840	1.4444	113.556	1.4630	116.321	1.4815	119.186	
				113.877 116.963				119.407 122.543			46
48	1.4630	117.358	1.4815	120.099	1.5000	122.889	1.5185	125.728	1.5370	128.617	48
		120.519 128.728		123.284 126.519		126.099 129.358				131.877 135.185	
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L	3	1	3	32	3	33	3	34	3	5	

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Poot.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Post.
0	. 6667	32,000	. 6852	33.802	.7037	35.654	.7222	37.556	.7407	39.506	
1	. 6852	32.914	.7037	34.741	.7222	36.617	.7407	38.543	.7593	40.519	
2	.7037	33.877	.7222	35.728		37.630	.7593	39.580	.7778	41.580	
3	.7222	34,889	.7407	36.765		38.691	.7778	40.667	. 7963		
4	.7407	35,951	.7593	37.852	.7778	39.802	.7963	41.802	.8148		
5	.7593	37.062	.7778	38,988	.7963	40.963	.8148	42.988	.8333	45.062	5
6	.7778	38, 222	.7963	40.173	.8148	42.173	.8333	44.222	.8519	46.321	
7	.7963	39.432	.8148	41.407		43.432	.8519	45.506	.8704	47,630	
8	.8148	40.691	. 8333	42.691		44.741			.8889	48.988	
9	. 8333.	42.000	.8519	44.025			.8889	48.222	.9074	50.395	
10	.8519	43.358	.8704	45.407	.8889	47.506	. 9074	49.654	.9259	51.852	10
11	.8704	44.765	.8889.	46.840	.9074	48,963	.9259	51.136		53.358	
12	.8889	46.222	.9074	48.321	.9259.	50.469	.9444	52.667	.9630	54.914	12
13	.9074	47.728	.9259	49.852	.9444	52.025	.9630	54.247		56,519	
14	.9259.	49.284	.9111	51.432		53.630	.9815		1.0000	58.173	
15	.9444	50.889	.9630	53.062	.9815	55.284	1.0000	57.556	1.0185	59.877	15
16	.9630	52.543	.9815	54.741	1.0000	56.988	1.0185	59.284	1.0370	61.630	16
17	.9815	54.247	1.0000	56.469	1.0185	58.741	1.0370	61.062	1.0556	63.432	17
18	1.0000	56.000	1.0185	58.247	1.0370	60.543	1.0556	62.889	1.0741	65.284	18
19	1.0185	57.802	1.0370	60.074	1.0556	62.395	1.0741	64.765	1.0926		
20	1.0370	59.654	1.0556	61.951	1.0741	64.296	1.0926	66.691	1.1111	69.136	20
21	1.0556	61.556	1.0741	63.877	1.0926	66.247	1.1111	68, 667	1.1296	71.136	21
	1.0741		1.0926		1.1111		1.1296	70.691		73.185	
	1.0926	65.506		67.877		70,296	1.1481	72.765	1.1667	75.284	23
-	1.1111	67.556	0 CH 1	69,951		72.395	1.1667	74.889	1.1852	77.432	24
	1.1296	69.654			1.1667	74.543	1.1852	77.062	1.2047	79.630	25
	1.1481	71.802	1 1667	74.247	1.1852	76.741	1.2047	79 284	1.2222	81.877	26
	1.1667	74.000			1.2047		1.2222		1.2407	84.173	
	1.1852	76,247	1.2047	78.741			1.2407		1.2593	86.519	
	1.2047				1.2407		1.2593		1.2778	88,914	
-	1.2222	80.889			1.2593		1.2778		1.2963	91.358	30
4.6	1.2407	83.284			1.2778	88 469	1.2963		1.3148	93,852	31
	1.2593	85.728		88.321			1.3148		1.3333	96.395	
	1.2778	88.222			1.3148		1.3333		1.3519	98,988	
	1.2963	90.765	1.3148	93.407				98.840			
	1.3148	1000			1.3519	98.741		101.506			
- 3	1.3333	100000000000000000000000000000000000000	2.31.31	98.691	N. W. S. S. S. T.	101.432	The same of the same of	104.222			
		98.691				104.178	1.4074	106.988	1.4259	109.852	37
		101.432									
		104.222				109.802	1.4444	112,667	1.4630	115,580	39
		107.062				112.691	1.4630	115.580	1.4815	118,519	40
100		109.951	The second of	The second second			1	118.543			1
		112.889				118.617		121.556			
		115.877						124.617			
		118,914						127.728			
		122.000				127.877		130.889		133.951	
		125.136	1 2 2 2 2 2 2	proper design	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1	134.099	1000000		100
		128, 321						137.358			
48	1 5556	131.556	1 5741	134 549	1 5926	137 580	1 6111	140 667	1.6296	143, 802	48
49	1.5741	134.840	1.5926	137.859	1.6111	140.914	1.6296	144.025	1.6481	147, 185	49
50	1 5998	138.173	1.6111	141.210	1.6296	144 296	1.6481	147, 432	1,6667	150,617	50
-	2.0020	.50.110						20222	2		
		C		7		0		00		0	
	3	36	3	17	3	8		39	9	· ·	

TABLE LIII.—BASE 1.—SLOPES 2 to 1.

	4	1	4	2	4	3	4	4	4	5	
Feet.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Feet.
0		41.506	.7778	43.556	.7963	45.654	.8148	47.802	. 8833	50.000	0
1	.7778	42.543	.7963	44.617	.8148	46.741	.8333	48.914	.8519	51.136	
2	.7963	43.630	.8148	45,728	. 8333	47.877	.8519	50.074	.8704	52.321	2
3		44.765	. 8333	46.889	.8519	49.062	.8704	51.284	. 8889	53.556	-
4	.8333	45,951	.8519	48.099	.8704	50.296	.8889	52.543	.9074	54.840	
5	.8519	47.185	.8704	49.358	.8889	51.580	.9074	53.852	.9259	56.173	5
6		48,469	.8889	50.667	.9074	52.914	.9259	55.210	.9444	57.556	6
7	.8889	49.802	.9074	52.025	.9259	54.296	.9444	56.617	.9630	58.988	7
8	.9074	51.185	.9259	53.432	.9444	55.728	.9630	58.074	.9815	60.469	
9	.9259	52.617	.9444	54.889	.9630	57.210	.9815	59.580	1.0000	62.000	9
10	.9444	54.099	.9630	56.395	.9815	58.741	1.0000	61.186	1.0185	63.580	10
11	.9630	55.630	.9815	57.951	1.0000	60.321	1.0185	62.741	1.0370	65.210	11
	.9815	57.210	1.0000	59.556	1.0185	61.951	1.0370	64.395	1.0556	66.889	
	1.0000	58.840		61.210	1.0370	63.630	1.0556	66.099	1.0741	68.617	
	1.0185	60.519		62.914	1.0556	65.358	1.0741	67.852	1.0926	70.395	
	1.0370	62,247		64.667	1.0741	67.136	1.0926	69.654	1.1111	72.222	
	1.0556	64,025	533200	66,469	1.0926	68.963	1.1111	71.506	1.1296	74.099	
- 4	1.0741	65.852		68.321		70.840	1.1296	73.407	1.1481	76.025	
	1.0926	67.728			1.1296	72.765		75.358	1.1667	78.000	
	1.1111		1.1296	72.173		74.741	1.1667	77.358	1.1852	80.025	
	1.1296	71.630	1.1481	74.173		76.765	1.1852	79.407	1.2047	82.099	
	100000	No. 1000		N		14 20 20	A. 15. (1)	550000	10000000		100
	1.1481		1.1667	76.222		78.840		81.506	1.2222	84.222	
	1.1667		1.1852	78.321		80.963		83.654	1.2407	86.395	
	1.1852	77.852	1.2047	80.469		83.136		85.852	1.2593	88.617	
	1.2047	80.025	1.2222	82.667			1.2593	88.099	1.2778	90.889	-
25	1.2222	82,247	1.2407	84.914		87.630	1.2778	90.395	1.2963	93.210	25
26	1.2407	84.519	1.2593	87.210		89.951	1.2963	92.741	1.3148	95.580	26
27	1.2593	86.840	1.2778	89.556	1.2963	92.321	1.3148	95.136	1.3333	98,000	27
28	1.2778	89.210	1.2963	91.951	1.3148	94.741	1.3333	97.580	1.3519	100.469	28
29	1.2963	91,630	1.3148	94.395				100.074	1.3704	102,988	29
30	1.3148	94.099	1.3333	96.889	1.3519	99.728	1.3704	102.617	1.3889	105.556	30
31	1,3333	96.617	1.3519	99.432	1.3704	102.296	1.3889	105.210	1:4074	108.173	31
7.71	1.3519					104,914			1.4259	110.840	39
33	1.3704					107.580				113.556	
		104.469				110.296				116.321	
35	1.4074					113.062				119.136	
- 1			10 7	100000		115.877	120 2000	N. P. L. C. 197		122.000	10.00
	1.4444					118.741				124.914	
						121.654				127.877	
						124.617				130, 889	
						127.630				133.951	
-			The second		0.0000	The Color	2.77	7.6.	No. 200-	Marine Marine	0.0
						130.691				137.062	
						133.802				140.222	
						136.963					
						140.173					
221	5.2	4.46.47.4.4.4			7.77720	143,432		10000000	March College College		
						146.741					
47	1.6296	143.630	1.6481	146.840	1.6667	150.099	1.6852	153.407	1.7037	156.765	47
						153.506					
						156.963					
50	1,6852	153.852	1.7037	157.136	1.7222	160.469	1.7407	163.852	1.7593	167.284	50
-	-	-	- 1		-	-	-		- 1		_
	1	1	4	9	1	3	4	4	4		

	4	6	4	7	4	8	4	19	5	0	Γ
Peet.	Mult,	Add.	Mult.	Add.	Mult.	Add.	Mult.	'Add.	Mult.	Add.	Feet.
0	.8519	52,247	.8704	54.543	.8889	56,889	.9074	59.284	.9259	61.728	0
1	.8704	53.407	.8889	55.728	.9074	58.099	.9259	60,519		62.988	
2	.8889	54.617	.9074	56.963	.9259	59.358			.9630	64.296	
3	.9074	55.877 57.185	.9259		.9444	60.667 62.025	.9630	63.136	1.0000	65.654	
5	.9259	58.543	.9630	60.963	.9630 .9815	63.432	.9815 1.0000		1.0185	68,519	
100	.9630	59.951	.9815	62.395	1.0000	64.889		1000	1.0370	70.025	1.0
6	.9815	61.407	1.0000		1.0185	66.395	100000000	27 3 3 4 4 4	1.0556	71.580	
	1.0000	62.914	1.0185		1,0370		1.0556			73.185	
	1.0185		1.0370		1.0556		1.0741		1.0926	74.840	
	1.0370		1.0556		1.0741		1.0926	73.852	1.1111	76.543	10.75
	1.0556	67.728	1,0741	70.296	1.0926	72.914	1.1111	75.580	1.1296	78.296	11
	1.0741		1.0926	72.025	1.1111		1.1296			80.099	
	1.0926		1.1111		1.1296		1.1481		1.1667	81.951	
14	1.1111	72.988	1.1296	75.630	1.1481		1.1667		1.1852	83,852	14
15	1.1296	74.840	1.1481	77.506	1.1667	80.222	1,1852	82,988	1.2047	85.802	15
16	1.1481	76.741	1.1667	79.432	1.1852	82.173	1.2047	84.963	1.2222	87.802	16
17	1.1667		1.1852		1.2047		1,2222		1.2407	89.852	
	1.1852		1.2047		1.2222		1.2407	The second section	1.2593	91.951	100
	1.2047		1.2222		1.2407		1.2593	91.185		94.099	
	1.2222	Part of the	1.2407		1.2593	Maria Maria Maria Maria	1.2778	93,358	1.2963	96.296	100
	1.2407		1.2593				1.2963		1.3148		
	1.2593		1.2778	92.025	1.2963		1.3148			100.840	
7	1.2778		1.2963					100.173 $102.543$			
	1.2963 1.3148		1.3148					104.963			
	1 10 10 27	100 CO 11	30.7		C			107.432	1.5		100
		98.469 100.914									
								112.519			
		105.951									
		108.543									
7	15.00 Y Y	111.185	in the second	SHOW THAT	1	to profess of the same	100000	120.519	the car a se		1000
		113.877						123.284			
	50.00000	116.617						126,099			
		119.407						128.963			
35	1.5000	122.247	1.5185	125.407	1.5370	128.617	1.5556	131,877	1.5741	135.185	35
36	1.5185	125.136									
		128.074						137.852			
								140.914			
		134.099									
100	0.74.4(0).1	137.185		7 4 5 5		10.00	1000	Charles Control	5 N VY V		
		140.321									
		143.506									
		146.741 $150.025$							1.7222	163.852	14
		153.358									
	1000000		1 3 3 3 3		The second second		7-2-3-5	THE TO SEC. 19	CONTRACTOR OF THE PARTY OF THE		
		156.741 160.173									
		163.654								174.296 $177.877$	
		167.185									
		170.765									
	4	6	4	7	4	8	4	9	5	0	

TABLE LIV.—BASE 1.—SLOPES 21 to 1.

		1	5	2	1	3	4	1	1	5	
Feet.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Feet.
0	.0185	0.028	.0370	0.111	.0556	0.250	.0741	0.444	.0926	0.694	1
1	.0370	0.083	.0556	0.194	.0741	0.361	.0926	0.583	.1111	0.861	
2	.0556	0.194	.0741	0.333	.0926	0.528	.1111	0.778	.1296	1.083	
3	.0741	0.361	.0926	0.528	.1111	0.750	.1296	1.028	.1481	1,361	1
4	.0926	0.583	.1111	0.778	.1296	1,028		1.333	.1667	1.694	
5	.1111	0.861	. 1296	1.083	1481	1.361	.1667	1.694	.1852	2.083	1
6	.1296	1.194	.1481	1.444	.1667	1.750	.1852	2,111	.2037	2.528	
7	.1481	1.583	.1667	1.861	.1852	2.194	. 2037	2.583	.2222	3,028	
8	.1667	2.028	.1852	2.333	.2037	2.694	.2222	3,111	.2407	3,583	
9	.1852	2.528	.2037	2.861	. 2222	3,250	.2407	3.694	. 2593	4.194	
LO	. 2037	8.083	.2222	3.444	.2407	3.861	. 2593	4.333	.2778	4,861	1
11	. 2222	3.694	.2407	4.083	.2593	4.528	.2778	5.028	. 2963	5.583	
12	.2407	4.361	.2593	4.778	.2778	5.250	. 2963	5.778	.3148	6.361	1
13	.2593	5.083	.2778	5.528	. 2963	6.028	,3148	6.583	. 3333	7.194	1
14	.2778	5.861	. 2963	6.333	.3148	6.861	.8333	7.444	, 3519	8,083	1
15	.2963	6.694	.3148	7.194	. 3333	7.750	.3519	8,361	.3704	9.028	1
16	.3148	7.583	. 3333	8.111	.3519	8.694	.3704	9.333	.3889	10.028	1
7	.3333	8.528	. 3519	9.083	.3704	9.694	.3889	10.361	.4074	11.083	1
18	.3519	9.528	.3704	10.111	.3889	10.750	.4074	11.444	.4259	12.194	1
19	.3704	10.583	.3889	11.194	.4074	11.861	.4259	12.583	.4444	13,361	1
20	.3889	11.694	.4074	12.333	.4259	13.028	.4444	13.778	.4630	14.588	2
1	.4074	12.861	.4259	13.528	.4444	14.250	.4630	15.028	.4815	15.861	2
22	.4259	14.083	.4444	14.778	.4630	15.528	.4815	16.333	.5000	17.194	
23	.4444	15.361	.4630	16.083	.4815	16.861	.5000	17.694	.5185	18.583	2
24	.4630	16.694	.4815	17.444	.5000	18.250	.5185	19.111	.5370	20.028	
25	.4815	18.083	.5000	18.861	.5185	19.694	.5370	20.583	.5556	21.528	
26	.5000	19.528	.5185	20.888	.5370	21.194	.5556	22.111	.5741	23.083	2
27	.5185	21.028	.5870	21.861	.5556	22.750	.5741	23,694	.5926	24.694	2
8	.5370	22.583	.5556	23.444	.5741	24.361	.5926	25.333	.6111	26.361	2
29	. 5556	24, 194	.5741	25 083	.5926	26.028	.6111	27,028	. 6296	28.083	2
30	.5741	25.861	.5926	26.778	.6111	27.750	.6296	28.778	, 6481	29.861	
31	. 5926	27.583	.6111	28.528	. 6296	29.528	. 6481	30.583	. 6667	31.694	3
32	.6111	29.861	. 6296	30.333	.6481	31.361	. 6667	82.444	. 6852	33.583	3
13	.6296	31,194	. 6481	32.194	.6667	33.250	. 6852	84.861	.7037	35.528	
34	. 6481	33.083	.6667	34.111	.6852	35.194	.7037	36.333	.7222	37.528	
35	. 6667	35.028	. 6852	36.083	.7037	37.194	.7222	38.361	.7407	39.583	
16	. 6852	37.028	.7037	38.111	.7222	39.250	.7407	40.444	.7598	41,694	1
17	.7037	39.083	.7222	40.194	.7407	41.361	.7593	42.583	.7778	43,861	
18	.7222	41.194	7407	42.333	.7593	43.528	.7778	44.778	.7963	46.083	
39	.7407	43.361	.7593	44,528	.7778	45.750	.7963	47.028	.8148	48.361	
10	.7593	45.583	.7778	46.778	.7963	48.028	.8148	49.333	.8333	50.694	
1		47.861	.7963		40.00	50.361	.8333	51.694	.8519	53.083	
12	.7778	50.194	.8148	49.083	.8148		.8519	54.111	.8704	55.528	
13				51.444		52.750	.8704	56,583	.8889	58.028	
4	.8148	52.583 55.028	.8333	53.861	.8519	55.194 57.694	.8889	59,111	.9074	60.583	
15	.8519	57.528	.8519 .8704	56.333 58.861	.8889	60.250	.9074	61.694	.9259	63, 194	
- 1	Service Control	14 21 14	Acres to the second	Allow Towns	12, 5999, 51	11 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	.9259	A STATE OF THE REAL PROPERTY.	.9444	65.861	100
6	.8704	60.083	.8889	61.444	.9074	62.861		64.333	.9630	68.583	
17	.8889	62.694	.9074	64.083	.9259	65.528	.9444	67.028	.9815	71.361	
18	.9074	65.361	.9259	66.778	.9444	68.250	.9630	69.778		74.194	
19	.9259	68.083	.9444	69.528	.9630	71,028	.9815	72.583	1,0000	77.083	
0	. 9444	70.861	.9630	72.333	.9815	73.861	1.0000	75.444	1.0185	11.000	10
		1				3		1			Γ

		6	1	7	1	8	9	9	1	0	
Feet.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Mult.	Add	Mult.	Add.	Foot.
0	.1111	1.000	.1296	1.361	.1481	1.778	.1667	2.250	.1852	2.778	1
1	.1296	1.194	.1481	1.583	.1667	2.028	.1852	2.528	. 2037	3.083	
2	.1481	1.444	.1667	1.861	.1852	2.333	.2037	2.861	.2222	3.444	1
3	.1667	1.750	.1852	2,194	.2037	2.694	.2222	3.250	.2407	3.861	1
4	.1852	2,111	.2037	2.583	.2222	3.111	. 2407	3.694	.2593	4.333	
5	.2037	2.528	.2222	3.028	. 2407	3.583		4.194	.2778	4,861	1
6		3.000	.2407	3.528	. 2593	4.111	.2778	4.750	. 2963	5.444	
7		3.528	.2593	4.083	.2778	4.694	. 2963	5.361	.3148	6.083	
8		4.111	.2778	4.694	. 2963	5.333	.3148	6.028	.3333	6.778	
9		4.750	. 2963	5.361	.3148	6.028	. 3333	6.750	.3519	7.528	
10	1 1 1 1 1	5.444	.3148	6.083	. 3333	6.778	.3519	7.528	.3704	8.333	
11	.3148	6, 194	.3333	6.861	. 3519	7.583	.3704	8.361	.3889	9.194	
12		7.000	.3519	7.694	.3704	8.444	.3889	9.250	.4074	10.111	
13		7.861	.8704	8,583	.3889	9.361	.4074	10.194	.4259	11.083	
14 15		8.778 9.750	.3889	9,528	.4074	10.333	.4259	11.194 12.250	.4444	12.111 13.194	
16	1.70	10.778	.4259	10.528	10 10 10 10 10	11.361	.4630	1000	.4815	14.333	
17		11.861	.4144	11.583	.4444	12.444		13.361 14.528	.5000	15.528	
18		13.000		12.694	.4630	13.583	.4815		.5185	16.778	
19		14.194	.4630	13.861	.4815	14.778	.5000	15.750 17.028	.5370	18.083	
20		15.444	.5000	15.083 16.361	.5000	16.028 17.333	.5185	18.361	.5556	19.444	
21	.5000	16,750	.5185	17.694	.5370	18.694	.5556	19.750	.5741	20.861	
22		18.111	.5370	19.083	.5556	20.111	.5741	21.194	.5926	22.333	
23		19.528	.5556	20.528	.5741	21.583	.5926	22.694	.6111	23.861	
24		21.000	.5741	22.028	.5926	23.111	.6111	24.250	.6296	25.444	
25		22.528	.5926	23.583	.6111	24.694		25.861	.6481	27.083	
26	.5926	24.111	. 6111	25.194	.6296	26.333	. 6481	27.528	.6667	28.778	2
27	.6111	25.750	. 6296	26, 861	.6481	28.028	.6667	29.250	. 6852	30.528	
28	. 6296	27.444	. 6481	28.583	.6667	29.778	.6852	31.028	.7037	32.333	
29	.6481	29.194	. 6667	30.361	.6852	31.583	.7037	32,861	.7222	34.194	
30	.6667	31.000	.6852	32.194	.7037	33.444	.7222	84.750	.7407	36.111	
31	. 6852	32.861	.7037	34.083	.7222	35.361	.7407	36.694	.7593	38.083	3
32	.7037	34.778	.7222	36.028	.7407	37, 333		38.694	.7778	40.111	33
33		36.750	.7407	38,028	. 7593	39.361	.7778	40.750	.7963	42.194	3
34		38.778	.7593	40.083	.7778	41.444	. 7963	42,861	.8148	44.333	3
35	7	40.861	.7778	42.194	. 7963	43.583	.8148	45.028	.8333	46.528	3.
\$6		43,000	.7963	44.361	.8148	45.778	.8333	47.250	.8519	48,778	
\$7		45.194	.8148	46.583	.8333	48.028	.8519	49,528	.8704	51.083	3
88	100000000000000000000000000000000000000	47.444	. 8333	48.861	.8519	50.333	.8704	51.861	.8889	53,444	3
39	1777777	49.750	.8519		.8704	52.694	.8889	54.250	.9074	55.861	
10	The state of the s	52.111	.8704	53.583	.8889	55.111	.9074	56.694	.9259	58.333	•
11		54.528	.8889		.9074	57.583		59.194	.9444	60.861	
12			.9074		.9259	60.111	.9444	61.750	.9630	63.444	
13			.9259		.9111		.9630	64.361	.9815	66.083	
14 15		64.750	.9444	63.694	.9630		. 9815	67.028	1.0000	68.778 71.528	
16	100000	67.444	1	200	.9815	02360	1.0000	69.750	1 0370	74.333	
17		70.194	.9815	69.083			1.0185		the second second	and the second second second second	
	1.0000			71.861	1.0185		1.0370		1.0556	77.194	
	1.0185		1.0185		1.0370			78.250	1 0000	80.111	
50	1.0370	78,778	1.0370	77.583 80.528		79.361	1.0741		1.0926	83.083 86.111	
1		-1-0-1-0		30.020		02.000		01.101			L
		6		7	8	3	9	9	1	0	

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Feet.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Mult.	Add	Mult.	Add.	Feet.
0	.2037	3.361	. 2222	4.000	.2407	4.694	.2593	5.444	.2778	6.250	0
1	.2222	3.694	.2407	4.361	. 2593	5.083	.2778	5.861	. 2963	6.694	
2	.2407	4.083	. 2593	4.778	.2778	5.528	.2963	6.333	.3148	7.194	
3	. 2593	4.528	.2778	5.250	. 2963	6.028	.3148	6.861	.3333	7.750	
4	.2778	5.028	. 2963	5.778	.3148	6,583	.3333	7.444	.3519	8.361	4
5	.2963	5.583	.3148	6.361	, 3333	7.194	.3519	8.083	.3704	9.028	1
6	.3148	6.194	.3333	7.000	.3519	7.861	.3704	8.778 9.528	.3889	9.750 $10.528$	-
7 8	. 3333	6.861	. 3519	7.694	.3704	8.583	.3889	10.333	.4259	11.361	
9	.3704	7.588	.3704	8.444 9.250	.3889	9.361	.4259	11,194	.4444	12.250	8
10	.3889	8.361 9.194	.3889	10.111	.4074	10,194 $11,083$	.4444	12.111	.4680	13.194	
11	.4074	10.083	.4259	11.028	.4444	12.028	.4630	13.083	.4815	14.194	
12	.4259	11.028	.4444	12.000	.4630	13.028	.4815	14.111	.5000	15.250	
13	.4444	12.028	.4630	13.028	.4815	14.083	.5000	15.194	.5185	16.361	
14	.4630	13.083	.4815	14.111	.5000	15.194	.5185	16.333	.5370	17.528	
15	.4815	14.194	.5000	15,250	.5185	16.361	.5370	17.528	.5556	18,750	
16	.5000	15.361	.5185	16.444	.5370	17.583	. 5556	18.778	.5741	20.028	16
17	.5185	16,583	.5370	17.694	.5556	18.861	.5741	20.083	.5926	21,361	
18	.5370	17.861	.5556	19,000	.5741	20,194	.5926	21,444	.6111	22.750	
19	. 5556	19.194	.5741	20.361	.5926	21,583	.6111	22.861	.6296	24, 194	
20	.5741	20,583	.5926	21.778	.6111	23,028	. 6296	24,333	. 6481	25.694	100
21	.5926	22.028	.6111	23.250	. 6296	24.528	. 6481	25.861	. 6667	27.250	
22	.6111	23.528	.6296	24.778	. 6481	26.083		27.444	. 6852	28.861	
23	. 6296	25.083	. 6481	26.361	.6667	27.694	.6852	29,083	.7037	30.528	
24	. 6481	26,694	.6667	28.000	.6852	29.361	.7087	30.778	.7222	32,250	
25	.6667	28.361	.6852	29.694	.7037	31.083	100000000000000000000000000000000000000	32.528	.7407	34.028	100
26	. 6852	30.083	.7037	31.444	.7222	32.861	.7407	34.333	.7593	35.861	
27	.7037	31.861	.7222	33.250	.7407	34.694	.7593	36.194	.7778	37.750	
28	.7222	88.694	.7407	35,111	.7593	36.583		38.111	.7963	39.694	
$\frac{29}{30}$	.7407	35.583 37.528	.7593	37,028 39,000	.7778	38.528 $40.528$	.7963	40.083 $42.111$	.8148	41.694 $43.750$	
31	.7778	39.528	.7963	41.028	.8148	42.583	.8333	44.194	.8519	45.861	
32	.7963	41.583	.8148	43.111	.8333	44.694	.8519	46.333	.8704	48.028	
33	.8148	43.694	.8333	45.250	.8519	46.861	.8704	48.528	. 8889	50.250	
34	.8333	45.861	.8519	47.444	.8704	49.083		50.778	.9074	52.528	
35	.8519	48.083	.8704	49.694	.8889	51.361		53.083	.9259	54.861	
36	.8704	50.361	.8889	52.000	.9074	53.694	.9259	55.444	.9444	57.250	36
37	.8889	52.694	.9074	54.361	.9259	56.083	.9444	57.861	.9630	59.694	37
38	.9074	55.083	.9259	56.778	.9444	58.528	.9630	60.333	.9815	62.194	38
39	.9259	57.528	.9444	59.250	.9630	61.028	.9815	62.861	1.0000	64.750	
40	.9444	60.028	.9630	61.778	.9815	63.583	1.0000	65.444	1.0185	67.361	1
41	.9630	62.583	.9815	64.361			1.0185		1.0370	70.028	
42	.9815		1.0000	67.000			1.0370		1.0556	72.750	
	1.0000	67.861		69.694			1.0556		1.0741	75.528	
	1.0185	70.583		72.444		74.361			1.0926	78.361	
	1.0370	The state of the s	1.0556	75.250	1 7 (00000000000000000000000000000000000	Saw Notice	1.0926	2000	1.1111	81,250	0.00
	1.0556		1.0741	78.111		80.083			1.1296	84.194	
	1.0741		1.0926	81.028			1.1296	85.083		87.194	
	1.0926		1.1111	84.000		86.028	1.1481	88.111		90.250 $93.361$	
	1.1111 $1.1296$		1.1296 $1.1481$	87.028 90.111		89.083 92.194		91.194 $94.333$	1.1852 $1.2047$	96.528	
-					0.711			0	28 22 4		-
	1	1	1	2	1	3	1	4	1	5	

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Frot.	Mult.	Add.	Mult.	Add	Mult.	Add	Mult.	Add.	Mult.	Add.	Feet.
0	. 2963	7.111	.3148	8.028	, 3333	9.000	.3519	10.028	.3704	11.111	0
1	.3148	7.583	. 3333	8.528	.3519	9.528	.3704	10.583	.3889	11.694	1
2	. 3333	8.111	. 3519	9.083	.3704	10.111	.3889	11.194	.4074	12.333	2
3	.3519	8.694	.3704	9.694	.3889	10.750	.4074	11.861	.4259	13.028	3
4	.3704	9.333	.3889	10.361	.4074	11.444	.4259	12.583	.4444	13.778	4
5	.3889	10.028	.4074	11.083	.4259	12,194	.4444	13.361	.4630	14.583	5
6	.4074	10,778	.4259	11.861	.4444	13.000		14.194	.4815	15.444	6
7	.4259	11.583	.4444	12.694	.4630	13.861	.4815	15.083	.5000	16.361	7
8	.4444	12.444	.4630	13.583	.4815	14.778		16,028	.5185	17.333	
9	.4630	13.361	.4815	14.528	.5000	15.750		17.028	.5370	18.361	9
10	.4815	14,333	0.000.00	15.528	.5185	16,778	100000	18.083	.5556	19.444	
11	.5000	15.361	.5185	16.583	.5370	17.861	.5556	19.194	.5741	20.583	
12	.5185	16.444	.5370	17.694	.5556	19.000		20.361	.5926	21.778	
13		17.583	. 5556	18.861	.5741	20.194	.5926	21.583	.6111	23.028	
14	.5556	18,778	.5741	20.083	.5926	21.444	.6111	22.861	.6296	24.333	
15	.5741	20.028	.5926	21.361	.6111	22.750	10000	24, 194	.6481	25.694	
16		21.333	.6111	22,694	.6296	24.111	. 6481	25.583	.6667	27.111	
17	.6111	22.694	. 6296	24,083	. 6481	25.528		27.028	. 6852	28.583	
18	. 6296	24.111	.6481	25.528	.6667	27.000	. 6852	28.528	.7037	30.111	18
19	. 6481	25.583	.6667	27.028	. 6852	28.528		30.083	.7222	31.694	19
20	. 6667	27.111	. 6852	28.583	.7037	30.111	.7222	31.694	.7407	33.333	20
21	.6852	28.694	.7037	30, 194	.7222	31.750	.7407	33.361	.7593	35.028	21
22	.7037	30.333	.7222	31,861	.7407	33.444	.7593	35.083	.7778	36.778	22
23	.7222	32.028	.7407	33.583	.7598	35.194	.7778	36.861	.7963	38.583	23
24	.7407	33.778	.7593	35.361	.7778	37.000	. 7963	38.694	.8148	40.444	24
25	.7593	35.583	.7778	37.194	.7963	38.861	.8148	40.583	.8333	42.361	
26		37.444	.7963	39.083	.8148	40.778		42.528	.8519	44.333	26
27	.7963	39.361	.8148	41.028	. 8333	42.750		44.528	.8704	46.361	
28	.8148	41.333	.8333	43.028	.8519	44.778	.8704	46.583	.8889	48.444	
29	.8333	43.361	.8519	45.083	.8704	46.861	.8889	48.694	.9074	50.583	29
30	.8519	45.444	.8704	47.194	.8889	49.000	.9074	50.861	. 9259	52.778	30
31	.8704	47.583	.8889	49.361	.9074	51.194	.9259	53.083	.9444	55.028	
32	.8889	49.778	.9074	51.583	.9259	53.444		55.361	.9630	57.333	
33	.9074	52.028	. 9259	53.861	.9444	55.750		57.694	.9815	59.694	
34	.9259	54.333	. 9444	56.194	.9630	58.111	.9815		1.0000	62.111	
35	.9444	56.694	.9630	58.583	.9815	60.528	1,0000	62.528	000000	64.583	35
36		59.111	.9815	61.028	1.0000	63.000	1.0185	65.028	1.0370	67.111	
37		61.583	1.0000	63.528	1.0185	65.528	1.0370	67.583	1.0556	69.694	37
38	1.0000	64.111	1.0185	66.083	1.0370	68.111	1.0556	70.194	1.0741	72.333	38
	1.0185	66.694		68.694	1.0556	70.750	1.0741	72.861	1.0926	75.028	39
40	1.0370	69.333	1.0556	71.361	1.0741	73.444	1.0926	75.583	1.1111	77.778	40
	1.0556	72.028	1.0741	74.083	1.0926	76.194	1.1111	78.361	1.1296	80.583	41
42	1.0741	74.778	1.0926	76,861	1.1111	79.000	1.1296	81.194	1.1481	83.444	42
	1.0926		1.1111		1.1296	81.861	1.1481	84.083	1.1667	86.361	43
	1.1111		1.1296		1.1481		1.1667	87.028	1.1852	89.333	
	1.1296	10.00 ASS. W	1.1481	10 7 7 7 7 7 7	1.1667	and the same of the same of	1.1852	90.028	1.2047	92.361	1
	1.1481	86.333			1.1852		1.2047	93.083	1.2222	95.444	
	1.1667		1.1852		1.2047	93.861		96.194	1.2407	98.583	
	1,1852		1.2047		1.2222		1.2407	99.361		101.778	
	1.2047		1.2222					102.583			
90	1.2222	98.778	1.2407	101.083	1,2593	103.444	1.2778	105.861	1.2963	108.333	90
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0 1 2 3	Mult.	Add.									
1 2 3	2880	ZAMIA.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Feet.
2	.0000	12.250	.4074	13.444	.4259	14.694	.4444	16,000	.4630	17.361	0
3	.4074	12.861	.4259	14.083	. 4444	15.361	.4630	16.694	.4815	18.083	
	.4259	13.528	.4444	14,778	.4630	16,083	.4815	17.444	.5000	18.861	2
	.4444	14.250	.4630	15.528	.4815	16,861	.5000	18.250	.5185	19.694	
4	.4630	15.028	.4815	16.333	.5000	17.694	.5185	19.111	.5370	20.583	4
5	.4815	15.861	.5000	17.194	.5185	18.583	.5370	20.028	.5556	21.528	
6	.5000	16.750	.5185	18.111	.5370	19.528	. 5556	21.000	.5741	22.528	6
7	.5185	17.694	.5370	19.083	. 5556	20.528	.5741	22,028	. 5926	23.583	7
8	.5370	18.694	. 5556	20.111	. 5741	21.583	.5926	23, 111	.6111	24,694	
9	.5556	19.750	.5741	21.194	. 5926	22.694	. 6111	24.250	.6296	25.861	
10	.5741	20.861	.5926	22.333	. 6111	23,861	.6296	25.444	. 6481	27.083	
11	.5926	22.028	. 6111	23.528	. 6296	25.083	. 6481	26.694	.6667	28.361	
12	.6111	23,250	. 6296	24.778	. 6481	26.361	. 6667	28.000	. 6852	29.694	
13	. 6296	24.528	. 6481	26.083	. 6667	27.694	. 6852	29.361	.7037	31.083	
14	.6481	25.861	.6667	27.444	. 6852	29.083	.7037	30.778	.7222	32.528	1
15	.6667	27.250	.6852	28.861	.7037	30.528		32.250	.7407	34.028	
16	. 6852	28.694	.7037	30.333	.7222	32.028	.7407	33.778	.7593	35.583	1.0
17	.7037	30, 194	.7222	31,861	.7407	33.583	.7593	35.361	.7778	37.194	
18	.7222	31.750	.7407	33,444	.7593	35.194	.7778	37.000	.7963	38.861	
19		33.361	.7593	35.083	.7778	36.861	.7963	38.694	.8148	40.583	
20	.7593		.7778	36.778	.7963	38.583	.8148	40.444	.8333	42.361	
21	.7778	36.750	.7963	38.528	.8148	40.361	. 8333	42.250	.8519	44.194	1
22	.7963	38.528	.8148	40.333	.8333	42.194	.8519	44.111	.8704	46.083	
23		40.361	.8333	42.194	.8519	44.083	.8704	46.028	.8889	48.028	
24		42.250	.8519	44.111	.8704	46.028		48.000	.9074	50.028	
25	.8519	44.194	.8704	46.083	.8889	48.028		50.028	.9259	52.083	
26	.8704	Land And	.8889	48.111	.9074	50.083	.9259	52.111	.9444	54.194	100
27	.8889	48,250	.9074	50.194	.9259	52.194	.9444	54.250	.9630	56.361	
28			.9259	52.333	.9444	54.361	.9630	56.444	.9815	58.583	
29	.9259	52.528	.9444	54.528	.9630	56.583	.9815		1.0000	60.861	
30			.9630	56.778	.9815		1.0000	61.000	1.0185	63.194	
31	.9630	57.028	.9815	59.083	1,0000	61.194	1.0185	63.361	1.0370	65.583	1
32	.9815	59.361		61.444			1.0370	65.778		68.028	
	1.0000				1.0370	66.028		68.250	1.0741	70.528	
	1.0185			66.333		68,528		70.778	1.0926	73.083	
35	1.0370			68.861			1.0926	73.361		75.694	
36	1.0556	69.250	1.0741	71.444	1.0926	73.694		Land For a se	1.1296	78.361	200
	1.0741	71.861			1.1111		1.1296	78.694		81.083	
	1.0926			76.778		79.083			1.1667	83.861	
	1.1111		1.1296	79.528			1.1667	84.250	1.1852	86,694	
	1.1296	80.028			1.1667	and a reference of the	1.1852	12 12 2 2 2	1.2047	89.583	1
275	1.1481	82.861	1 0 00	The same of the same	1.1852	87.583		90.028	100000	92.528	
	1.1667	85.750		88.111			1.2222	93.000	1.2407	95.528	
	1.1852	88.694		91.083		93.528	the first of the country		1.2593		
	1.2047	91.694		94.111			1.2593			101.694	
	1.2222			97.194				102.250		104.861	
V0.3	1.2407	1600		100.333	1					108.083	
		101.028								111.361	
48	1.2778	104.250	1 2963	106 778	1 8148	109 361	1 3393	112 000	1 3510	114 604	18
49	1.2963	107.528	1 3148	110 089	1 8333	112 694	1 3519	115 361	1 3704	118 000	10
50	1.3148	110.861	1.3333	113 444	1.3519	116.088	1.3704	118.778	1 3889	191 598	50
									-10000	-21.020	
		21	6	2	0	3		4	0	5	

	2	6	2	7	2	8	2	9	3	0	
Fret.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Poot.
ø	.4815	18.778	.5000	20,250	.5185	21.778	.5370	23.861	.5556	25.000	1
1	.5000	19.528	.5185	21.028	.5370	22.583	.5556	24.194	.5741	25.861	
2	.5185	20.333	.5370	21.861	.5556	23.444	.5741	25.083	.5926	26.778	1 5
3	.5370	21.194	. 5556	22.750	.5741	24, 361	.5926	26.028	.6111	27.750	1
4	.5556	22.111	.5741	23,694	.5926	25.333	.6111	27.028	.6296	28.778	١,
5	.5741	23.083	.5926	24.694	.6111	26.361	.6296	28.083	.6481	29.861	
6	.5926	24.111	.6111	25.750	.6296	27.444	.6481	29.194	.6667	31.000	1
7	.6111	25.194	. 6296	26.861	.6481	28.583	.6667	30.361	.6852	32, 194	
8	.6296	26.333	.6481	28.028			.6852	31.583	.7037	33.444	
9	.6481	27.528	.6667	29.250	.6852		.7037	32.861	.7222	34.750	
10		28.778	.6852	30.528	.7037	32.333	.7222	34.194	.7407	36.111	
	N. A.		17.000		1	100000	The last terms of the	Street Street	10000000		1
11	. 6852	30.083	.7037	31.861	.7222	33.694	.7407	35.583	.7593	37.528	
12	.7037	31.444	.7222	33,250	.7407	35.111	.7593	37.028	.7778	39.000	
13	.7222	32.861		34.694	.7593	36.583	.7778	38.528	.7963	40.528	
14	.7407	34.333	.7593	36.194	.7778	38.111	.7963	40.083	.8148		
15	.7593	35.861	.7778	37,750	.7963	39.694	.8148	41.694	.8333	43.750	1,
16	.7778	37.444	.7963	39.361	.8148	41,333	, 8333	43.361	.8519	45.444	11
17	.7963	39.083	.8148	41.028	.8333	43.028	.8519	45.083			
18		40.778		42.750		44.778		46.861	.8889	49.000	
19		42.528		44.528		46.583		48,694			100
20		44.333	.8704			48.444				52.778	
			1		1 2 2 2 4		.9259	Street at the second	12524		ro
21	.8704	46.194	.8889	48.250						54.750	
22		48.111		50, 194	.9259	52.333	.9444	54.528		56.778	
23		50.083		52, 194	.9444	54.361	.9630	56.583		58.861	
24	.9259	52.111	.9144			56.444	.9815			61.000	
25	.9444	54.194	.9630	56.361	.9815	58.583	1.0000	2000	1.0185	63.194	25
26	.9630	56.333	.9815	58.528	1.0000	60.778	1.0185	63.083	1.0370	65.444	26
27	.9815	58.528	1.0000	60.750	1.0185	63.028	1.0370	65.361	1.0556	67.750	27
28	1.0000	60.778	1.0185	63,028	1.0370	65.333	1.0556	67.694	1.0741	70.111	28
29	1.0185	63.083	1.0370	65.361	1.0556	67.694	1.0741	70.083	1.0926	72.528	25
30	1.0370	65.444	1.0556	67.750	1.0741	70.111	1.0926	72.528	1.1111	75.000	(30
21	1.0556	67.861			1.0926	72.583	1.1111	75.098	1.1296	77.528	21
	1.0741	70.333			1.1111	75.111		77.583		80.111	
	1.0926			75.250			1.1481		1.1667	82.750	
	1.1111	75.444			1.1481	80.333			1.1852		
	1.1296		1.1481		1.1667	83.028			1.2047	88.194	
10					2000000			100000000000000000000000000000000000000	100		
	1.1481	80.778			1.1852					91.000	N
		83.528			1.2047	88.583			1.2407		
		86.333			1.2222			94.083			
		89.194						97.028			
40	1.2222	92.111	1.2407	94.694	1.2593	97.333	1.2778	100.028	1.2963	102.778	146
41	1.2407	95.083	1,2593	97.694	1.2778	100.361	1,2963	103.083	1.3148	105.861	41
42	1.2593	98.111	1,2778	100.750	1.2963	103.411	1.3148	106.194	1.3333	109.000	45
13	1.2778	101.194	1.2963	103.861	1.3148	106.583	1.3333	109.361	1.3519	112.194	43
		104.333									
		107.528									
- 1	F-4 - CO TO TO	110.778			1				F-10-10-11		
47	1 2310	114.083	1 9701	116 961	1 2220	110 604	1 4071	199 880	1 4960	195 590	1
		117.444									
		123.861 124.333									
96	1.4014	121,000	1. +209	121.134	1.1111	130.111	1. 4090	100,000	1.4619	190.111	1"
		0		_	-	10		6			Г
	2	6	2	7	2	8	2	9	3	0	1

1	3	1	3	2	3	3	3	4	3	5	
Feet.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Pest,
0	.5741	26.694	. 5926	28.444	.6111	30.250	.6296	32.111	. 6481	34.028	0
1	.5926	27.583	.6111	29.361	. 6296	31.194	. 6481	33,083	.6667	35.028	1
2	.6111	28.528	. 6296	30,333	. 6481	32.194	. 6667	34, 111	. 6852	36.083	2
3	. 6296	29.528	. 6481	31,361	.6667	33.250	. 6852	35, 194	.7037	37,194	3
4	. 6481	30.583	. 6667	32,444	.6852	34.361	.7037	36,333	.7222	38.361	4
5	. 6667	31,694	. 6852	33.583	.7037	35.528	.7222	37.528	.7407	39.583	5
6	. 6852	32.861	.7037	34.778	.7222	36.750	.7407	38.778	.7593	40.861	1
7	.7037	34.083	.7222	36.028	.7407	38,028	.7593	40.083	.7778	42.194	
8	.7222	35.361	.7407	37.333	.7593	39.361	.7778	41.444	.7963	43.583	
9	.7407	36.694	.7593	38,694	.7778	40.750	.7963	42,861	.8148	45.028	
0	.7593	38.083	.7778	40.111	.7963	42.194	.8148	44.333	. 8333	46.528	10
1	.7778	39.528	.7963	41.583	.8148	43.694	,8333	45.861	.8519	48.083	
12	. 7963	41.028	.8148	43.111	.8333	45.250	.8519	47.444	.8704	49.694	
13	.8148	42.583	. 8333	44.694	.8519	46.861	.8704	49.083	.8889	51.361	
4	, 8833	44.194	.8519	46,333	.8704	48.528	.8889	50.778	.9074	58.083	
15	.8519	45.861	.8704	48.028	.8889	50.250	.9074	52.528	.9259	54,861	
6	.8704	47.583	.8889	49.778	.9074	52.028	.9259	54.333	.9444	56.694	1
7	. 8889	49.361	.9074	51.583	. 9259	53,861	.9444	56.194	.9630	58.583	
8	.9074	51.194	.9259	53,444	.9444	55.750	.9630	58.111	.9815	60.528	
9	.9259	53.083	.9444	55.361	.9630	57.694	.9815		1.0000	62.528	
0	.9444	55.028	.9630	57.333	. 9815	59.694	1.0000	62.111	1.0185	64.583	20
1	.9630	57.028	.9815	59.361	A 100 March 1971	61,750	1,0185		1.0370	66.694	1
2	.9815	59.083	1.0000	61,444		63.861	1.0370		1.0556	68,861	
	1.0000	61.194	1.0185	63.583		66.028	1.0556	68.528		71.083	
	1.0185	63.361	1.0370	65.778		68,250	1.0741		1.0926	73.361	
25	1.0370	65.583	1.0556	68.028	1.0741	70.528	1.0926	73.083	1.1111	75.694	25
	1.0556	67.861	1.0741	70.333		72.861	1.1111		1.1296	78.083	
7	1.0741	70.194	1.0926	72.694	1.1111	75,250	1.1296	77.861	1.1481	80.528	
	1.0926	72.583	1.1111	75.111		77.694	1.1481	80.333		83.028	
	1.1111	75.028	1.1296	77.583		80.194	1.1667		1.1852	85.583	
0	1.1296	77.528	1.1481	80.111	1.1667	82.750	1.1852	85.444	ALCOHOL:	88.194	30
1	1.1481	80.083	1.1667	82.694	1.1852	85.361	1.2047	88.083	1.2222	90.861	
2	1.1667	82.694	1.1852	85,333	1.2047	88.028	1,2222	90.778	1.2407	93.583	32
33	1.1852	85.361	1.2047	88,028	1.2222	90.750	1.2407	93.528	1.2593	96.361	
	1.2047	88.083	1.2222	90.778		93.528	1.2593		1.2778	99.194	
35	1.2222	90.861	1.2407	93.583	1.2593	96.361	1.2778	99.194	1.2963	102.083	35
6	1.2407	93.694	1.2593	96,444	1.2778	99.250	1.2963	102.111	1.3148	105.028	36
7	1.2593	96.583	1.2778	99.361	1.2963	102.194	1.3148	105.083	1.3333	108.028	37
8	1.2778	99.528	1.2963	102.333	1.3148	105.194	1.3333	108, 111	1.3519	111.083	38
9	1.2963	102.528	1.3148	105.361	1.3333	108.250	1.3519	111.194	1.3704	114.194	39
0	1.3148	105.583	1.3333	108.444	1.3519	111.361	1.3704	114.333	1.3889	117.361	40
1	1.3333	108.694	1.3519	111,583	1.3704	114.528	1.3889	117.528	1.4074	120.583	41
2	1.3519	111.861		114.778		117.750	1,4074	120.778	1.4259	123,861	42
3	1.3704	115.083				121.028		124.083			
		118.361						127.444	1.4630	130.583	44
		121.694				127.750	1.4630	130,861	1.4815	134.028	45
6	1.4259	125.083	1.4444	128, 111	1.4630	131.194	1.4815	134.333	1.5000	137.528	46
		128,528						137.861			
		132,028						141.444			
		135.583						145.083			
		139.194									
-					-				-		-
. 1		31	2	12		33		34	2	5	1

	3	6	3	7	3	8	3	9	4	0	
Feet.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Feet.
0	. 6667	36.000	. 6852	38.028	.7037	40.111	.7222	42.250	.7407	44.444	0
1	. 6852	37.028	.7037	39.083	.7222	41.194	.7407	43.361	.7593	45.583	1
2	.7037	38.111	.7222	40.194	.7407	42.333	.7593	44.528	. 7778	46.778	2
3	.7222	39.250	.7407	41.361	.7593	43.528	.7778	45.750	.7963	48.028	1
4	.7407	40.444	.7593		.7778	44.778	.7963	47.028	.8148	49.333	4
5	.7593	41.694	.7778		.7963	46.083	.8148	48.361	. 8333	50.694	
6	.7778	43.000	.7963		.8148	47.444	. 8333	49.750	.8519	52.111	
7	.7963	44.361		46.583	. 8333	48.861	. 8519	51.194	.8704	53.583	
8	.8148	45.778	. 8333		.8519	50.333	.8704	52.694	. 8889	55.111	
9	. 8333	47.250	.8519	49.528	.8704	51.861	.8889	54.250	.9074	56.694	
0	.8519	48.778	.8704	51.083	.8889	53.444	.9074	55.861	.9259	58.333	100
1	.8704	50.361	.8889	52.694	.9074	55.083	.9259	57.528 59.250	.9444	60.028	
2	. 8889	52.000	.9074	54.361	.9259	56.778	.9444		.9630	61.778	1
13	.9074	53.694	. 9259	56.083	.9444	58.528	.9630	61.028	.9815	63.583	1-
4 5	.9259	55.444 $57.250$	.9444	57,861 59,694	.9630	60.333 $62.194$	1.0000	62.861 $64.750$	1.0000	65.444	
6	.9680	59.111	.9815	Market Control	1.0000	64.111	1.0185	1. S. C. C. S. C. A. J.	1.0370	69.333	1
		61.028		63.528			1.0370		1.0556	71.361	
7							1.0556	70.750		-73.444	
	1.0000	63.000		65.528		70.194	1.0741		1.0926		
	1.0185 1.0370	65.028 67.111		69.694	1.0556		1.0926	75.028		75.583 77.778	
- 1	1.0556		1.0741	71.861	1.0926	74.528	1.1111		1.1296	80.028	1
	1.0741	71.444		74.083	4 1 1 1 1 1 1 1	76.778	1.1296		1.1481	82.333	
	1.0926		1.1111		1.1296		1.1481	81.861		84.694	
	1.1111	76.000		78.694	1.1481		1.1667		1.1852	87.111	
	1.1296	78.361	1.1481	81.083			1.1852		1.2047	89.583	
901	1.1481	80.778	CACCO ACCOUNT	83.528			1.2047	STATE OF COLUMN	1.2222	92.111	1.
	1.1667	83.250			1.2047		1. 2222		The second second	94.694	
	1.1852		1.2047		1.2222		1.2407		1.2593	97.333	
	1.2047	88.361			1.2407		1.2593		1.2778		
	1.2222	91.000	100		1.2593			99.750			
1	1.2407	93.694	1.2593	96.583	1.2778	99.528	1.2963	102,528	1.3148	105.583	31
12	1.2593	96.444	1.2778	99.361	1.2963	102.333	1.3148	105.361			
								108.250			
		102.111		105,083	1.3333	108.111	1,3519	111.194	1.3704	114.333	34
								114.194			
6	1.3333	108.000	1.3519	111,028	1.3704	114.111	1.3889	117.250	1.4074	120,444	3
		111.028						120.361			
								123.528			
								126.750			
		120.444				126.778			1.4815		
1	1.4259	123.694	1.4444	126.861	1.4630	130.083	1.4815	133.361	1.5000	136.694	4
					1.4815	133.444	1.5000	136,750	1.5185	140.111	45
3	1.4630	130.361	1.4815	133.583	1.5000	136.861	1.5185	140.194	1.5370	143.588	4
								143.694			
								147.250			
6	1.5185	140.778	1.5370	144.083				150.861			
		144.361						154.528			
						154.778	1.6111	158.250	1.6296	161.778	48
19	1,5741	151.694	1.5926	155.083	1.6111	158.528	1.6296	162.028	1.6481	165.588	45
60	1,5926	155.444	1.6111	158.361	1.6296	162.333	1.6481	165.861	1.6667	169.444	5
		6		7	3	0		39		10	1

	4	1	4	2	4	3	4	4	4	5	F
Feet.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Feet.
0	.7593	46.694	.7778	49.000	.7963	51.361	.8148	53.778	. 8333	56.250	0
1	.7778	47.861	.7963	50.194	.8148	52.583	.8333	55.028	.8519	57.528	
2	.7963	49.083	.8148	51.444	.8333	53,861	.8519	56.333	.8704	58,861	2
3	.8148	50.361	. 8333	52.750	.8519	55,194	.8704	57.694	.8889	60,250	
4	.8333	51.694	.8519	54.111	.8704	56.583	.8889	59.111	.9074	61.694	
5	.8519	53.083	.8704	55.528	.8889	58.028	.9074	60,583	.9259	63,194	
6	.8704	54.528	.8889	57.000	.9074	59.528	. 9259	62.111	.9444	64.750	
7	.8889	56.028	.9074	58.528	.9259	61.083	.9444	63.694	.9630	66.361	
8	.9074	57.583	.9259	60.111	.9444	62.694	.9630	65,333	.9815	68.028	
9	.9259	59.194	.9444	61.750	.9630	64.361	. 9815	67.028	1.0000	69.750	
10	.9444	60.861	.9630	63.444	.9815	66.083	1.0000	68.778	1,0185	71.528	1
1	.9630	62.583	.9815	65.194	1.0000	67.861	1.0185	70.583	1.0370	73.361	1
12		64.361	1.0000	67.000	1.0185	69,694	1.0370	72.444	1.0556	75.250	1:
	1.0000	66.194	1.0185	68.861	1.0370	71.583	1.0556	74.361	1.0741	77.194	13
	1.0185		1.0370	70.778	1.0556	73.528	1.0741		1.0926	79.194	
	1.0370	70.028	1.0556	72.750	1.0741	75.528	1.0926	78,361	1.1111	81.250	1
6	1.0556	72.028	1.0741	74.778	1.0926	77.583	1.1111	80.444	1.1296	83, 361	1
	1.0741		1.0926	76.861		79.694	A TO SECOND	82.583	1,1481	85.528	1
	1.0926	76.194		79.000	1.1296	81.861		84.778		87.750	1
	1.1111		1.1296	81.194	a charles		1.1667		1.1852	90.028	
	1.1296	80.583		83.444	1.1667	86,361		89.333	1.2047	92.361	2
	0.72.3364		1.1667	85.750	1.1852	88.694	L. Taracca	91 694	1.2222	94.750	2
	1.1481		1.1852	88.111			1.2222	94.111		97.194	
	1.1852		1.2047		1,2222	93.528			1.2593		
	1.2047		1.2222		1.2407	96.028	1 to 1 to 1 to 1 to 1 to 1	14 2 3 3 3 3 3		102.250	1 -
	1.2222	92.528			1.2593					104.861	
	No. of the latest and			98,111	110000000000000000000000000000000000000	101.194				107.528	
	1.2407	95.085	1.2593	100.750							
57	1.2593	100 901	1 9069	103.444	1 2148	106 599	1 2222	109 778	1 8519	113 028	9
88	1.2778	100.001	1 9149	106.194	1 2222	100.000	1 2510	119 588	1 3704	115 861	9
9	1 2140	105.000	1 9999	109.000	1 2519	119 104	1 3704	115 444	1 3889	118 750	3
	0.75.0000	414.4	12000	THE RESERVE OF THE PARTY OF THE							
		108.694								121.694	
		111.583				118.028				124.694	
		114.528								127.750	
				120.778						130.861 $134.028$	
		7-17-17	100	123.861	D. C. C. C.	127.194			Print 2 10 COM		1
				127.000	1.4630	130.361		133.778		137.250	
		126.861		130.194						140.528	
			1.4815	133,444	1.5000	136.861				143.861	
		133.361		136.750	1.5185	140.194	1.5370	143.694	1.5556	147.200	4
0	1.5000	136.694		140.111	1 1 2 2 2 2 1	managed to the	200			150.694	
1	1.5185	140.083	1.5370	143.528	1.5556	147.028	1.5741	150.583		154.194	
			1.5556	147.000	1.5741	150,528	1.5926	154, 111	1.6111	157.750	4
		147.028	1.5741	150.528	1.5926	154.083	1.6111	157.694	1.6296	161.361	4
		150.583	1.5926	154.111	1.6111	157.694	1.6296	161.333	1.6481	165.028	4
5	1.5926	154.194		157.750							
6	1.6111	157.861	1.6296	161.444	1.6481	165.083	1.6667	168.778	1.6852	172.528	4
7	1.6296	161.588	1.6481	165.194	1.6667	168.861	1.6852	172.583	1.7037	176.361	4
		165.361	1.6667	169.000	1.6852	172.694	1.7037	176.444	1.7222	180.250	4
9	1 6667	169, 194	1.6852	172.861	1.7037	176.583	1.7222	180.361	1.7407	184.194	4
0	1.6852	173.083	1.7037	176.778	1.7222	180.528	1.7407	184.333	1.7593	188.194	5
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-1		1		2		3	1 4	4	1	5	1

TABLE LIV.—BASE 1.—SLOPES 21 to 1.

1	4	6	4	7	4	8	4	9	5	0	Г
	Mult	Aái	Mult.	Add	Mult	A4L	Mult.	Add.	Mult.	Add	Prof.
	. #509	54.774		61.861		64,000		66.695		69.444	1
?		Gu, in-		62.674		65.861		68.083	.9444	70.861	
- 1	. 6000	61.444		64.0ek		66.775		69.526		72,333	
8;	9:74	62.60		65,528		68.250	. 9680	71.028		73.861	
4.		64,884		68.583		71.861			1.0000		
1									The second	20000	1
9.		67.445		79.194					1.0570		
11.			1.0090			74.694		77.558			
5	1.0185		1.6570					79.361			
	1.9579			77.194							
			1.0741						C 10000		1
	1.0556			\$1.02k				85.028			
				63.02							
				85.068					1.1852		
	1.1296			87.194				93.361		96.528	
6	1.1481	AG 222	1.1667	89.361	1.1659				1.2222	Company of the control	
				91.583							
				93,861							
	1.2047	93.083	1.2222	96.194	1.2497	99.361	1.2593	102.583	1.2778	105.861	1
19	1.2222	95.444	1.2467	98.583	1.2595	101.778	1.2778	105,028	1.2963	108.333	2
11	1.2197	97.861	1.2593	101.028	1.2778	104.250	1.2963	107.528	1.3148	110.861	2
				103.528							
				106.063							
24	1.2968	195.444	1.3148	108.694	1.3333	112,000	1.3519	115.361	1.3704	118.778	2
15	1.3148	108.083	1.3333	111.361	1.3519	114.694	1.3704	118.083	1.3889	121.528	2
98	1.3333	110.778	1.3519	114.083	1.3794	117.444	1.3889	120.861	1.4074	124.333	2
				116.861							
				119.694							
				122.583							
- 1				125.528					Section 1997	2224	т.
				128.528							
				131.583							
				134.694							
				137.861 141.083							
- 4					T.		1			0.00	
				144.361							-
				147.694 151.083							
				154.528							
				158.028							
				161.583	3		1		100000000000000000000000000000000000000	0.000	T.
				165.194							
				168,861							
				172.583							
				176.361							
16	1.7037	176. 333	1.7222	180, 194	1.7407	184, 111	1.7593	188,083	1.7778	192, 111	14
				184.083							
18	1.7407	184.111	1.7593	188.028	1.7778	192.000	1.7963	196.028	1.8148	200.111	4
				192.028							
50	1.7778	192,111	1.7963	196.083	1.8148	200.111	1.8333	204.194	1.8519	208.333	5
		C		17		0		10		0	1
-1	4	16	1 4	17	4	8	1 4	9	5	0	1

TABLE LV.—BASE 1.—SLOPES  $2\frac{1}{2}$  to 1.

1		1		2	1 13	3		4		5	
1000	Mult.	Add.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Poor
0	.0185	0.031	.0370	0.123	. 0556	0.278	.0741	0.494	.0926	0.772	-
1	.0370	0.093	.0556	0.216	.0741	0.401	.0926	0.648	.1111	0.957	1
2	.0556	0.216	.0741	0.370	.0926	0.586	.1111	0.864	.1296	1.204	1
3	.0741	0.401	.0926	0.586	.1111	0.833	.1296	1.142	.1481	1.512	
4	.0926	0.648	.1111	0.864	.1296	1.142	.1481	1.481	.1667	1.883	١.
5	.1111	0.957	.1296	1.204	.1481	1.512	.1667	1.883	.1852	2.315	
6	.1296	1.327	.1481	1.605	.1667	1.944	.1852	2.346	. 2037	2.809	1
7	.1481	1.759	. 1667	2.068	.1852	2.438	.2037	2.870	.2222	3.364	l
8	.1667	2.253	. 1852	2.593	.2037	2.994	. 2222	3.457	. 2407	3.981	ł.
9	.1852	2.809	.2037	3.179	.2222	3.611	.2407	4.105	.2598	4.660	ľ
ol	.2037	3.426	. 2222	3.827	.2407	4.290	2593	4.815	.2778	5.401	
-1	. 2222	Section 10 and 10	1 15 5 to 5 to 1	CONT. CO.	N. W. Carrier S.	min 44 74	200	0.00			
1		4.105	.2407	4.537	.2593	5.031	.2778	5.586	.2963	6.204	
2	.2407	4.846	. 2598	5.309	.2778	5.833	. 2963	6,420	.3148	7.068	
3	.2593	5.648	.2778	6.142	. 2963	6.698	.3148	7.815	. 3333	7.994	
4	.2778	6.512	. 2963	7.037	.3148	7.623	. 3333	8.272	.3519	8.981	
5	. 2963	7.438	.3148	7.994	. 3333	8,611	.3519	9.290	.3704	10.031	1
Б	.3148	8.426	. 3333	9.012	.3519	9.660	.3704	10.370	.3889	11.142	b
7	. 3333	9.475	.3519	10.093	.3704	10.772	.3889	11.512	.4074	12,315	1
8	.3519	10.586	.3704	11.235	.3889	11.944	.4074	12.716	.4259	13.549	
9	.3704	11,759	. 3889	12.438	.4074	13.179	.4259	13.981	.4444	14,846	
þ	. 3889	12.994	.4074	13.704	. 4259	14.475	.4444	15.309	.4630	16.204	
1	.4074	14.290	.4259	15.031	.4444	15.833	.4630	16.698	.4815	17.623	г
2	.4259	15.648	.4444	16.420	.4630	17.253	.4815	18.148			
3	.4444	17.068	.4630	17.870	.4815	18.735	.5000	19.660	.5000	19.105	
4	.4630	18.549	.4815	19.383	.5000		.5185		.5185	20.648	
5	.4815	20.093	.5000	20.957		20.278		21.235	.5370	22.253	
м.	11.57 (2004)	Jan 1 3 Jan 1 11	1,10,000,000,000	Units 6 (CAV)	.5185	21.883	,5370	22.870	.5556	28.920	1
6	.5000	21.698	.5185	22.593	.5370	23.549	.5556	24.568	.5741	25.648	
7	.5185	23.364	.5370	24.290	.5556	25.278	.5741	26.327	.5926	27.438	
8	.5370	25.093	.5556	26.049	.5741	27.068	. 5926	28.148	.6111	29.290	
9	.5556	26.883	.5741	27.870	.5926	28.920	.6111	30.031	. 6296	31.204	
0	.5741	28.735	.5926	29.753	,6111	30.833	. 6296	31.975	. 6481	33.179	4
1	.5926	30.648	.6111	31.698	. 6296	32.809	. 6481	33.981	. 6667	35.216	
2	.6111	32.623	.6296	33,704	. 6481	34.846	. 6667	36,049	. 6852	37.315	
3	. 6296	34.660	.6481	35.772	.6667	36.944	. 6852	38,179	.7037	39.475	
4	. 6481	36.759	.6667	37.901	.6852	39.105	.7037	40.370	.7222	41.698	
5	. 6667	38,920	. 6852	40.093	.7037	41.327	.7222	42.623	.7407	43.981	
6	. 6852	41,142	.7037	42.346	.7222	43.611	.7407	44.938	.7593	46.327	1
7	.7037	43.426	.7222	44.660	.7407	45.957	.7598	47.315	.7778	48.735	
8	.7222	45.772	.7407	47.037	.7593	48.364	.7778	49.753	.7963	51.204	
9	.7407	48,179	.7593	49.475	.7778	50.883	.7963	52.253	.8148	58.785	
ol	.7593	50.648	.7778	51.975	.7963	53.364	.8148	54.815	.8333	56.327	
ъ.		100 1000			200 0000	1. 1. 1. 1. 1. 1. 1. 1.			100000		п
1	.7778	53.179	.7963	54.537	.8148	55.957	.8333	57.438	.8519	58,981	
2	. 7963	55.772	.8148	57.160	. 8333	58.611	.8519	60.123	.8704	61.698	
3	,8148	58.426	.8333	59.846	.8519	61.327	.8704	62.870	.8889	64.475	
4	.8333	61.142	.8519	62.598	.8704	64.105	.8889	65.679	.9074	67.315	
5	.8519	63,920	.8704	65.401	.8889	66.944	.9074	68.549	.9259	70.216	4
6	.8704	66.759	.8889	68.272	.9074	69.846	.9259	71.481	.9444	73, 179	4
7	. 8889	69.660	.9074	71.204	.9259	72.809	.9444	74.475	.9630	76.204	
8	.9074	72.623	.9259	74.198	.9444	75.833	.9630	77.531	.9815	79.290	
9	.9259	75.648	.9444	77.253	.9630	78,920	.9815	80.648	1.0000	82.438	
0	.9444	78.735	.9630	80.370	.9815	82.068		83.827	1.0185	85.648	
-	- 4			A 5-27		-7-25	4 7 7 7	17.14			Ĺ
1		1		2		3		1			ľ

TABLE LV._BASE 1._SLOPES 21 to 1.

	6	;	;	7	1	3		9	1	0	П
ī	Muk	Add.	Mak.	Add	Mak.	Add	Mult.	Add	Mult.	Add	ž
		1.111		1.512	. 1481	1.975	. 1667	2.500 2.809	. 1852 . 2037	3.086 3.426	, ,,
1 2	.1295	1.327 1.695	.1481	1.759 2.068	. 1667 . 1852	2.253 2.593	. 1852 . 2037	3.179		3. <del>120</del> 3. <del>120</del>	
3		1.944	. 1852	2.438	. 2037	2.994	.2222	3.611		4.290	
4	.1852	2.346	. 2037	2.870	. 2222	3.457	. 2407	4.105	. 2593	4.815	
5	.2037	2.809	.2222	3.361	. 2407	3.981	2593	4.660		l .	1 - 1
6	. 2222	3.333	.2407	3.920	. 2593	4.568		5.278		6.049	
8	. 2407	3.920 4.568		4.537 5.216	. 2778 . 2963	5.216 5.9 <del>2</del> 6	. 2963 . 3148	5.957 6.698		6.759 7.531	
ŝ	.2778	5.278	. 2963	5.957	. 3148	6, <b>6</b> 98		7.500		8.364	
10		6.049	.3148	6.759		7.531		8.364		9.259	
11	.3148	6.883	. 3333	7.623	. 3519	8.426	.3704	9.290	.3889	10.216	11
12		7.778	.3519	8.549	. 3704	9.383		10.278		11.235	12
13	.3519	8.735	.3704	9.537	. 3889	10.401	.4074	11.327			
14	.3704	9.753	.3889	10.586	.4074	11.481		12.438			
15	.3889	10.833	.4074	11.698	. 4259	12.623	.4111	13.611	. 4630		
16		11.975		12.870	.4444	13.827	.4630	14.846			
17 18	. 4259 . 4114	13.179	. <del>4141</del> . 4630	14.105 15.401	. 4630	15.093		16.142 17.500			
19	. 4630	14.444· 15.772	.4815	16.759		16.420 17.809	.5185	17.500 18.9 <del>2</del> 0	.5370	18,642 20,093	
20	. 4815	17.160		18.179		19.259	.5370	20.401			
21	.5000	18.611	.5185	19.660	: 1	20.772	. 5556	21.944	.5741		
22	.5185	20.123	.5370	21.204		22.346		23.549	.5926	24.815	
23	. 5370	21.698	.5556	22.809		23.981					
24	. 5556	23.333		24.475	. 5926	25.679	.6111	26.944	. 6296	28.272	24
25	.5741	25.031	.5926	26.204	.6111	27.438	. 6296	28.735	. 6481	30.093	25
26	. 5926	26.790		27.994		29.259	. 6481	30.586	. 6667		
27	.6111	28.611		29.846		31.142	. 6667	32.500			
28		30.494	.6481	31.759		33.086		34.475	.7037		
29 30	. 6481 . 6667	32.438 34.444	.6667 .6852	33.735 35.772		35.093 37.160		36.512 38.611	. 7 <del>222</del> . 7407		
			1 1				1		,		
31 32	. 685 <del>2</del>	36.512 38.642	.7037	37.870 40.031	.7222 .7407,	39.290 41.481	.7407 .7593	40.772 42.994	.7593 .7778		
33	.7222	40.333	.7407	42.253		43.735		45.278		46.883	
34	.7407	43.086	.7593	44.537	.7778	46.049	. 7963	47.623	.8148		
35	. 7593	45.401	.7778	46.883	. 7963	48.426	.8148	50.031	. 8333	51.698	35
36	.7778	47.778	. 7963	49.290	. 8148	50.864	. 8333	52.500	.8519	54.198	36
37	. 7963	50.216	.8148	51.759	. 8333		. 8519	55.031	.8704	56.759	37
38	.8148	52.716	. 8333	54.290		55.926	.8704	57.623	.8889		
39	.8333	55.278	.8519	56.883		58.549	.8889	60.278		62.068	
40		57.901	.8704	59.537		61.235	.9074	62.994	.9259	64.815	
41 42	.8704	60.586	.8889	62.253	.9074	63.981	. 9259	65.772	.9444	67.623	
42 43	.8889	63.333 66.142	.9074 .9259	65.031 67.870	.9259	66.790 69.660	.9444	68.611 71.519	.9630 .9815	70.494 73.426	
44	.9259	69.012	.9444	70.772	. 9630	72.593	.9815		1.0000	76.420	
45	.9444	71.944	.9630	73.735	.9815		1.0000		1.0185	79.475	
46	.9630	74.938	.9815		1.0000	78.642		80.586	•	82,593	
47	.9815	77.994			1.0185	81.759		83.735		85.772	
	1.0000	81.111	1.0185	82.994	1.0370	84.938	1.0556	86.944	1.0741	89.012	48
	1.0185	84.290			1.0556		1.0741		1.0926	92.315	
50	1.0370	87.531	1.0556	89.475	1.0741	91.481	1.0926	93.549	1.1111	95.679	50
	6	3		7	8	3		•	1	0	

TABLE LV.—BASE 1.—SLOPES  $2\frac{1}{2}$  to 1.

	1	1	1	2	- 1	13	1	14		15	
Feet.	Mult.	Add.	Mult.	Add	Mult.	Add.	Mult.	Add.	Mult.	Add.	Poet,
0	. 2037	3.735	. 2222	4.444	.2407	5.216	. 2593	6.049	.2778	6.944	0
1	. 2222	4.105	.2407	4.846	.2593	5.648	.2778	6.512	.2963	7.438	
2	. 2407	4.537	.2593	-5.309	.2778	6.142	. 2963	7.037	.3148	7.994	
3		5.031	.2778	5.833	. 2963	6.698	.3148	7.623	.3333	8.611	
4	.2778	5.586	. 2963	6.420	.3148	7.315	.3333	8.272	.3519	9.290	
5	. 2963	6.204	.3148	7.068	.8333	7.994	.3519	8.981	.3704	10.031	
6	.3148	6.883	. 3333	7.778	. 3519	8.735	.3704	9.753	.3889	10.833	
7	. 3333	7.623	.3519	8.549	.8704	9.537	.3889	10.586	.4074	11.698	
8	.3519	8.426	.3704	9.383	.3889	10.401	.4074	11,481	.4259	12.623	
	.3704	9.290	.3889	10.278	.4074	11.327		12.438			
9	.3889	10.216	.4074	11.235	.4259	12.315	.4259	13.457	.4444	13,611 14,660	
0	0.000	The second second	1.00	100000000	07/10/07	1 September 198	15/7224	Marine Barrier	the refer policy	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1
1	.4074	11.204	.4259	12.253	.4444	13.364	.4630	14.537	.4815	15.772	
2	.4259	12.253	.4444	13.333	.4630	14.475	.4815	15.679	.5000	16.944	
3	.4444	13.364	.4630	14,475	.4815	15.648	.5000		.5185	18.179	
4	.4630	14,537	.4815	15.679	.5000	16,883	.5185	18.148	.5370	19.475	14
5	.4815	15.772	.5000	16.944	.5185	18,179	.5370	19.475	.5556	20.833	15
6	.5000	17.068	.5185	18.272	.5370	19,537	.5556	20.864	.5741	22.253	16
7	.5185	18.426	.5370	19.660	.5556	20.957	.5741	22.315	.5926	23.735	
8		19.846	.5556	21.111	.5741	22.438	.5926		.6111	25.278	
9	.5556	21.327	.5741	22.623	.5926	23.981	.6111	25,401	.6296	26.883	
0		22.870	.5926	24.198	. 6111	25.586	. 6296		.6481	28.549	
1	.5926	1979	40.00	25.833	.6296	27.253	100000000000000000000000000000000000000	28.735	100000000000000000000000000000000000000	Maria de la companya della companya	
		24.475	.6111				. 6481		. 6667	30.278	
2		26.142	.6296	27.531	. 6481	28.981	. 6667	30.494	. 6852	32.068	
3		27.870	. 6481	29,290	.6667	30.772	. 6852	32,315	.7037	33.920	
4	. 6481	29,660	.6667	31,111	. 6852	32.623	.7037	34.198	.7222	35.833	
5	,6667	31.512	. 6852	32,994	.7037	34.537	.7222	36 142	.7407	37.809	25
6	. 6852	33.426	.7037	34.938	.7222	36.512	.7407	38.148	.7593	39.846	26
7	.7037	35.401	.7222	36.944	.7407	38.549	.7593	40.216	.7778	41.944	27
8	.7222	37.438	.7407	39.012	.7593	40.648	.7778	42.346	.7963	44.105	28
9	.7407	39.537	.7593	41.142	.7778	42.809	.7963	44.537	.8148	46.327	29
0	.7593	41.698	.7778	43.333	.7963	45.031	.8148	46.790	,8333	48.611	
1	.7778	43.920	. 7963	45.586	.8148	47.315	. 8333	49.105	.8519	50.957	91
2	.7963	46.204	.8148	47.901	.8333	49.660			.8704	53.364	
3			.8333		.8519	52.068	. 8519	51.481		55.833	
		48.549		50.278			.8704	53.920	.8889		
4	.8333	50.957	.8519	52.716	.8704	54.537	.8889	56.420	.9074	58.364	
5	.8519	53,426	.8704	55.216	.8889	57.068	.9074	58,981	.9259	60.957	
6	.8704	55.957	.8889	57.778	.9074	59.660	.9259	61.605	.9444	63.611	
7	.8889	58.549	.9074	60.401	.9259	62.315	.9444	64.290	.9630	66.327	37
8	.9074	61.204	.9259	63.086	.9444	65.031	.9630	67.037	.9815	69.105	38
9	. 9259	63.920	.9444	65.833	.9630	67.809	.9815	69.846	1.0000	71.944	39
0	.9444	66.698	.9630	68.642	.9815	70.648	1.0000	72.716	1.0185	74.846	40
1	.9630	69.537	.9815	71.512	1.0000	73.549	1.0185	75.648	1.0370	77.809	41
2	.9815	72.438	1.0000	74.444	1.0185	76.512	1.0370	78.642	1.0556	80.833	
	1.0000	75.401	1.0185	77.438		79.537	1.0556			83.920	
	1.0185	78.426	1.0370		1.0556	82.623	1.0741		1.0926	87.068	
	1.0370	81.512	1.0556		1.0741		1.0926			90.278	
31	B 15 to 10 dec	1100	137 3 40		11 15 17 17 1	13-34 1950 1	100	1.5	A A A	Laborator College	THE S
	1.0556	84.660			1.0926	88.981	1.1111		1.1296	93.549	
	1.0741	87.870	1,0926	90.031	1.1111	92.253	1.1296			96.883	
	1.0926	91.142	1.1111	93.333	1.1296	95.586	1.1481			100.278	
	1.1111	94.475			1.1481	98.981		101.327			
0	1,1296	97.870	1.1481	100.123	1.1667	102,438	1.1852	104.815	1.2047	107.253	50
	1	1	1	2	1	3	1	4	1	5	

		16	1	7	1	8	1	9	2	80	
Feet.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Feet.
0	. 2963	7.901	.3148	8,920	. 3333	10.000	.3519	11.142	.3704	12.346	0
1	.3148	8.426	.3333	9.475	. 3519	10.586	.3704	11.759	.3889		1
2	. 3333		. 3519	10.093	.3704	11.235	.3889	12.438	.4074	13.704	2
3			.3704	10.772	.3889	11.944	.4074	13.179	.4259	14.475	
4	.3704		.3889	11.512	.4074	12.716	.4259	13.981	.4444	15.309	
5	.3889	11.142	.4074	12.315	.4259	13.549	.4444	14,846	.4630	16.204	5
6	.4074	11.975	.4259	13.179	.4444	14.444	.4630	15.772	.4815	17.160	6
7	.4259	12.870	.4444	14.105	.4630	15.401	.4815	16.759	.5000	18.179	7
8	.4444	13.827	.4630	15.093	.4815	16.420	.5000	17.809	.5185	19.259	8
9	.4630	14.846	.4815	16.142	.5000	17.500	.5185	18.920	.5370	20.401	9
0	.4815	15.926	.5000	17.253	.5185	18.642	.5370	20.093	.5556	21.605	10
1	.5000	17.068	.5185	18,426	.5370	19.846	. 5556	21.327	.5741	22.870	11
2	.5185		.5370	19.660	.5556	21,111	.5741	22.623	.5926		
3			. 5556	20.957	.5741	22.438	.5926	23.981	.6111	25.586	
4			.5741	22,315	.5926	23.827	.6111	25.401	.6296		
5	.5741		.5926	23.735	.6111	25.278	. 6296		. 6481	28.549	
6	15000		.6111	25.216	.6296	26.790	. 6481	28.426	.6667	30.123	
7	.6111	25.216	.6296		.6481	28.364	.6667	30.031	.6852	The same of the sa	
8	. 6296		.6481	28.364	.6667	30,000	.6852	31.698	.7037	33.457	
9	.6481	28.426	.6667	30.031	.6852	31,693	.7037	33.426	.7222	35.216	
0			.6852	31.759	.7037	33.457	.7222	35.216	.7407		
	The same of	A - 15.00	A GALLERY		N 2 650	0.000			0.000	1273-659	200
1	.6852		.7037	33.549	.7222	35,278	.7407	37.068	. 7593		
2	.7037	33.704	. 7222	35.401	.7407	37,160	.7593	38.981	.7778		
3			.7407	37.315	.7593	39,105	.7778	40.957	.7963		
4	.7407	37.531	.7593	39.290	.7778	41,111	.7963	42.994	.8148		
5	11 12 2 2 2 2	14 TO 1 TO 1 TO 1	.7778	41.327	.7963	43.179	.8148	45.093	.8333	100000000000000000000000000000000000000	1
6		41.605	.7963	43,426	.8148	45.309	. 8333	47.253	.8519	49,259	
7	. 7963	43.735	.8148	45.586	. 8333	47.500	.8519	49.475	.8704		
8			. 8333	47.809	.8519	49.753	.8704		.8889		
19	.8333		.8519	50.093	.8704	52.068	.8889	54.105	.9074	56.204	
0	.8519	50.494	.8704	52.438	.8889	54.444	.9074	56.512	.9259	58.642	30
1	.8704	52.870	.8889	54.846	.9074	56,883	.9259	58,981	.9444	61.142	31
2	.8889	55.309	.9074	57.315	.9259	59.383	.9444	61.512	.9630	63.704	32
3	.9074	57.809	.9259	59.846	.9444	61.944	.9630	64, 105	.9815	66.327	33
4	.9259	60.370	.9444	62.438	.9630	64.568	.9815	66.759	1,0000		
5	.9444	62.994	.9630	65.093	.9815	67.253	1.0000	69.475	1.0185	71.759	35
6	.9630	65.679	.9815	67,809	1.0000	70,000	1.0185	72.253	1.0370	74.568	36
7	.9815	68.426	1.0000	70.586	1.0185		1,0370		1.0556	77.438	
8	1,0000	71.235	1.0185	73.426	1.0370		1.0556	77.994		80.370	
	1.0185	74.105	1.0370	76.327	1.0556	78.611			1,0926		
0	1.0370	77.037	1.0556	79.290	1.0741	81.605	1.0926	83.981	1.1111	86.420	40
1	1.0556	80.031	1.0741	82.315	2000	84.660		87.068		89.537	41
	1.0741	83.086	1.0926	85.401			1.1296	90.216		92.716	
	1.0926				1.1296		1.1481	93.426		95.957	
	1.1111	89.383	1.1296	91.759		94.198		96.698		99.259	
	1,1296	92,623		95.031						102.623	
	1.1481	95.926	3.00	474			The state of	A STATE OF THE PARTY OF THE PAR		106.049	
	1.1467	99.290	1.1667							109.537	
		106.204								113.086 116.698	
		109.753									
10	1.2244	100.100	1.2407	112.010	1.2005	114. 958	1.2/18	117.023	1.2000	120.070	30
									-		
1.0		16 17		18		1	9	2	0		

TABLE LV.—BASE 1.—SLOPES 2½ to 1.

1	2	21	2	2	2	23	2	24	2	25	
Feet.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Peet.
0	. 3889	13,611	.4074	14,938	.4259	16.327	.4444	17.778	.4630	19.290	
1	.4074	14,290	.4259	15.648	.4444	17.068	.4630	18.549	.4815	20.093	
2	.4259	15,031	.4444	16.420	.4630	17.870	.4815	19.383	.5000	20.957	
3	. 4444	15.833	.4630	17.253	.4815	18,735	.5000	20.278	.5185	21.883	
4	.4630	16.698	.4815	18.148	. 5000	19.660	.5185	21.235	.5370	22.870	
5	.4815	17.623	.5000	19.105	.5185	20.648	.5370	22.253	1.000	23.920	1 -
6	.5000	18.611	.5185	20.123	.5370	21.698	.5556	28,833	.5741	25.031	
7	.5185	19.660	.5370	21.204	.5556	22.809	.5741	24.475	.5926	26.204	
8	.5370	20.772	.5556	22.346	.5741	23.981	.5926	25.679	.6111	27.438	
9	.5556	21.944 $23.179$	.5741	23.549 24.815	.5926	25.216 26.512	.6111	26.944 28.272	.6296	28.735	
-1	240 20 20 20	1000	0.600.004	Contract of the	TO SECURE	27.870	Sec. 10.		The second	30.093	
1	. 6111	24:475 25.833	.6111	26.142 $27.531$	.6296	29.290	.6481	29.660 31.111	.6667	81.512	
2	.6296	27.253	.6481	28.981	.6667	30.772	.6667	32.623	.6852	32.994	
3	. 6481	28.735	.6667	30.494	. 6852	32.315	.6852	34.198	.7037	34.537	
4 5	.6667	30.278	.6852	32 068	.7037	33.920	.7222	35.833	.7222	36.142 37.809	
6	. 6852	31.883	.7037	33.704	.7222	35.586	.7407	87.531	.7593		100
7	.7037	33.549	.7222	35.401	.7407	37.315	.7593	89.290		39.537	
8	.7222	35.278	.7407	37.160	.7593	39.105	.7778	41.111	.7778	41.327	
9	.7407	37.068	.7593	38.981	.7778	40.957	.7968	42.994	.8148	43.179	
0	.7593	38.920	.7778	40.864	.7963	42.870	.8148	44.938	.8333	47.068	
1	.7778	40.833	.7963	42.809	.8148	44.846	.8333	46.944	.8519	49.105	100
2	. 7963	42.809	.8148	44.815	.8333	46.883	.8519	49.012	.8704	51.204	
3	.8148	44.846	.8333	46.883	. 8519	48.981	.8704	51.142	.8889	53.364	
4	.8333	46.944	.8519	49.012	.8704	51.142	.8889	53.333	.9074	55.586	
5	.8519	49.105	.8704	51.204	.8889	53.364	.9074	55.586	.9259	57.870	
6	.8704	51.327	.8889	53.457	.9074	55.648	.9259	57.901	.9444	60.216	26
7	.8889	53.611	.9074	55.772	.9259	57.994	.9444	60.278	.9630	62.623	
8	.9074	55.957	.9259	58.148	.9444	60.401	.9630	62.716	.9815	65.093	
9	.9259	58.364	.9444	60.586	.9630	62.870	.9815	65.216	1.0000	67.628	29
0	.9444	60.833	.9630	63.086	.9815	65.401	1.0000	67.778	1.0185	70.216	30
1	.9630	63.364	.9815	65.648			1.0185	70.401	1.0370	72.870	31
2	.9815	65.957	1.0000	68.272			1.0370	73.086	1.0556	75.586	
	1.0000	A 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1.0185		1.0370	73.364		75.833		78.364	
	1.0185		1.0370	73.704			1.0741	78.642	1.0926	81.204	
64	1.0370	74.105	V2-1-02-2	76.512		78.981	1.0926	81.512	1.1111	84.105	35
	1.0556		1.0741	79.383		81.883	1.1111		1.1296	87.068	
	1.0741	79.846	1.0926	82.315		84.846	1.1296	87.438	1.1481	90.093	
	1.0926	82,809	1.1111	85.309	20 10 aug 1	87.870	1.1481	90.494	1.1667	93.179	
	1.1111		1.1296	88,364		90.957		93.611	1.1852	96.327	
51	1.1296	88.920	1.1481	91.481	30,000	94.105	1.1852	96.790	1,2047	99.537	
	1.1481	92.068	1.1667	94.660				100.031		102.809	
-	1.1667					100.586					
	1.1852	98, 949	1.2047	101.204	1.2222	103.920	1.2407	106.698			
		101.883								112.994	
	P 4 P 1 P 1	105.278	20 m	1000 A 1000	0.000000	MA JOHN VIOLEN	Sales in pro-	1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	Park of the Park of	116.512	
		108.735									
		112.253									
		115.833									
0	1.3148	119.475 $123.179$	1.3333	126.049	1.3519	128, 981	1.3704	131.975	1.3889	135.031	50
				20.010			-,,,,,,	2	2.000		-
1		1	2	0		3		4		5	

	2	26	2	27	2	8	2	29	3	0	
Feet.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Feet.
0	.4815	20,864	.5000	22.500	.5185	24.198	.5370	25.957	.5556	27.778	0
1	.5000	21.698	.5185	23.364	.5370	25.093	. 5556	26.883	.5741	28.735	1
2	.5185	22,593	.5370	24.290	.5556	26.049	.5741	27.870	.5926	29.753	2
3	.5370	23.549	.5556	25.278	.5741	27.068	.5926	28.920	.6111	30.833	3
4	.5556	24,568	.5741	26.327	.5926	28.148	.6111	30.031	.6296	31.975	4
5	.5741	25.648	.5926	27.438	. 6111	29.290	.6296	31.204	. 6481	33.179	5
6	.5926	26.790	.6111	28.611	.6296	30.494	. 6481	32.438	.6667	34.444	6
7	.6111	27.994	.6296	29.846	.6481	31.759	.6667	33.735	. 6852	35.772	
8	. 6296	29,259	.6481	31.142	.6667	33.086	. 6852	35.093	.7037	37.160	9
9	.6481	30.586	. 6667	32.500 33.920	.6852	34.475 35.926	.7037	36.512 37.994	.7222	38.611 $40.123$	
10	. 6667	31.975	. 6852		1000000	10 E X 27	1400000	100000000000000000000000000000000000000	1000000		
11	. 6852	33,426	.7037	35.401	.7222	37.438	.7407	39.537	.7593	41.698	
12	.7037	34.938	.7222	36.944	.7407	39.012 40.648	.7593	41.142 42.809	.7778	43.333	
13	.7222	36.512	.7407	38.549 $40.216$	.7593 .7778	42.346	.7963	44.537	.8148	46.790	
14	.7407	38.148	.7593	41.944	.7968	44.105		46.327	.8333	48.611	
15	.7593	39.846	.7778	14.54 Prof. 14	100000		70.0	(1) april 1			1.2
16	.7778	41.605	.7963	43.735	.8148	45.926	.8333	48.179	.8519 .8704	50.494	
17	.7963	43.426	.8148	45.586 47.500	.8333	47.809 49.753	.8519	50.093 52.068		52.438 54.444	
18	.8148	45.309	.8333	49.475	.8704	51.759	.8889	54.105	.9074	56.512	
19 20	.8333	47.253	.8519	51.512	.8889	53.827	.9074	56.204	.9259	58.642	
	1000000	C. 1800 T. 1911	0.046.805	14 mm 1 m	7.50	1000000	.9259	58.364	.9444	60.833	10.00
21	.8704	51,327	.8889	53.611 55.772	.9074	55.957 58.148	.9259	60.586		63.086	
22	.8889	53.457	.9074	57.994	.9444	60.401	.9630	62.870		65.401	
23	.9074	55.648	.9259	60.278	.9630	62.716	.9815		1.0000	67.778	
24 25	.9259	57.901 60.216	.9630	62.623	.9815		1.0000	67.623		70.216	
		3500000	100,000	65.031	1.0000	ALCO LONG	1.0185	70.093	and the second second	72.716	100
26	.9630	62.593	.9815	67.500	1.0185		1.0370		1.0556	75.278	
27	.9815 1.0000	65.031 67.531	1.0000		1.0370		1.0556	75.216		77,901	
	1.0185	70.093	1.0370		1.0556		1.0741		1.0926	80.586	
	1.0370		1.0556	75.278	1.0741		1.0926	80.586		83.333	
	30.19564	75, 401	1.0741	77.994	1.0926	The state of	1.1111	83.364	1.1296	86,142	Vin.
	1.0556	78.148	1.0926	80.772	1.1111		1.1296		1.1481	89.012	
	1.0926	80.957	1.1111	83.611	1.1296		1.1481		1.1667	91.944	
	1.1111	83.827	1.1296	86.512	1.1481		1.1667		1.1852	94.938	34
	1.1296	86.759	1.1481	89.475	1.1667	92.253	1.1852	95.093	1.2047	97.994	35
	1.1481	89.753	22.22	92.500	1.1852	95.309	1.2047	98, 179	1.2222	101.111	36
	1.1667		1.1852		1.2047			101.327			
	1.1852	95 996	1 2047	98,785	1.2222	101,605	1.2407	104.537	1.2593	107.531	38
29	1 9047	99 105	1 2222	101.944	1.2407	104.846	1.2593	107.809	1.2778	110,833	39
40	1.2222	102.346	1.2407	105.216	1.2593	108, 148	1.2778	111.142	1.2963	114.198	40
41	1.2407	105.648	1.2593	108.549	1.2778	111.512	1.2963	114.537	1.3148	117.623	41
42	1 2593	109.012	1.2778	111.944	1.2963	114.938	1.3148	117.994	1.3333	121.111	42
43	1 9778	112 438	1 2963	115.401	1.3148	118.426	1.3333	121.512	1.3519	124.660	43
44	1.2963	115.926	1.3148	118.920	1.3333	121.975	1.3519	125.093	1.3704	128.272	44
45	1.3148	119.475	1.3333	122.500	1.3519	125.586	1.3704	128.735	1.3889	131.944	45
46	1.3333	123.086	1.3519	126.142	1.3704	129, 259	1.3889	132.438	1.4074	135.679	46
47	1 8519	126, 759	1.3704	129.846	1.3889	132.994	1.4074	136,204	1.4259	139.475	47
48	1.3704	130, 494	1.3889	133.611	1.4074	136.790	1.4259	140.031	1.4444	143.333	48
49	1.3889	134.290	1.4074	137.438	1.4259	140.648	1.4444	143,920	1.4630	147.253	50
50	1.4074	138.148	1.4259	141.327	1.4444	144,568	1.4630	147.870	1.4810	151,285	50
-								0	0	0	
	2	26	2	7	2	8	2	9	3	0	

	3	11	:	32		33	3	14		35	
Peet.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Fuet.
0 1 2	.5741 .5926 .6111	29,660 30,648 31,698	.5926 .6111 .6296	81.605 82.623 83.704	.6111 .6296 .6481	33,611 34,660 35,772	. 6296 . 6481 . 6667	35,679 36,759 37,901	. 6481 . 6667 . 6852	37.809 38.920 40.093	
3 4 5	.6296 .6481 .6667	32,809 33,981 35,216	.6481 .6667 .6852	34.846 36.049 37.315	. 6667 . 6852 . 7037	36.944 38.179 39.475	.6852 .7037 .7222	39.105 40.370 41.698	.7037 .7222 .7407	41.327 42.623 43.981	3 4 5
6 7 8 9	.6852 .7037 .7222 .7407 .7593	36.512 37.870 39.290 40.772	.7037 .7222 .7407 .7598	38.642 40.031 41.481 42.994	.7222 .7407 .7593 .7778	40.833 42.253 43.735 45.278	.7407 .7593 .7778 .7963	43.086 44.537 46.049 47.623	.7593 .7778 .7963 .8148	45.401 46.883 48.426 50.031	8 9
10 11 12 13 14	.7778 .7963 .8148 .8333	42.315 43.920 45.586 47.315 49.105	.7778 .7963 .8148 .8333 .8519	44.568 46.204 47.901 49.660 51.481	.7963 .8148 .8333 .8519 .8704	46.883 48.549 50.278 52.068 53.920	.8148 .8333 .8519 .8704 .8889	49.259 50.957 52.716 54.537	.8333 .8519 .8704 .8889	51.698 53.426 55.216 57.068	11 12 13
15 16 17	.8519 .8704 .8889	50.957 52.870 54.846	.8704 .8889 .9074	53.364 55.309 57.315	.8889 .9074 .9259	55.833 57.809 59.846	.9074 .9259 .9444	56.420 58.364 60.370 62.438	.9074 .9259 .9444 .9630	58.981 60.957 62.994 65.093	15 16 17
18 19 20 21	.9074 .9259 .9444 .9630	56.883 58.981 61.142 63.364	.9259 .9444 .9630	59.383 61.512 68.704 65.957	.9444 .9630 .9815	F-100 CO 1		64.568 66.759 69.012 71.327	1.0185	67.253 69.475 71.759 74.105	19 20
22 23 24	.9815 1.0000 1.0185 1.0370		1.0000 1.0185 1.0370	68.272 70.648 73.086	1.0185 1.0370 1.0556 1.0741	70.957 73.364 75.833	1.0370 1.0556 1.0741 1.0926	73.704 76.142 78.642	1,0556	76.512 78.981 81.512 84.105	22 23 24
27 28 29	1.0556 1.0741 1.0926 1.1111 1.1296	77.994 80.648	1.1296	80.772 83.457 86.204	1.0926 1.1111 1.1296 1.1481 1.1667	86.327	1,1296 1,1481 1,1667	89.259	1.1852	86.759 89.475 92.253 95.093 97.994	27 28 29
31 32 33 34	1.1481 1.1667 1.1852 1.2047	88.981 91.883 94.846 97.870	1.1667 1.1852 1.2047 1.2222	91.883 94.815 97.809 100.864	1.1852 1.2047 1.2222 1.2407	94.846 97.809 100.833 103.920	1,2047 1,2222 1,2407 1,2593	97.870 100.864 103.920 107.037	1.2222 1.2407 1.2593 1.2778	100.957 103.981 107.068 110.216	31 32 33 34
36 37 38	1.2407 1.2593 1.2778	104.105 107.315 110.586	1,2593 1,2778 1,2963	107.160 110.401 113.704	1.2778 1.2963 1.3148	107,068 110,278 113,549 116,883	1.2963 1.3148 1.3333	113,457 $116,759$ $120,123$	1,3148 1,3333 1,3519	116.698 120.031 123.426	36 37 38
40 41 42	1.3148 1.3333 1.3519	117,315 120,772 124,290	1.3333 1.3519 1.3704	120.494 $123.981$ $127.531$	1,3519 1,3704 1,3889	120.278 123.735 127.253 130.833 134.475	1.3704 1.3889 1.4074	127.037 130.586 134.198	1,3889 1,4074 1,4259	130,401 133,981 137,623	40 41 49
44 45 46	1.3889 1.4074 1.4259	131.512 $135.216$ $138.981$	1.4074 1.4259 1.4444	134.815 $138.549$ $142.346$	1,4259 1,4444 1,4630	138.179 141.944 145.772 149.660	1.4444 1.4630 1.4815	141.605 $145.401$ $149.259$	1.4630 1.4815 1.5000	145,093 148,920 152,809	44 45 46
48 49	1.4630	146.698	1.4815 $1.5000$	150.123 $154.105$	1.5000 1.5185	153.611 157.623	1.5185	157.160 $161.204$	1.5370	160.772 164.846	48

# TABLE LV._BASE 1._SLOPES 21 to 1.

	3	6	3	7	3	8	2	19	4	10	l
Feet	Mult.	Add	Mult.	Add	Mult.	Add.	Mult.	Add	Mult.	Add,	Foot.
0	.6667	40.000	.6852	42.253	.7037	44.568	.7222	46.944	.7407	49.383	
1	.6852	41,142	.7037	43,426	.7222	45,772	.7407	48.179	.7593	50.648	
2	.7037	42.346	.7222	44.660	.7407	47,037	.7593			51.975	
3	.7222	43,611	.7407	45.957	.7593		.7778		. 7963	53.364	
4	.7407	44.938	.7593	47.315	7778				.8148	54.815	
5	.7593	46.327	.7778	48.735	.7963	51.204	.8148	53.735	.8333	56.327	1
6	7778	47.778	. 7963	50,216	.8148	52.716	.8333	55.278	.8519	57.901	1 6
7	. 7963	49.290	.8148	51.759	. 8333	54.290	.8519	56.883	.8704	59.537	1 :
8	.8148	50.864	. 8333	53, 364	.8519	55.926	.8704	58.549	.8889	61.235	1 8
9	. 8333	52.500	.8519	55.031	.8704	57.623	.8889	60,278		62.994	
10	.8519	54.198	.8704	56.759	.8889	59.383	.9074	62.068	.9259	64,815	10
11	. 8704	55.957	.8889	58.549	.9074	61.204	.9259	63.920	.9444	66,698	11
12	.8889;			60.401	.9259	63.086		65.833	.9630	68.642	
13		59.660		62.315	.9444	65.031		67.809	.9815	70.648	
14			.9444				.9815			72.716	
5	.9141	63.611	.9630	66.327	.9815		1.0000			74.846	
	1000	V. T. L. L. V.	100	68.426	1000	71.235	1	74.105	100 100 100	77.037	11
6						73.426		76.327		79.290	
	.9815		1.0000:			75.679				81,605	
	1.0000		1.0185					80.957		83.981	
	1.0185		1.0370			ALEX PERM	1.0926	83.364		86,420	100
	1,0370	The second second		The second second			135 0.7.5	1000	0.50.555		1
21	1.0556		1.0741			82.809				88.920	
	1.0741		1.0926			85.309	100000			91.481	
	1.0926		1.1111					90.957		94.105	
	1.1111		1.1296				1.1667	93.611	The Carlotte Carlotte	96.790	
25	1.1296	87.068	1.1481	90.093	1.1667	93.179	1.1802		1.2047	99.537	
26	1.1481		1.16671							102.346	
27	1.1667		1.1852					101.944			
28	1.1852							104.846			
29	1,2047	98.179	1.2222	01.327	1.2407	104.537	1.2593	107.809	1.2778	111.142	2
30	1.2222	101.111	1.2407	104.290	1.2593	107.531	1.2778	110.833	1.2963	114, 198	3
31	1.2407	104.105	1.2593	107.315	1.2778	110.586	1.2963	113.920	1.3148	117.315	3
32	1.2593	107.160	1.2778	10.401	1.2963	113.704	1.3148	117.068	1.3333	120,494	35
								120.278			
34	1,2963	113.457	1.3148	16.759	1.3333	120.123	1.3519	123.549	1.3704	127.037	3
35	1.3148	116.698	1.3333	20.031	1.3519	123.426	1.3704	126.883	1.3889	130.401	3
26	1 2222	120,000	1.3519	23.364	1.3704	126.790	1.3889	130,278	1.4074	133.827	3
17	1.3519	123.364	1.3704	26, 759	1.3889	130,216	1.4074	183.785		137.315	
18	1. 3703	126, 790	1.3889	130, 216	1,4074	133.701	1.4259	137.253			
19	1.3889	130.278	1.4074	133.735	1.4259	137.253	1.4444	140.833	1.4630	144.475	3
n	1.4074	133.827	1.4259	37.315	1.4444	140.864	1.4630	144,475	1.4815	148.148	4
									1 5000	151.883	4
1	1.4209	137.438	1 4620	144 660	1 4815	148 979	1.5000	151.944		155,679	
12	1.4444	144 940	1 4815	148 496	1 5000	152 068	1.5185	155.772			
14	1 4915	148 649	1 5000	159 952	1 5185	155 996	1.5370	159.660	1.5556	163.457	4
15	1 5000	159 500	1 5185	156 149	1 5370	159.846	1.5556	163.611	1.5741	167.438	4
16	1.5185	156.420	1.5370	160.093	1.5556	165.827	1.5741	167.623		171.481	
17	1.5370	160.401	1.5556	164, 105	1.5741	167.870	1.0926			175.586	
18	1.5556	164.444	1.5741	168.179	1.5926	171.975	1.6111	175.833	1.6296	179.703	1
19	1.5741	168.549	1.5926	172.315	1.6111	176.142	1.6296	180.031	1.6481	100.981	4
50	1.5926	172.716	1.6111	176.512	1.6296	180.370	1.0481	184.290	1.0007	100.272	a
= 1	-			-	-		-		-	-	1-
				7		8		39		0	

# TABLE LV.—BASE 1.—SLOPES $2\frac{1}{2}$ to 1.

	4	11	4	12	4	13		44	4	15	
Feet.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Feet.
0	.7593	51.883	.7778	54.444	. 7963	57.068	.8148	59.753	.8333	62.500	0
1	.7778	53.179	.7963	55.772	.8148		, 8333	61.142	.8519	63.920	1
2	.7963	54.537	.8148	57.160	. 8333		.8519	62,593	.8704	65.401	2
3	.8148	55.957	.8333	58.611	.8519	61,327	.8704	64.105	.8889	66.944	3
4	.8333	57.438	.8519	60.123	.8704	62.870	.8889	65,679	.9074	68.549	4
5	.8519	58.981	.8704	61.698	.8889	64.475	.9074	67,315	.9259	70.216	11 5
6	.8704	60.586	.8889	63,333	. 9074	66.142	.9259		.9444	71.944	6
7	.8889	62.253	.9074	65.031	. 9259	67.870	.9444		.9630	73.735	7
8	.9074	63.981	.9259	66.790	.9444	69.660	.9630		1,0000	75.586	
9	.9259	65.772 67.623	.9444	68,611 70,494	.9630	71.512 $73.426$	A CONTRACTOR OF		1.0185	79.475	
0	. 9444	Court name	100000	Service Control	1	2000	All the second	Friday No. Spring	Carried Co.		9.3
1	.9630	69.537	.9815	72.438			1.0185		1.0370	81.512	
12		71.512		74.444	1.0185	77.438			1.0556 $1.0741$	83.611 85.772	
	1.0000	73.549 75.648		76.512 $78.642$	1.0370 $1.0556$	The second second	1.0556 $1.0741$		1.0926	87.994	
	1.0185 $1.0370$	77.809		80.833	1.0741	83.920	1.0926			90.278	
797		11.06.05.5	1 10 Care Co.		4 6 5 To	2007/10/02	1.1111	89.383	L. P. C. C. C. I.	92.623	0.00
	1.0556	80.031 82.315	1.0741 $1.0926$	83.086 85.401	1.0926	100000000000000000000000000000000000000	1.1296	0.2 50" 3.2.5.	PENN TIME	95.031	
	1.0741 $1.0926$			87.778	1.1296		1.1481		1.1667	97.500	
	1, 1111	87.068					1.1667	96.698		100.031	
	1.1296	89.587	1.1481	92.716		The state of the s	Val. IV a way	99.259		102.623	
	1.1481	92.068	100000000000000000000000000000000000000	95.278	1.1852	V-35 - 3550	the state of	101.883	Allen Min	105.278	3.5
	1.1667	94.660		97.901		101.204		104.568		107.994	
	1.1852	F - 24 - 5 - 5 - 5		100.586	the second of the second			107.315		110.772	
								110,123			
		102.809				109.537		112.994		116,512	
76	the Sanday Con-	105.648	Company of the last of the las	F. L. & Y. S. F.	1 2778	112.438	TO THE PARTY OF	115.926	100000000000000000000000000000000000000	119.475	26
		108.549				115.401		118.920		122.500	
		111.512				118.426		121.975		125.586	
		114,537			1.3333	121.512	1.3519	125.093	1.3704	128.735	29
10	1.3148	117.623	1.3333	121,111	1.3519	124.660	1.3704	128.272	1.3889	131,944	30
1	1.3333	120.772	1.3519	124.290	1.3704	127.870	1.3889	131.512	1.4074	135, 216	31
		123.981		127.531	1.3889	131.142	1.4074	134,815	1.4259	138.549	32
33	1.3704	127.253	1.3889	130.833	1,4074	134,475	1.4259	138.179	1.4444	141.944	33
14	1.3889	130.586	1,4074	134,198	1.4259	137.870		141.605		145,401	
35	1.4074	133.981	1.4259	137.623	1.4444	141.327	1.4630	145.093	1.4815	148,920	35
16	1.4259	137.438	1.4444	141.111	1.4630	144.846		148.642		152,500	
		140.957	1.4630	144.660		148.426		152.253			
		144.537		148.272		152.068		155,926	Later and a second	159.846	1
		148.179		151,944		155,772		159,660		163.611	
0	1.5000	151.883	The second	155,679	Part of the	159.537		163,457	Marie Control	167.438	0.7
		155.648		159.475		163,364				171.327	
		159.475		163,833		167.253		171,235		175.278	
		163.364		167.253	And the second	171.204		175,216		179,290	
		167.315		171.235		175.216		179,259 183 364		183.364 $187.500$	
	Profession And Advanced	171.327	1 2 A.	175.278	2 5 5 5 5 5 7	- 200	The second second	183,364			100
	0.5 5 0.0 5	175.401		179.383				187,531		191,698	10.0
		179.537						191.759		195,957 $200,278$	
		183.735				191,883 196,204		196,049 200,401			
		187,994						204.815		209.105	
	1.0002	102.010	1.1001	100.420		-50,000		-31.510		30.100	
-	-	11		10		10		14		15	
	4	11	. 4	2	4	13	4	14	9	(i)	1

# TABLE LV._BASE 1._SLOPES 21 to 1.

Ī	4	16	4	7	4	18	4	9.	. 5	60	Ī
Fret	Mult.	Add	Mult.	Add	Mult.	Add.	Mult.	Add.	Mult.	Add.	Foot.
0		65.309	. 8704	68,179		71.111	.9074	74.105	.9259	77.160	0
1	.8704		.8889	2000 5 5 5 5		72.623				78.735	
2		68, 272	.9074	71.204	. 9259	74.198		77.253		80.370	2
3	0.000	69.846	.9259	72.809		75,833		78.920			. ~
4 5	.9259	71.481	.9444	74.475	.9630	79 990	1.0000	80.648			
10	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	10000000	19302		The State		D. C. C. C. C.		1.0185	85.648	5
6		74.938	.9815	77.994	1.0000	81.111	1,0185	84,290	1.0370	87.531	
7	. 9815	76.759	1.0000	01.750	1.0185	82.994	1.0370	86.204	1.0556	89.475	
	1.0000 $1.0185$	90 590	1.0100	92 725	1.0370	84.938 86.944	1.0006	88.179	1.0741	91.481	8
		89 503	1.0556	85 779	1.0000	80 019	1 0090	90.216	1.0926		
4.41		82.593								95.679	
	1.0556	84.660	1.0741	87.870	1.0926	91.142	1.1111	94.475	1.1296	97.870	11
12	1.0741	86.790	1.0926	09 959	1.1111,	93.333	1.1296	96.698	1.1481	100.123	12
1.4	1.0326	88.981 91.235	1 1996	94 527	1.1296	93.086	1.1481	98.981	1.1667	102.438	13
15	1 1296	93.549	1 1481	96 883	1 1007	100.278	1 1850	101.327	1.1892	104.815	14
- 1			1 100-	00.000	1.1007	100.210	1.1002	103, 735	1.2047	107.253	15
6	1.1481	95.926	1.1667	99. 290	1.1852	102.716	1.2047	106.204	1.2222	109.758	16
10	1 1959	98.364	1. 1802.	104 900	1.2047	105.216	1.2222	108.735	1.2407	112.315	17
10	1 9047	100.864	1 9999	106 888	1.2222	110 401	1 9509	111.327	1.2593	114.938	18
		106.049		109 537	1 9509	110,401	1 9779	113.981	1.2778	117.623	19
-/1					1.2000	113.086	1.2110	116.698	1.2953	120.370	20
21	1.2407	108.735	1.2593	112.253	1.2778	115.833	1.2963	119.475	1.3148	123.179	21
22	1.2093	111.481	1.2718	115.031	1.2963	118.642	1.3148	122.315	1.3333	126.049	22
2.5	1 2000	114.290 117.160	1. 2965	190 779	1.3148	121.012	1.3333	125.216	1.3519	128.981	23
35	1 2148	120.093	1 9299	193 795	1 9510	124.444	1 9704	128.179	1.3704	131.975	24
	1.0110	120.000	1.0000	120.700	1.0019	121,400	1.5704	131.204	1.3889	135.031	25
26	1.3333	123.086	1.3519	126.759	1,3704	130.494	1.3889	134.290	1.4074	138.148	26
27	1.3519	126.142	1.3704	129.846	1.3889	133.611	1.4074	137.438	1.4259	141.327	27
88	1.3704	129,259	1.3889	192.994	1.4074	136.790	1.4259	140.648	1.4444	144.568	28
20	1.4074	132,438	1 4950	130. 204	1.4259	140.031	1.4444	143.920	1.4630	147.870	29
,,,	1.4074	135.679	1.4200	100.419	1,4444	140.000	1.4000	147.253	1.4815	151.235	30
31	1.4259	138,981	1.4444	142.809	1.4630	146.698	1.4815	150.648	1.5000	154.660	31
32	1.4444	142.346 $145.772$	1.4630	146.204	1.4815	150.123	1.5000	154.105	1.5185	158.148	32
		149.259	1.4810	159 170	1.5000	153.611	1.5185	157.623	1.5370	161.698	33
-	The second second		1.5195	156 750	1.5185	157.160	1.5570	161.204	1.5556	165.309	34
	317757					160.772					
		156.420		160.401	1.5556	164.444	1.5741	168.549	1.5926	172.716	36
		160.093 163.827	1.0000	104, 103	1.5741	168.179	1,5926	172.315	1.6111	176.512	37
		167.623	1 5096	171 609	1.5926	171.975	1.6111	176.142	1.6296	180.370	38
		171.481	1 6111	175 586	1 6906	175.833 179.753	1.6296	180.031	1.6481	184.290	39
5.1	Section Section	10.4740.1									
		175.401		179.537	1.6481	183.735	1.6667	187.994	1.6852	192.315	41
		179.383 183.426	1 0007	100.049	1.6667	187.778	1.6852	192.068	1.7037	196.420	42
		187.531	1 6859	191 750	1.0852	191.883	1.7037	196.204	1.7222	200.586	43
	55.7.7720	191.698	1 7037	195.957	1.7097	196.049	1.7407	200, 401	1.7407	204.815	44
20					1.1222	200.278	1. 7407	204.000	1.7593	209.105	40
		195.926	1.7222	200.216	1.7407	204.568	1.7593	208.981	1.7778	213.457	46
		200.216	1.7500	204.557	1.7593	208.920	1.7778	213.364	1.7963	217.870	47
10	1 7500	204.568	1 7779	213 964	1.7778	213.353	1.7963	217.809	1.8148	222.346	48
50	1.7778	208, 981 213, 457	1.7963	217, 870	1 8148	227.809	1 8222	222,815	1.8333	226.883	49
-					1.0140	222.040	1.0000	220.883	1.8519	231.481	96
	4	46 4			48			9		0	

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TABLE LVL—BASE 1.—SLOPES 23 to 1.

		1		2		3		4		5	
Feet.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Fee.
0	.0185	0.034 0.102	.0370	0.136 0.238	.0556 .0741	0.306 0.441	.0741	0.543 0.713	.0926	0.849 1.052	0 1
2	. 0556	0.238	.0741	0.407	.0926	0.645	.1111	0.951	.1296	1.324	2
8 4	.0741	$0.441 \\ 0.713$	.0926	$0.645 \\ 0.951$	.1111	0.917 $1.256$	.1296	1.256 1.630	.1481	1.664 2.071	8 4
5	.1111	1.052	.1296	1.824	.1481	1.664	.1667	2.071	.1852	2.546	
6	. 1296	1.460	. 1481	1.765	.1667	2.139	.1852	2.580	.2087	3.090	6
7	. 1481	1.935	.1667	2.275	.1852	2.682	.2037	3.157	.2222	3.701	7
8	.1667 .1852	2.478 8.090	.1852	$2.852 \\ 3.497$	.2037	$3.293 \\ 3.972$	.2407	3.802 4.515	.2593	4.380 5.127	8 9
10	. 2037	8.769	. 2222	4.210	.2407	4.719	. 2593	5.296	.2778	5.941	
11	. 2222	4.515	.2407	4.991	. 2593	5.534	.2778	6.145	. 2963	6.824	
12	. 2407	5.330	. 2593	5.840 6.756	.2778	6.417	.2963	7.062	.8148	7.775	
13 14	. 2593 . 2778	6.213 $7.164$	.2778	7.741	.2968 .3148	7.367 8.386	.3148	8.046 9.099	3333	8.793 9.880	
15	2963	8.182	.3148	8.793	. 3333	9.472	.8519	10.219	.8704	11.034	
16	.3148	9.269	. 3333	9.914	. 3519	10.627	. 3704	11.407	. 3889	12.256	16
17	. 3333	10.423	.3519	11.102	.3704	11.849	.3889	12.664	.4074 .4259	18.546	
18 19	.3519	11.645 12.935	.3704	12.358 $13.682$	.3889	13.139 14.497	.4259	13.988 15.380	.4444	14.904 16.330	
20	. 3889	14.293	.4074	15.074	.4259	15.923	.4444	16.840	.4630	17.824	
21	. 4074	15.719	. 4259	16.534	.4444	17.417	.4630	18.367	.4815	19.386	
22	. 4259	17.213	.4444	18.062	.4630	18.978	.4815	19.968	.5000	21.015	
28 24	.4444 .4630	18.775 20.404	.4630 .4815	19.657 $21.321$	.4815 .5000	20.608 22.306	.5000	21.627 23.358	.5185	22.718 $24.478$	
25	. 4815	22.102	.5000	23.052	.5185	24.071	.5370	25.157	.5556	26.312	
26	. 5000	23.867	.5185	24.852	.5370	25.904	. 5556	27.025	.5741	28.213	
27	.5185	25.701	.5370	26.719	.5556	27.806	.5741	28.960	.5926	30.182	
28 29	.5370	27.602 29.571	.5556	28,654 30,657	.5741	29.775 31.812	.5926	30,963 33,034	.6111 .6296	32.219 34.324	
30	.5741	31.608	.5926	82.728	.6111	33.917	. 6296	35.173	.6481	36.497	
31	. 5926	33.713	.6111	34.867	. 6296	36.090	. 6481	37.380	. 6667	38.738	
32	. 6111	35.886	. 6296	37,074	. 6481	38.330	.6667	39.654	. 6852	41.046	
33 34	. 6296 . 6481	38.127 40.435	.6481	39.349 41.691	.6667	40.639 43.015	.6852	41.997 $44.407$	.7037 .7222	43.423 45.867	
35	. 6667	42.812	.6852	44.102	.7037	45.460	.7222	46.886	.7407	48.380	
36	. 6852	45.256	. 7037	46.580	.7222	47.972	.7407	49.432	. 7593	50.960	36
37	.7037	47.769	.7222	49.127	.7407	50.552	.7593	52.046	.7778	53.608	
38 39	.7222 $.7407$	50.349 $52.997$	.7407	51.741 54.423	.7593 .7778	53.201 55.917	.7778	54.728 57.478	.7963 .8148	56.324 59.108	
40	.7598	55.713	.7778	57 173	.7963	58.701	.8148	60.296	.8333	61.960	
41	.7778	58.497	. 7963	59.991	.8148	61.552	. 8333	63.182	.8519	64.880	41
42	. 7963	61.349	.8148	62.877	.8333	64.472	.8519	66.136	.8704	67.867	
48 44	.8148 .8333	64.269 67.256	.8333	65.830 $68.852$	.8519 .8704	67.460 70.515	.8704	69.157 72.247	.8889 .9074	70.923 74.046	
45	.8519	70.812	.8704	71.941	.8889	73.639	.9074	75.404	.9259	77.238	
46	.8704	78.435	.8889	75.099	.9074	76.830	.9259	78.630	.9444	80.497	46
47	. 8889	76.627	.9074	78.324	.9259	80.090	.9444	81.923	.9630	83.824	
48 49	.9074 .9259	79.886 83.213	.9259	81.617 84.978	.9444	83.417 86.812	.9630	85.284 88.713	.9815 1.0000	87.219 90.682	
50	.9444	86.608	.9630		.9815	90.275			1.0185	94.213	
		1		2		3		4		5	

# TABLE LVI.—BASE 1.—SLOPES $2\frac{3}{4}$ to 1.

	(	6	- 1	7		8		9	- 1	0	
Prest.	Mult.	Add	Mult.	Add.	Mult.	Add.	Mult.	Add.	Mult.	Add	Foot.
0	.1111	1.222	.1296	1.664	.1481	2.173	.1667	2.750	.1852	3.395	0
1	.1296	1.460	.1481	1.935	.1667	2.478	. 1852	3.090	.2037	3.769	
2	.1481	1.765	.1667	2.275	, 1852	2.852	. 2037	3,497	.2222	4.210	2
3	.1667	2.139	. 1852	2.682	.2037	3.293	. 2222	3.972	.2407	4.719	
4	.1852	2.580	.2037	3.157	.2222	3.802	.2407	4.515	.2593	5.296	4
5	.2037	3.090	. 2222	3.701	.2407	4.380	. 2593	5.127	.2778	5.941	
6	.2222	3.667	.2407	4.312	.2593	5.025	.2778	5.806	. 2963	6.654	6
7	.2407	4.312	.2593	4.991	.2778	5.738	. 2963	6,552	.3148	7.435	7
8	.2593	5.025	.2778	5.738	. 2963	6.519	.3148	7.367	, 3333	8.284	8
9	.2778	5.806	. 2963	6.552	.3148	7.367	.3333	8.250	.3519	9.201	9
10	.2963	6.654	.3148	7.435	. 3333	8.284	.3519	9.201	.3704	10.185	10
11	.3148	7.571	. 3333	8.386	.3519	9.269	.3704	10.219	.3889	11,238	11
12	.3333	8.556	.3519	9.404	.3704	10.321	.3889	11.306	.4074	12.358	12
13	.3519	9.608	.3704	10,491	.3889	11.441	.4074	12,460	.4259		13
14	.3704	10,728	.3889	11,645	.4074	12.630	.4259	13.682	.4444	14.802	14
15	.3889		.4074	12,867	.4259	13.886	.4444	14.972	.4630		
16	.4074	13.173	.4259	14.157	. 4444	15.210	.4630	16.330	.4815	17.519	16
17	.4259	14,497	.4114	15,515	.4630	16,602	.4815	17.756	.5000		
18		15.889	.4630	16.941	.4815		.5000		.5185		
19	.4630	17.349	.4815	18, 435	.5000		.5185	20.812	.5370		
20			.5000	19.997	.5185	C-17 Tr DO 1	.5370	22.441	. 5556		100
21	.5000	The state of the state of	.5185	21,627	.5370	The State of the	.5556	24.139	.5741		1
22	.5185	22.136	.5370	23.324	.5556		.5741	25.904	.5926		
23			.5556	25.090	.5741	26.380	.5926	27.738	.6111		
24			.5741	26,923	.5926		.6111	29.639	.6296		
25	.5741	27.534	.5926	28,824	.6111	30.182	.6296	31,608	.6481	33.102	
		THE TOTAL 22	11.00		married to	THE RESERVE	VC 12 1 1 1 1 1			1000	1.
26		29.469	.6111	30.793	. 6296	32.185	.6481	83.645	.6667	35.173	
27	.6111	31.472	.6296	32.830	. 6481	34.256	.6667	35.750	. 6852		
28		33.543	.6481	34.935	.6667	36.395	. 6852	37.923	. 7037	39.519	
29	.6481	35.682	.6667	37.108	. 6852	38.602	.7037	40.164	.7222		
30	.6667	37.889	. 6852	39,349	. 7037	40.877	.7222	42.472	.7407	44.136	
31	.6852	40.164	.7037	41.657	.7222	43.219	.7407	44.849	.7593		
32	.7037	42.506	.7222	44.034	.7407	45.630	. 7593	47.293	.7778		
33	.7222	44.917	.7407	46.478	.7593	48.108	.7778	49.806	.7963		
34	.7407	47.395	.7593	48.991	.7778	50.654	.7963	52.386	.8148		
35	.7593		.7778	51.571	.7963	53.269	.8148	55,034	.8333		
36	.7778		.7963	54.219	.8148	55.951	.8333	57.750	.8519	59.617	36
37	.7963		.8148	56.935	. 8333	58.701	.8519	60.534	.8704		
38	.8148		. 8333	59.719	. 8519	61.519	.8704	63.386	.8889	65.321	38
39	.8333	60.806	.8519	62.571	.8704	64.404	.8889	66.306	.9074	68.275	39
01	.8519	63,691	.8704	65.491	.8889	67.358	.9074	69.293	. 9259	71.296	40
11	.8704	66,645	.8889	68,478	.9074	70.380	. 9259	72.349	.9444	74.386	41
12	.8889	69.667	.9074	71.534	. 9259	73.469	.9444	75.472	.9630	77.543	42
13	.9074	72.756	.9259	74.657	.9444	76.627	.9630	78.664	.9815	80.769	43
14	.9259	75.914	.9444	77.849	.9630	79,852	. 9815	81.923	1.0000	84.062	44
15	.9444	79.139	.9630	81,108	.9815	83,145	1.0000	85,250	1.0185		
16	.9630	82.432	.9815	84.435	1.0000	86.506	1.0185	88.645	1.0370	90.852	46
17	.9815	85.793		87.830	1.0185	89.935	1.0370	92,108	1.0556		
	1.0000		1.0185	91,293	1.0370		1.0556	95.639		97,914	
	1.0185			94.824	1.0556		1.0741	99.238		101.546	
	1.0370		1.0556	98.423		100.630					
	-				-				-		_
		6	,	7	1	8		)	1	0	
1								,		U	-

TABLE LVL—BASE 1.—SLOPES  $2\frac{3}{4}$  to 1.

	1	1	1	2	1	3	1	14	1	15	
Feet.	Mult.	Add.	Mult.	Add	Mult.	Add.	Mult.	Add.	Mult.	Add	Feet.
0	. 2037	4.108	. 2222	4.889	.2407	5.738	.2593	6.654	.2778	7.639	0
1	. 2222	4.515	.2407	5.330	.2593	6,213	.2778	7.164	. 2963	8.182	1
2	.2407	4.991	. 2593	5.840	.2778	6.756	. 2963	7.741	.3148	8.793	2
3	. 2593	5.534	.2778	6.417	. 2963	7.367	.3148	8.386	. 3333	9,472	3
4	.2778	6.145	.2963	7.062	.3148	8.046	. 3333	9.099	.3519	10.219	4
5	. 2963	6.824	.3148	7.775	. 3333	8.793	.3519	9.880	.3704	11.034	5
6	.3148	7.571	.3333	8.556	. 3519	9.608	.3704	10.728	.3889	11.917	6
7	. 3333	8.386	.3519	9.404	.3704	10.491	.3889	11.645	.4074	12,867	7
8	. 3519	9.269	.3704	10.321	.3889	11.441	.4074	12.630	.4259	13.886	
9	.3704	10.219	.3889	11.306	.4074	12.460	.4259	13.682	.4444	14.972	9
0	.3889	11.238	.4074	12.358	.4259	18.546	.4444		.4630	16,127	
1	.4074	12.324	.4259	13.478	.4444	14.701	.4630	15.991	.4815	17.349	
2	.4259	13,478	.4444	14.667	.4630	15,923	. 4815		.5000	18.639	
13	. 4444	14.701	.4630	15.923	.4815	17,213	.5000		.5185		
4	.4630	15,991	.4815	17.247	.5000	18.571	.5185	19.963	.5370		
5	.4815	17.349	.5000	18.639	.5185	19.997	.5370	1 22 2 2 2 2 2 2 2 2	. 5556		15
6	.5000	18,775	.5185	20.099	.5370	21.491	.5556	22.951	.5741	24.478	100
7	.5185	20.269	.5370	21.627	.5556	23,052	.5741	24.546	.5926		
8	.5370	21.830	.5556	23.222	.5741	24.682	.5926		.6111	27.806	
9	.5556	23.460	.5741	24.886	.5926	26.380	.6111	27.941	.6296		
0	.5741	25.157	.5926	26.617	.6111	28.145	.6296		. 6481	31.404	
1	.5926	26,923	.6111	28,417	. 6296	29.978	.6481	31.608	. 6667	33.306	3.7
2	.6111	28.756	.6296	30.284	. 6481	31,880	.6667	33.543		35.275	
3	.6296	30.657	.6481	32.219	.6667	33.849	. 6852		. 6852	37.312	
4	.6481	32.627	.6667	34.222	.6852	35.886	.7037				
5	.6667	34,664	.6852	36.293	.7037		.7222	37.617 39.756	.7222	39.417 41.590	
-	1100000000		1	38,432	.7222		No. 3 Sec. 1	10.000.00	1	The second of	1
6	. 6852	36.769 38.941	.7037 .7222	40,639		40.164	.7407	41.963	.7593	43.830	
7	.7087				.7407	42.404	.7593	44.238	.7778		
85	.7222	41.182	.7407	42.914	.7593	44.713	.7778		.7963		
29 30	.7407	43,491 45,867	.7593	45.256	.7778	47.090 49.534	.7963		.8148		
-11		THE SHE WILL	100		100000	2 - 1000	.8148	NO. 10. 10. 10. 10. 10. 10. 10. 10. 10. 10	.8333	No. of a Villa Co.	10.00
1	.7778	48.312	.7963	50.145	.8148	52.046	. 8333		.8519	56.052	
32	.7963	50.824	.8148	52.691	. 8333	54.627	.8519		.8704	58.701	
33	.8148	53.404	. 8333	55.306	.8519	57.275	.8704	59.312	.8889	61.417	
4		56.052	.8519	57.988	.8704	59.991	.8889		.9074	64.201	
15	1000	58.769	.8704	60.738	.8889	62.775	.9074	64.880	.9259	67.052	35
6	.8704	61.552	.8889	63.556	.9074	65.627	. 9259	67.765	.9444	69,972	36
7	.8889	64.404	.9074	66.441	.9259	68.546	.9444	70.719	.9630	72.960	
8	.9074	67.324	. 9259	69.395	. 9444	71.534	.9630	73,741	,9815	76.015	38
19	.9259	70,312	.9444	72.417	.9630	74.590	.9815	76.830		79.139	39
0	.9444	73.367	.9630	75.506	.9815	77.713	1.0000	79.988	1,0185	82.330	40
1	.9630,	76,491	.9815	78.664	1.0000	80.904	1.0185	83.213	1.0370	85.590	41
2	.9815	79.682	1.0000	81.889	1.0185	84.164	1.0370	86.506	1.0556	88.917	42
3	1.0000	82,941	1.0185	85.182	1.0370	87.491	1.0556	89.867	1,0741	92,312	43
4	1.0185	86.269	1.0370	88.543	1.0556	90.886	1.0741	93.296	1.0926	95.775	44
5	1.0370	89.664	1.0556	91.972	1.0741	94.349	1.0926	96.793	1.1111	99.306	45
6	1:0556	93.127	1.0741	95,469	1.0926	97.880	1.1111	100.358	1.1296	102.904	46
	1.0741							103,991			
								107.691			
								111.460			
0	1.1296	107.657	1.1481	110.136	1.1667	112.682	1,1852	115.296	1.2047	117.978	50
_		44 0 6	9.00	- Control	-	1			M 1. 1		
	1	1	1	2	1	3	1	4	1	5	

		16	1	7	1	8	1	9	2	0	
Feet.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Feet.
0	. 2963	8.691	.3148	9.812	. 3333	11.000	. 3519	12.256	.3704	13.580	0
1	.3148		. 3333	10.423		11.645	.3704	12,935	. 3889	14.293	
2	.3333		.3519	11.102	.3704	12.358		13.682		15.074	
3	. 3519		.3704	11.849	.3889	13.139	.4074	14,497		15.923	
4	. 3704		.3889	12.664	.4074	13.988	.4259	15.380		16.840	
5	. 3889		.4074	13.546			.4111	16.330	10000	17.824	1.7
6	.4074		.4259	14.497		15.889	.4630	17.349		18.877	
7	. 4259		.4444	15, 515		16.941	. 4815	18,435		19.997	
8	.4141		.4630	16.602		18.062	.5000	19.590		21.185	
9	.4630		.4815	17.756		19.250	.5185	20.812		22.441	9
0	.4815		.5000	18.978		20.506	.5370	22.102		23.765	1
1	.5000		. 5185	20.269	.5370	21.830	1	23.460			
2	.5185		.5370	21.627	. 5556	23.222	.5741	24.886		26.617	
3	.5370		. 5556	23.052	.5741	24.682	.5926	26,380		28.145	
4 5		22.951	.5741	24.546, 26.108	.5926	26.210 27.806	.6111			29.741 31.404	
200	The second of	24.478					1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				
6		26.074	.6111	27.738		29,469	. 6481	31.269		33.136	
7		27.738	.6296	29.435		31.201	.6667	33.034	. 7037	34.935	
18		29.469	.6481	31.201 33.034	.6667	33.000	.6852	34.867	.7222	36.802 38.738	
0			. 6852	34,935	.7037	36.802	.7222	38.738		40.741	
	C 47.70%	C. C. C. C. C.					100000	-345.00	750 - 10		
1 2	.6852		.7037	36.904 38.941	.7222	38,806	.7407	42.880		42.812	
3	.7222		.7407	41.046		43.015	.7778	45.052		47.157	
14			.7592	43.219		45.222	.7963	47.293		49.432	
5	100000		.7778	45.460		47.497	.8148	49.602			
	and the latest trees		.7963	74.769		49.840	.8333		1	347,777	
6	- C			50.145		52.250	.8519			56,664	F
8				52.590		54.728		56.935			
9			.8519			57.275	.8889				
0				57.682						64.506	
31	.8704	E 10 C C C C C C	.8889			62.571	15 75 75	10000000	20.00		
12	.8889					65.321			100	70.074	
33						68.139				72.960	
14			.9444			71.025	.9815		1.0000		
5				71.602			1.0000		1.0185	78.935	
16	.9630	72.247	.9815	74 590	1 0000	77.000		and the second second	1.0370	89 095	36
7						80.090			1.0556		
	1.0000					83.247			1.0741		
	1.0185		1.0370			86.472					
0	1.0370	84,741	1.0556	87.219	1.0741	89.765	1.0926	92.380	1,1111	95.062	40
1	1.0556	88.034	1.0741	90.546	1.0926	93, 127	1, 1111	95.775	1,1296	98, 491	41
		91.395									
		94.824									
		98.321									
5	1.1296	101.886	1.1481	104.534	1.1667	107.250	1.1852	110.034	1.2047	112.886	45
6	1.1481	105.519	1.1667	108, 201	1.1852	110.951	1.2047	113.769	1.2222	116.654	46
7	1.1667	109.219	1.1852	111.935	1.2047	114.719	1.2222	117.571	1.2407	120.491	47
		112.988									
		116.824									
0.	1.2222	120.728	1.2407	123.546	1,2593	126.432	1.2778	129.386	1.2963	132.407	50
				_		J -		-		•	
П		6	1	7	1	8	1	9	2	0	

TABLE LVI.—BASE 1.—SLOPES 23 to 1.

	. 5	21	2	2	2	3	2	4	2	5	
Feet.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Feet.
0	. 3889	14.972	.4074	16.432	.4259	17.960	.4444	19.556	. 4630	21,219	0
1	.4074	15.719	.4259	17.213	.4444	18.775	.4630	20.404	. 4815	22.102	
2	. 4259	16.534	.4444	18.062	.4630	19.657	.4815	21,321	.5000	23.052	
3	. 4444	17.417	.4630	18.978	.4815	20,608	.5000	22.306	.5185	24.071	
4	.4630		.4815	19.963	.5000	21.627	.5185	23.358	.5370	25.157	
5	.4815	19.386	.5000	21.015	.5185	22.713	.5370	24.478	.5556	26.312	5
6	.5000		.5185	22.136	.5370	23.867	. 5556	25.667	.5741	27.534	
7	.5185	21.627	.5370	23.324	.5556	25.090	. 5741	26.923	.5926		
8 9	.5370	22.849	.5556	24.580	.5741	26.380	.5926	28.247	.6111	30.182	
9	.5556	(V 12 5 7 5 4)	.5741	25.904 $27.296$	.5926	27.738 $29.164$	.6111	29.639 31.099	.6296	1001000	
11	.5926	25.497 26.923	.6111	28.756	.6296	30.657	.6481	32.627	.6667	33.102	
12	.6111	28.417	.6296	30.284	.6481	32.219	. 6667	34.222	.6852	34.664 36.293	
13	.6296		.6481	31.880	.6667	33.849	. 6852	35.886	.7037	37, 991	
14	. 6481	31.608	.6667	33.543	. 6852	35.546	.7037	37.617	7222	39.756	
15	. 6667	33.306	. 6852	35.275	.7037	37.312	.7222	39.417	.7407	41.590	
16	. 6852	35.071	.7037	37.074	.7222	39.145	.7407	41.284	.7593	43.491	195.9
17	.7037	36.904	.7222	38.941	.7407	41.046	.7593	43.219	.7778	45.460	
18	.7222	38.806	.7407	40.877	.7593	43.015	.7778	45.222	.7963	47.497	
19	.7407	40.775	.7593	42.880	.7778	45.052	.7963	47.293	.8148	49,602	
20	.7593		.7778	44.951	. 7963	47.157	.8148	49.432	,8333	51.775	
21	.7778	44.917	.7963	47.090	.8148	49.330	. 8333	51.639	.8519	54.015	21
22	. 7963	47.090	.8148	49.296	. 8333	51.571	.8519	53.914	.8704	56.324	22
23	.8148	49.330	.8333	51.571	.8519	53.880	.8704	56.256	.8889	58.701	
24	.8333	51.639	.8519	53.914	.8704	56.256	.8889	58.667	.9074	61.145	24
25	.8519	54.015	.8704	56.324	.8889	58.701	.9074	61.145	. 9259	63.657	25
26			.8889	58,802	.9074	61,213	. 9259	63,691	.9444	66.238	26
27	.8889		.9074	61,349	. 9259	63.793	.9444	66.306	.9630	68,886	27
28	.9074		.9259	63.963	.9444	66.441	.9630	68.988	.9815	71,602	
29	.9259		.9444	66.645	.9630	69.157	.9815	71.738	1.0000		
30	1000	100 May 100 Ma	.9630	69.395	Propher States	250 mm 4 %	1.0000	P 8" 12 A	1.0185	77.238	100
31	.9630		.9815	72.213		74.793		77.441	1.0370	80.157	
32			1.0000	75.099	1.0185	77.713		80.395	1.0556		
	1.0000 $1.0185$		1.0185	78.052		Section Control of	1.0556			86.201	
	1.0370		1.0370	81,074 84,164		86.880	1.0741 $1.0926$	86.506 89.664	1.0926	89.324 92.515	
70.1	1 0556	1.5	1.0741	87.321	11.397.00		1.1111	92.889	2000		1
	1.0741	87.830	1.0926		1.1111	93.830	1.1296	96.182	1.1296 $1.1481$		
	1.0926				1.1296		1.1481			102.497	
	1.1111	94.417	1.1296	97.201		100.052		102.972		105.960	
	1.1296					103.515				109.491	
:01		101.275	OF COMPANY	104.127	N. 77-6-60	107.046	50000000	110.034		113.090	
		104.806		107.691		110.645		113.667		116.756	
		108.404						117.367		120.491	
		112.071		115.025		118.046		121.136		124.293	
		115.806		118.793	1.2593	121.849		124.972		128.164	
		119.608	1.2593	122.630		125.719	1.2963	128.877	1.3148	132.102	46
		123.478		126.534		129.657		132.849		136.108	
		127,417				133.664				140,182	
		131,423		134.546				140.997		144.324	
0	1.3148	135.497	1.3333	138.654	1.3519	141.880	1.3704	145.173	1.3889	148.534	50
-	-			-	-		-				-
		21	9	2	9	3	9	4	9	5	

# TABLE LVI._BASE 1._SLOPES 22 to 1.

	2	6	2	7	2	8	2	9	3	0	
Fowt.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Pret.
0	. 4815	22.951	.5000	24.750	.5185	26.617	.5370	28.552	.5556	30,556	0
1	. 5000	23.867	.5185	25,701	.5370		. 5556	29.571	.5741	31.608	
9	.5185	24.852	.5370	26.719	. 5556	28,654	.5741	30.657	.5926	32.728	2
3	.3370	25.901	.5556	27.806	.5741	29.775	.5926	31.812	.6111	33.917	
1	. 5556	27.025	.5741	28,960	.5926	30.963	.6111	33.034	.6296	35.173	
5	.5741	28.213	.5926,	30.182	.6111	32.219	. 6296	34.324	.6481	36.497	5
6	.5926	29.469	.6111	31.472	.6296	33.543	. 6481	35.682	.6667	37.889	1 6
7	.6111	30.793	. 6296		.6481	34.935	.6667	37.108	.6852	39.349	
8	. 6296	32.185	.6481		. 6667.	36.395	.6852	38.602	.7037	40.877	1 8
9	.6181	33.645	. 6667	35,750	. 6852	37.923	.7037	40.164	.7222	42.472	1
10		35.173	. 6852	37.312	.7037;	39.519	.7222	41.793	.7407	44.136	16
u	. 6852	36,769	.7037	38,941	.7222	41.182	.7407	48.491	.7593	45.867	h
12	.7037	38.432		40.639		42.914	.7593	45.256	.7778	47.667	
13	.7222	40.164		42.404	.7593	44.713	.7778	47.090	.7963	49.534	
14		41.963	.7593		.7778	46.580		48.991	.8148		
15		43.830	.7778	46.139	.7963	48.515		50.960		53.472	
200	A September 1	and the second	the second second		.8148	50.519	. 8333	52.997	.8519	55.543	1
16		45.765		48.108	.8333		.8519	55.102	.8704	57.682	
17		47.769		50.145 52.250		54.728		57.275			
18		49.840	.8333	54.423				59.515	.9074	62.164	
19			.8704	56.664		59.210		61.824		64.506	
0.5	7.50	100 100 07 07		100000000000000000000000000000000000000	10000	District Control		1000	100000		
21	.8704	56,460	.8889	58.972						66.917	
13	.8889	58.802	.9074	61.349						69.395	
13		61,213		63.793		66, 441	.9630		.9815	71.941	
24	.9259		.9144	66,306	.9630,				1.0000	74.556	
25	.9111	66.238	.9630	68,886	.9815	11.602	1.0000	20000	1.0185	77.238	
26	.9630	68.852	. 9813	71.534	1.0000	74.284	1.0185	77.102	1.0370	79.988	
27	.9815	71.534	1.0000	74.250	1.0183		1.0370		1.0556	82.806	
18	1.0000	74.284			1.0370		1.0556		1.0741	85.691	
	1.0185				1.0556				1.0926	88.645	
30	1.0370	79.988	1.0556	82.806	1.0741	85,691	1.0926	88,645	1.1111	91.667	30
115	1,0556	82.941	1.0741	85.793	1.0926	88.713	1.1111	91.701	1.1296	94.756	31
		85.963					1.1296	94.824	1.1481	97.914	135
33	1.0926	89.032	1.1111	91.972	1.1296	94.960	1.1481	98.015	1.1667	101.139	133
	1.1111						1.1667	101.275	1.1852	104.432	34
		95.435	1,1481	98.423	1.1667	101.478	1.1852	104.602	1.2047	197.793	33
		98.728									
17	1 1667	102.090	1 1859	105.145	1 2047	108.269	1.2222	111.460	1.2407	114.719	13
25	1 1859	105.519	1 2047	108, 608	1.2222	111.765	1.2407	114,991	1.2593	118, 284	138
29	1 2017	109.015	1 9999	112.139	1.2407	115.330	1.2593	118,590	1.2778	121.917	39
in	1 9999	112.580	1. 2407	115.738	1.2593	118.963	1.2778	122, 256	1.2963	125_617	40
		116.213									
		119.914									
12	1 9779	123.682	1 9082	136 911	1 3118	130, 969	1 3333	133 664	1.3519	137 195	45
1.4	1 2022	127.519	1 3118	130 819	1 3333	134, 173	1.3519	137, 602	1.3704	141 000	100
12	1 3118	131.423	1 3333	134 750	1.3519	138, 145	1.3704	141,608	1.3889	145, 139	de
				1000		the state of the state of		4 - 4 - 1 - 1	F ( 1000 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 100 - 1		
16	1.3333	135, 395	1.3519	138.756	1.3704	143.185	1.3889	140.682	1.4074	143.247	120
17	1.3519	139.435	1.3704	143.830	1.3889	146.293	L. 4014	149.824	1.4239	133, 423	1
18	1.3704	143.543	1.3889	146.972	1.4074	150,469	1.4259	134.084	1 4444	104.667	1
19	1.3889	147.719	1.4074	131.182	1. 4259	154, 713	1 4000	130.312	1.4630	101.978	13
50	1.4074	151.963	1.4259	100.460	1.4111	199.023	1.4630	T02-00 C	1.4913	T00-358	2
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Peet.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Feet.
0	.5741	32.627	.5926	34.765	.6111	36.972	. 6296	39.247	. 6481	41.590	0
1	. 5926	33.713	.6111	35.886	. 6296	38.127	. 6481	40.435	.6667	42.812	1
2	.6111	84.867	,6296	37,074	. 6481	39.349	. 6667	41.691	. 6852	44.102	
3	. 6296	36.090	, 6481	38,330	. 6667	40.639	. 6852	48,015	.7037	45.460	1 2
4	. 6481	37.380	.6667	39,654	. 6852	41.997	.7037	44.407	.7222	46.886	1 -
5	.6667	38.738	. 6852	41.046	.7037	43,423	.7222	45.867	.7407	48.380	1 3
6	. 6852	40.164	.7037	42.506	.7222	44.917	.7407	47.395	.7593	49.941	1.
7	.7037	41.657	.7222	44.034	.7407	46.478	.7593	48.991	.7778	51.571	
8	.7222	43.219	.7407	45.630	.7593	48.108	.7778	50.654	.7963	53.269	
9	.7407	44.849	.7593	47.293	.7778	49.806	.7963	52.386	.8148	55.034	
10	. 7593	46,546	.7778	49,025	.7963	51.571	.8148	54.185	. 8333	56.867	10
11	.7778	48.312	.7963	50.824	.8148	53.404	.8333	56.052	.8519	58.769	11
12	.7963	50.145	.8148	52.691	.8333	55.306	.8519	57.988	.8704	60.738	
13	.8148	52.046	. 8333	54.627	.8519	57.275	.8704	59.991	.8889	62.775	13
14	. 8333	54.015	.8519	56.630	.8704	59,312	.8889	62.062	.9074	64.880	
15	.8519	56.052	.8704	58.701	.8889	61.417	.9074	64.201	. 9259	67.052	13
16	.8704	58.157	.8889	60.840	.9074	63.590	.9259	66.407	.9444	69,293	110
17	.8889	60.330	.9074	63.046	.9259	65.830	.9444	68.682	.9630	71.602	17
18		62.571	.9259	65.321	.9444	68.139	.9630	71.025	.9815	73.978	
19	.9259	64.880	. 9444	67.664	.9630	70.515	.9815	73.435	1.0000	76.423	15
20			.9630	70.074		72.960	1.0000	75.914	1.0185	78.935	20
21	.9630	and only the state of	.9815	72.552	1.0000	the base on the	1.0185	78,460	1.0370	81.515	2
			1.0000	75.099	000000000000000000000000000000000000000		1.0370	81.074		84.164	
	.9815 1.0000		1.0185		1.0370		1.0556	83.756		86.880	1.00
	1.0185		1.0370	80.395			1.0741	86.506	1.0926	89.664	
	1.0370	80.157					1.0926	The second second		92.515	
	200 000	The Control	Transfer			1111/1111		92.210	1.1296		
	1.0556		1.0741	85.963			1.1111 $1.1296$	95.164		98, 423	
	1.0741		1.0926	88.849	1.1296		1,1481			101.478	
	1.0926			94.824				101.275			
	1,1111		1.1296			101.139					
100	1.1296	Con Winners	1.1481	2. 2.70	The State of the S	to the second	40.15.00.00				
31	1.1481	97.880	1.1667	101.071	1.1852	104.330	1.2047	110 051		111.052	100
32	1,1667	101.071	1.1852	104. 296	1.2047	110,015	1.2222	114 919	1.2407	114.380	
		104.330	1.2047	107.590	1.2222	110.917	1 2509	117 741	1 9779	121.238	0.
34	1, 2047	107.657	1.2222	110.991	1 9509	114.312	1 9778	191 998	1 9069		
		111.052									
36	1.2407	114.515	1.2593	117.877	1.2778	121.306	1.2963	124.802		128.367	
37	1,2593	118.046	1.2778	121.441	1.2963	124.904	1.3148	128, 435	1.3333	132.084	
		121,645	1.2963	125.074	1.3148	128,571	1.3333	132, 136		135.769	
		125.312		128.775		132,306				139.571	
40	1.3148	129,046							1.123.134	143.441	
		132.849				139.978		143.645		147.380	
42	1.3519	136.719	1.3704	140.284	1.3889			147.617		151.386	
43	1.3704	140.657	1.3889	144.256	1.4074	147.923	1.4259	151,657	1.4444	155,460	
44	1.3889	144.664	1.4074	148, 296	1,4259	151.997	1.4444	150.765	1.4630	159.602	
45	1.4074	148.738	1.4259	152.404		to 7 contract of a second			15 10 200	163.812	
		152.880				160,349		164.185		168,090	
47	1.4444	157.090	1.4630	160.824	1.4815	164.627		168.497		172.435	
48	1.4630	161.367	1.4815	165.136	1.5000	168.972	1.5185	172.877		176.849	
49	1.4815	165,713	1.5000	169.515	1.5185	173.386	1.5370	177.324	1.5556	181,330	
50	1.5000	170, 127	1.5185	173.963	1.5370	177.867	1.5556	181.840	1,5741	185.880	50
	4,733,33				-				-	-	-
		1		2		33		4		5	1

# TABLE LVL—BASE 1.—SLOPES 21 to 1.

	3	F)	3	7 .	. 3	8	3	9	4	10	П
Lies	Mult.	Add	Mult.	Add	Mult.	Add	Mult.	AdL	Mult.	Add	Poet.
0	.6667	11,000	. 6852	46.478	.7037	49.025	.7222	51.639	.7407	54.321	
1	6452	45.256	.7037	47.769	.7222	50.349	.7407	52,997	.7593		
2	.7037	46.580	.7222	49, 127	.7407	51.741	.7593	54,423	.7778	57.173	2
3	.7222	17.972	.7407	50.552	.7593	53.201	.1118	55.917	.7963	58.701	
4	.7107	49,432	.7593	52.046	.7778	54.728	.7963	57.478		60.296	
5	.7593	50.969	.7778	53.60%	.7963	56.324	.8148	59.108		61.960	5
6	.7778	52.556	.7963	55.238	.8148	57.988	. 8333	60.806	.8519	63.691	6
7	.7963	54.219	.8148	56.935	. 8333	59.719	. 8519	62.571	.8704	65, 491	7
8	.8148	55.951	. 8333	58.701	.8519	61.519		64.404			8
9		57.750	.8519	60.534	.8704	63.386	100000000000000000000000000000000000000	66,306	.9074		
10	. 8519	59.617	.8704	62.435	. 8889.	65.321	. 9074	68.275	.9259	71.296	10
11		61.552	.8889	64.404	.9074	67.324	. 9259.	70.312	.9444	73.367	111
12	. 8889	63,556	.9074	66.441	.9259	69.395	.9444	72.417	.9630		
13;	.9074	65,627	. 9259	68.546		71,534	.9630	74.590	.9815	77.713	13
-		67.765	. 9444	70.719		73.741	.9815	76,830	1.0000		
5	.9444	69,972	.9630	72,960	9815	76.015	1.0000	79.139	1.0185	82,330	15
16	.9630;	72.247	. 9815	75.269	1.0000	78.358	1.0185	81.515	1.0370	84.741	16
17	.9815	74.590	1.0000	77.645	1.0185	80.769					
8	1.0000	77.000		80.090	1.0370	83.247	1.0556	86.472	1.0741		
	1,0185	79.478				85.793	1.0741	89.052	1.0926	92.380	19
20	1.0370	82.025	1.0556	85, 182	1.0741	88.407	1.0926	91.701	1,1111	95.062	20
1	1.0556	84.639	1.0741	87.830	1.0926	91.090	1.1111	94.417	1.1296	97.812	21
22	1.0741	87.321	1.0926	90.546	1.1111			97.201			
3	1.0926	90.071	1.1111	93.330	1.1296	96.657	1.1481	100.052	1.1667	103.515	23
	1,1111	92,889		96.182	1.1481	99.543	1.1667	102.972	1.1852	106,469	24
5 1	1,1296	95,775	1.1481	99.102	1.1667	102.497	1.1852	105.960	1.2047	109.491	25
26	1.1481	98.728	1.1667	102.090	1.1852	105.519	1.2047	109.015	1.2222	112.580	26
7	1.1667	01.750	1.1852	105.145	1.2047	108,608	1.2222	112.139	1.2407	115.738	27
8.1	1.18521	04.840	1.2047;	108.269	1.2222	111.765	1.2407	115.330	1.2593	118,963	28
29	1.2047	07.997	1.2222	111.460	1.2407	114.991	1.2593	118.590	1.2778	122,256	29
10	1,2222	11,222	1 2407	114.719	1.2593	118.284	1.2778	121.917	1.2963	125.617	30
		14.515									
12 1	1.25931	17.877	1.2778	21.441	1.2963	125,074	1.3148	128,775	1.3333	132 543	32
13 1	1.27781	21.306	1.2963	24.904	1.3148	128, 571	1.3333	132.306	1.3519	136, 108	33
14	1,2963	24.802	1.3148	28.435	1.3333	132.136	1.3519	135.904	1.3704	139,741	34
35	1,3148	28.367	1.3333	32.034	1.3519	135.769	1.3704	139.571	1.3889	143,441	35
		32.000									
7	1,3519	35.701	1.3704	139.435	1.3889	143.238	1 4074	147.108	1 4959	151 046	37
88	1.3704	139.469	1.3889	143.238	1.4074	147.074	1.4259	150.978	1.4444	154.951	38
39	1.3889	43.306	1.4074	147.108	1.4259	150.978	1.4444	154.917	1.4630	158.923	39
10	1.4074	147.210	1,4259	151.046	1.4444	154.951	1.4630	158.923	1.4815	162.963	40
11	1 4959	151.182	1 4444	155 059	1 4630	159 991	1 4915	169 007	1 5000	167 071	41
121	1.4444	155.222	1.4630	159.127	1.4815	163.099	1 5000	167 139	1 5185	171 947	4.2
13	1.4630	159.330	1.4815	163, 269	1.5000	167, 275	1 5185	171.849	1.5370	175 401	49
14	1.4815	163.506	1.5000	167.478	1.5185	171.519	1.5370	175.627	1.5556	179.809	44
15	1.5000	167.750	1.5185	171.756	1.5370	175.830	1.5556	179.972	1.5741	184.189	45
		172.062									
17	1.5370	176.441	1.5556	180.515	1.5741	184 657	1 5006	188 967	1 6111	193 145	47
18	1.5556	180.889	1.5741	184, 997	1.5926	189, 179	1 6111	193 417	1 6996	197 799	40
19	1.5741	185.404	1.5926	189.546	1.6111	193.756	1 6296	198 084	1 6481	202 380	49
50	1.5926	189.988	1.6111	191.164	1.6296	198, 407	1.6481	202.719	1.6667	207.099	50
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	4	1	4	2	4	3	4	14	4	15	
Foot.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Feet.
0	.7593	57.071	.7778	59.889	.7963	62.775	.8148	65.728	.8333	68.750	0
1	.7778	58.497	.7963	61,349	.8148	64,269	. 8333	67.256	,8519	70.312	1
2	.7963	59.991	.8148	62.877	. 8333	65.830	.8519	68.852	.8704	71.941	2
3	.8148	61.552	.8333	64.472	8519	67.460	.8704	70.515	.8889	73.639	3
4	.8333	63.182	.8519	66.136	.8704	69.157	.8889	72.247	.9074	75.404	4
5	.8519	64.880	.8704	67.867	,8889	70.923	.9074	74.046	.9259	77.238	5
6	.8704	66.645	.8889	69.667	.9074	72.756	.9259	75.914	.9444	79.139	6
7	.8889	68.478	.9074	71.534	.9259	74.657	.9444	77.849	.9630	81.108	7
8	.9074	70.380	.9259	78.469		76.627	.9630	79.852	.9815	83.145	
9	. 9259	72.349	.9444	75.472	.9630	78.664	.9815	81.923	1.0000		
10	.9444	74.386	.9630	77.548	.9815	80.769	1.0000	84,062	1.0185	87.423	10
11	.9630	76.491	.9815	79.682	1.0000	82.941	1.0185	86.269	1.0370	89.664	11
	.9815	78.664	1.0000	81.889			1.0370	88.543	1.0556		
	1.0000	80.904	100 000 000		1.0370		1.0556	1000000	1.0741		13
	1.0185	83,213			1.0556				1.0926	100000000000000000000000000000000000000	
15	1.0370	85.519	1,0556	88.917	1.0741	92.312	1.0926	95.775	1.1111	99,306	15
	1.0556		1.0741		1.0926		1.1111	98.321	1,1296	101.886	16
	1.0741	90.546	1.0926			97.404		100.935		104.534	
	1.0926	93.127	1.1111			100.052		103.617		107.250	
	1.1111	95.775	1.1296			102.769				110.034	
20	1.1296	98.491	1.1481	101.988	1,1667	105.552	1.1852	109.185	1.2047	112.886	20
21	1.1481	101.275	1.1667	104,806	1.1852	108.404	1.2047	112,071	1.2222	115.806	21
22	1.1667	104.127	1.1852	107.691	1.2047	111.324	1.2222	115.025		118.793	
		107.046	1.2047	110.645	1.2222	114.312	1.2407	118.046		121.849	
		110.034		113.667	1.2407	117.367	1.2593	121.136	1.2778	124.972	24
25	1.2222	113.090	1.2407	116.756	1.2593	120.491	1.2778	124, 293	1.2963	128.164	25
26	1.2407	116.213	1.2593	119.914	1.2778	123.682	1.2963	127.519	1.3148	131.423	26
27	1.2593	119.404	1.2778	123.139	1.2963	126.941	1.3148	130.812	1.3333	134.750	27
28	1.2778	122.664	1,2963	126,432	1.3148	130.269	1,3333	134.173	1.3519	138.145	28
		125.991	1.3148	129.793	1.3333	133.664	1.3519	137.602	1.3704	141.608	29
30	1.3148	129.386	1.3333	133.222	1.3519	137.127	1.3704	141.099	1.3889	145,139	30
31	1.3333	132.849	1.3519	136.719	1.3704	140.657	1.3889	144.664	1.4074	148.738	31
32	1.3519	136.380	1.3704	140.284	1.3889	144.256		148.296		152,404	
33	1.3704	139.978	1.3889	143.917	1.4074	147.923	1,4259	151.997	1.4444	156.139	39
34	1.3889	143.645	1.4074	147.617	1.4259	151.657	1.4444	155.765	1.4630	159.941	34
35	1.4074	147.380	1.4259	151.386	1.4444	155.460	1.4630	159,602	1.4815	163,812	35
36	1.4259	151.182	1.4444	155.222	1.4630	159.330	1.4815	163.506	1.5000	167 750	36
37	1.4444	155.052		159.127				167.478		171.756	
38	1.4630	158.991	1.4815	163.099	1.5000	167.275		171.519		175.830	
39	1.4815	162,997	1.5000	167.139	1.5185	171.349	1.5370	175.627		179.972	
10	1.5000	167.071	1.5185	171.247	1.5370	175.491	1.5556	179.802		184.182	
11	1.5185	171.243	1.5370	175.423	1.5556	179.701	1.5741	184.046	1.5926	188.460	41
		175.423						188,358		192.806	
13	1.5556	179.701						192.738			
14	1.5741	184.046	1.5926	188,358	1.6111	192.738	1.6296	197.185		201.701	
5	1.5926	188.460								206.250	
16	1.6111	192.941	1.6296	197.321	1.6481	201.769	1.6667	206.284	1.6859	210.867	46
		197.491								215.552	
								215.654			
								220.441			
50	1.6852	211.546	1.7037	216,062	1.7222	220,645	1.7407	225.296	1.7593	230.015	56
-	-		-	100					2 2 2 2 2	1000	_
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И	4	6	4	7	4	8	4	9	5	0	1
j.	Mult	Add	Mult.	Add.	Mult.	Add.	Mult.	Ådd	Mult.	Add	Page.
0	.8519	71,840	.8764	74.997	6889	78.222		81.515			
1	. 8794	73.435	. 6689	76.627		79.886		83.213			
2	exxx.		.9074	80,090		83.417	9630	86.812			
3	9974	76.830	.9444	81.923			.9815				
5		80.497	.9630	83.824			1.0000				
6	.9639	82.432	.9815	85.793	1.0000	89.222	1.0185	92.719	1.0370	96.28	1 6
7	.9815	84.435	1.0000	87.830	1.0185	91.293	1.0370	94.824	1.0556	98.423	
		86.596	1.0185	89.935	1.0370	93.432	1.0556	96.997	1.0741	100.630	9 8
	1.0185	88.615					1.0741				
-					1)		1.1111		1 1 1 V 100		
		93.127									
		97.880									
14	1.1111	100.358.	1.1296	103.991	1.1481	107.691	1.1667	111.460	1.1852	115.29	6]14
		102.904									
6	1.1181	105.519	1.1667	109,219	1.1852	112.988	1.2047	116.824	1.2222	120.728	8 16
7	1.1667	108,201	1.1852	111.935	1.2047	115.738	1.2222	119.608	1.2407	123.54	917
8	1.1852	110.951 113.769	1.2047	114.719	1.2222	118.000	1 9599	122.460	1.2393	120.430	2)18 2)18
9	1 9999	116.654	1.2407	120,491	1.2593	124.395	1.2778	128.367	1.2963	132, 407	7 20
		119.608									
1-2	1 9593	199 630	1.2778	126.534	1.2963	130,506	1.3148	134,546	1.3333	138,65	1122
3	1.2778	125.719	1.2963	129.657	1.3148	133.664	1.3333	137.738	1.3519	141.88	0 23
:4	1.2963	128.877	1.3148	132.849	1.3333	136.889	1,3519	140.997	1.3704	145, 173	5]24
25	1.3148	132.102	1.3333	136.108	1.3519	140.182	1.3704.	144.324	1.3889	148.534	132
26	1.3333	135.395	1.3519	139.435	1.3704	143.543	1.3889	147.719	1.4074	151.96	3 26
27	1.3519	138.756	1.3704	142.830	1.3889	146.972	1.4074	151.182	1.4259	155.460	927
85	1.3704	142.185 145.682	1.3889	140,223	1 1959	154 034	1 4444	158 919	1.4630	169 650	7 29
30	1.4074	149.247	1.4259	153.423	1.4444	157.667	1.4630	161.978	1.4815	166.358	8 30
		152.880									
32	1.4444.	156.580	1.4630	160.824	1.4815	165.136	1.5000	169.515	1.5185	173.96	3 32
13	1.4630	160.349	1.4815	164.627	1.5000	168.972	1.5185	173.386	1.5370	177.86	7 33
14	1.4815	164.185	1.5000	168.497	1.5185	172.877	1.5370	177.324	1.5556	181.84	0 34
		168,090									
36	1.5185	172.062	1.5370	176.441	1.5556	180.889	1.5741	185.404	1.5926	189.98	8 36
17	1.5370.	176.102 180.210	1,5506	180.515	1.5096	184.997	1.5926	109.046	1 6996	194.16	1 25
18	1.5535	184.386	1 5096	188 867	1 6111	193.113	1 6296	198.034	1.6481	202.719	39
10	1.5926	188.630	1.6111	193.145	1.6296	197.728	1.6481	202.380	1.6667	207.099	9 46
		192.941									
12	1.6296	197.321	1.6481	201.904	1.6667	206.556	1.6852	211.275	1.7037	216,063	2 42
13	1.6481	201.976	1.6667	206.386	1.6852	211.071	1.7037	215.824	1.7222	220.64	5 48
4	1.6667	206.284	1.6852	210.935	1.7037	215.654	1.7222	220,441	1.7407	225.29	6 44
		210.867									
16	1.7037	215.519	1.7222	220.238	1.7407	225.025	1.7593	229.880	1.7778	234.805	2 26
17	1.7222	220.238 225.025	1.7407	224,991	1 7778	231 667	1 7963	239 590	1.8148	244 586	148
19	1 7593	999 880	1.7778	234 701	1.7963	239.590	1.8148	244.546	1.8333	249.57	149
50	1.7778	234.802	1.7963	239.657	1.8148	244.580	1.8333	249.571	1.8519	254.630	56
T	4	6	4	7	4	8	4	9	5	0	T

#### TABLE LVIL-BASE 1.-SLOPES 3 to 1.

		1		2	0	3		1		5	
Feet.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Feet.
0	.0185	0.037	.0370	0.148	.0556	0.833	.0741	0.593	.0926	0.926	0
1	.0370	0.111	. 0556	0.259	.0741	0.481	.0926	0.778	.1111	1.148	
2	.0556	0.259	.0741	0.444	.0926	0.704	.1111	1.037	.1296	1.444	
3	.0741	0.481	.0926	0.704	.1111	1.000		1.370	.1481	1.815	
4	.0926	0.778	.1111	1.037	.1296	1.370	.1481	1.778	.1667	2.259	
5	.1111	1,148	.1296	1.444	,1481	1.815	.1667	2.259	.1852	2.778	
6	.1296	1.593	.1481	1.926	.1667	2.333	.1852	2.815	.2037	3.370	
7	.1481	2.111	.1667	2.481	.1852	2.926	.2037	3.444 4.148	.2222	4.037	
8	.1667	2.704	.2037	3.111	.2222	3.593 4.333	.2407	4. 926	.2407	4.778 5.593	
9	.1852	3.370 4.111	.2222	3.815 4.593	.2407	5.148	.2593	5.778	.2778	6,481	
0.1	. 2222	4.926	. 2407	5.444	.2598	6.037	.2778	6.704	.2963	7.444	
1		5.815	.2593	6.370	.2778	7.000	.2963	7.704	.3148	8.481	
2 3	.2407	6.778	.2778	7.370	.2963	8.037	.3148	8.778	. 3333	9.593	
4	.2778	7.815	.2963	8.444	.3148	9.148	. 3333	9.926	.3519	10.778	
5	.2963	8.926	.3148	9.593	.8333	10.333	.3519	11.148	.3704	12.037	
6	.3148	10.111	.3333	10.815	. 3519	11.593	.3704	12.444	.3889	13.370	
7	.3333	11.370	.3519	12.111	.3704	12.926	.3889	13.815	.4074	14.778	
8	.3519	12.704	.3704	13.481	.3889	14.333	.4074	15.259	.4259	16.259	
9	.3704	14.111	.3889	14.926	.4074	15.815	. 4259	16.778	.4444	17.815	
0	.3889	15.593	.4074	16.444	.4259	17.370	.4444	18.370	.4630	19.444	
1	.4074	17.148	.4259	18.037	.4444	19,000	.4630	20.037	.4815	21.148	21
2	.4259	18.778	. 4444	19.704	.4630	20.704	.4815	21.778	.5000	22.926	22
3	.4444	20.481	.4630	21.444	.4815	22.481	.5000	23.593	.5185	24.778	23
4	.4630	22, 259	.4815	23.259	.5000	24.333	.5185	25.481	.5370	26.704	24
5	.4815	24.111	.5000	25,148	.5185	26.259	.5370	27.444	.5556	28.704	25
6	.5000	26.037	.5185	27.111	.5370	28.259	. 5556	29,481	.5741	30.778	
7	.5185	28.037	.5370	29.148	.5556	30.333	.5741	31.593	.5926	32.926	
8	.5370	30.111	. 5556	31.259	.5741	32,481	.5926	33.778	.6111	35.148	
9	. 5556	32.259	.5741	33.444	.5926	34.704	.6111	36.037	.6296	37.444	
0	.5741	34,481	.5926	35.704	.6111	37.000	. 6296	38.370	. 6481	39.815	
1	. 5926	36.778	.6111	38.037	. 6296	39.370	. 6481	40.778	. 6667	42.259	
2	.6111	39.148	. 6296	40.444	. 6481	41.815	. 6667	43,259	. 6852	44.778	
3	. 6296	41.593	. 6481	42.926	. 6667	44.333	. 6852	45.815	.7037	47.370	
4	. 6481	44.111	.6667	45.481	. 6852	46.926	.7037	48.444	.7222	50.037	
5	.6667	46.704	.6852	48,111	.7037	49.593	.7222	51.148	.7407	52.778	
6	. 6852	49.370	. 7037	50.815	.7222	52.333	.7407	53.926	.7593	55.593	
7	.7037	52.111	.7222	53.593	.7407	55,148	.7598	56.778	.7778	58.481	100
8	.7222	54.926	.7407	56.444	.7593	58.037	.7778	59.704	. 7963	61.444	
9	.7407	57.815	.7593	59.370	.7778	61,000	.7963	62.704	.8148	64.481 67.593	
0	.7593	60.778	.7778	62.370	.7963	64.037	1000000	65.778		Carrier day	301
1	.7778	63.815	.7963	65.444	.8148	67.148	.8333	68.926	.8519	70.778	
2	.7963	66,926	.8148	68.593	. 8333	70.833	.8519	72.148	.8704	74.037 77.370	
3	.8148	70.111	.8333	71.815	.8519	73.593 76.926	.8889	78.815	.9074	80,778	
4 5	.8333	73,370 76,704	.8519 .8704	75.111 78.481	.8704	80.333	.9074	82.259	.9259	84.259	
6	.8704	80.111	.8889	81.926	.9074	for his fellowing the con-	.9259	85.778	.9444	87.815	
7	.8889	83.593	.9074	85,444	.9259	83,815 87,370	.9444	89.370	.9630	91.444	
8	.9074	87.148	.9259	89.037	.9444	91.000	.9630	93.037	.9815	95.148	
9	.9259	90.778	.9444	92,704	.9630	94.704	.9815	96.778		98.926	
0	.9444	94.481	.9630		.9815	98.481		100.598			
		Lector	1.033				-		-		_
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Poot.	Mult.	Add	Mult.	Add	Mult.	Add.	Mult.	Add	Mult.	Add	Feet.
0	.1111	1,333	.1296	1.815	.1481	2.370	.1667	3.000	.1852	3.704	0
1	.1296	1.593	.1481	2.111	.1667	2.704	.1852	3.370	.2037	4.111	1
2	.1481	1.926	.1667	2.481	.1852	3.111	.2037	3.815	.2222	4.593	2
3	.1667	2.333	.1852	2.926	.2037	3.593	. 2222	4.333	.2407	5.148	
4	.1852	2.815	.2037	3.444	. 2222	4.148	.2407	4.926	.2593	5.778	4
5	.2037	3.370	. 2222	4.037	.2407	4.778	.2593	5.593	.2778	6.481	5
6	.2222	4.000	.2407	4.704	. 2593	5.481	.2778	6.333	.2963	7.259	6
7	-2407	4.704	. 2593	5.444	.2778	6.259	.2963	7.148	.3148	8.111	
8	.2593	5.481	.2778	6.259		7.111	.3148		.3333		
9			.2963			8.037	. 3333		.3519		
10			.3148	8.111	. 3333	9.037	.3519	10.037	.3704		
11	.3148	8.259	. 3333	9.148	1	10.111	.3704	11.148	.3889	12.259	150
12			.3519	10.259			.3889		.4074		
13			.3704	11.444	.3889	12.481	.4074				
14	1.000		.3889						.1111		
15	10.0000	13,000	.4074		.4259	13.778 15.148	.4259				
	100000			1000	1			10000	100000		
16			.4259	100000	.4444	16.593	2777		.4815	19.111	
17		15.815	.4144			18.111	.4815		.5000		
18			.4630	18.481	.4815	19.704	.5000				
19			.4815		.5000	21,370	.5185	I has been all to be an artist	.5370		
20	0.00	100000000000000000000000000000000000000	.5000	21.815	.5185	23.111	.5370	24.481	. 5556	25,926	20
21	.5000	22.333	.5185	23,593	.5370	24.926	. 5556	26.333	.5741	27.815	21
22	.5185	24.148	.5370	25.444	.5556	26.815	.5741	28.259	.5926	29.778	22
23	.5370	26.037	. 5556	27.370	.5741	28.778	. 5926	30.259	.6111	31.815	23
24	.5556	28.000	.5741	29.370		30.815	.6111		.6296	33.926	24
25	.5741	30.037	.5926			32.926			. 6481	36.111	25
26	.5926	32.148	.6111	33,593		35.111	.6481	36.704	.6667	38.370	26
27			. 6296		.6481	37.370	.6667		. 6852	40.704	
28			.6481		.6667	39.704			.7037	43.111	
29			.6667	40.481	. 6852	42.111	.7037		.7222	45.593	
30			.6852			44.593	.7222	46.333			
31						1000	and the second	T-107 (AT-107)	1000000		
32	. 6852	1 10000.0000	.7037	45.444	.7222	47.148	.7407		. 7593		
33			.7222,	48.037	.7407	49.778	.7593		.7778		
34			.7407	50.704	.7593	52.481	-7778	54.333			
35			.7593		.7778	55.259	.7963		.8148		
	10000		.7778	56.259	.7963	58.111	.8148	10.00 10.00 10.00	.8333	H-611120, 11-675	
36			.7963	59.148	.8148	61.037	.8333	63,000	.8519		
37	.7963		.8148	62.111	. 8333	64.037	.8519	66.037	.8704		
38			.8333	65.148	.8519	67.111	.8704	69.148	.8889	71.259	
39			.8519	68.259	.8704	70.259	.8889	72.333	.9074		39
40	.8519	69,481	.8704	71.444	.8889	73.481	.9074	75.593	.9259	77,778	40
41	.8704	72.704	.8889	74.704	.9074	76.778	.9259	78.926	.9114	81.148	41
42			.9074	78.037	.9259	80.148	.9444	82.333	.9630		
43			.9259	81,444	.9444	83.593		85.815	.9815		
44	19.000.00		.9444	84.926	.9630	87.111	.9815	89.370			
45			.9630	88.481	.9815					95.370	
46		C. C. C. C. C.	.9815	92.111				96.704	the second second		
47			1.0000								
								100.481		106,815	
		97.333									
50	1 0270	101.143	1 0556	107 970	1 0741	100.810	1 0000	119 950	1 1111	114 915	50
90	1.0070	105.037	1.0000	101.370	1.0/41	109.778	1.0020	112.239		111.010	30
Т		0	1		7					0	
M		6	1	7	8	5		9	1	0	

9	1	1	1	2	1	3	1	4	1	5	
Peet.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Mult.	Add	Mult.	Add.	Peet.
0	. 2037	4.481	.2222	5.833	. 2407	6.259	.2593	7.259	.2778	8.333	
1	. 2222	4.926	.2407	5.815	. 2593	6.778	.2778	7.815	. 2963	8.926	
2	.2407	5.444	.2593	6.370	.2778	7.370	.2963	8.444	.3148	9.593	
3	. 2593	6.037	.2778	7.000	. 2963	8.037	.3148	9.148	. 3333	10.333	
4	.2778	6.704	. 2963	7.704	,3148	8,778	.3333	9.926	.3519	11.148	
5	.2963	7.444	.3148	8.481	. 3333	9.593	. 3519	10.778	.3704	12.037	5
6	.3148	8.259	.3333	9.333	.3519	10.481	. 3704	11.704	.3889	13.000	6
7	. 3333	9.148	.3519	10.259	.3704	11.444	.3889	12.704	.4074	14.037	7
8	.3519	10.111	.3704	11,259	.3889	12.481	.4074	13.778	.4259	15,148	8
9	.3704	11.148	.3889	12,333	.4074	13.593	.4259	14.926	.4444	16.333	9
10	.3889		.4074	13.481	.4259	14.778	.4444	16.148	.4630	17,593	10
11	.4074	13.444	.4259	14.704	.4444	16.037	.4630	17.444	.4815	18.926	11
	.4259	A 10 TO 10 T	.4444		.4630	17.370	.4815	18.815	.5000	20.333	
13	.4444	14.704	.4630	16.000 17.370	.4815	18.778	.5000	20.259	.5185	21.815	
14	.4630	16.037 17.444	.4815	18.815	.5000	20.259	.5185	21.778	.5370	23.370	
15	.4815	18.926	.5000	20.333	.5185	21.815	.5370	23.370	.5556	25.000	
	N DOWNER	500 Sec. 1	100000		14.355 NO	23.444	.5556	25.037	.5741	26.704	170
16	.5000	20.481	.5185	21.926	.5370			26.778	.5926	28.481	
7	.5185	22.111	.5370	23.593	. 5556	25.148	.5741		.6111	30.333	
18	.5370		.5556	25.333	.5741	26.926	.5926	28,593 30,481	.6296	32.259	
19	. 5556	25.593	.5741	27.148	.5926	28.778	.6111		.6481	34.259	
20	.5741	27.444	.5926	29.037	.6111	30.704	.6296	32,444	1000000	100000000000000000000000000000000000000	100
21	.5926	29.370	.6111	31.000	.6296	32.704	. 6481	34.481	.6667	36.333	1
22	.6111	31.370	.6296	33.037	. 6481	34.778	.6667	36.593	. 6852	38.481	
23	.6296	33.444	.6481	35.148	. 6667	36.926	. 6852	38.778	.7037	40.704	
24	.6481	35.593	.6667	37.333	. 6852	39.148	.7037	41.037	.7222	43.000	
25	.6667	37.815	.6852	39.593	.7037	41.444	.7222	43.370	.7407	45,370	
26	. 6852	40.111	.7037	41.926	.7222	43.815	.7407	45.778	.7598	47.815	
27	.7037	42.481	.7222	44.333	.7407	46.259	.7593	48.259	.7778	50.333	27
28	.7222	44.926	.7407	46,815	.7593	48.778	.7778	50.815	. 7963	52.926	
29	.7407	47.444	.7593	49.370	.7778	51.370	.7963	53.444	.8148	55.593	29
30	.7593	50.037	.7778	52.000	.7963	54.037	.8148	56.148	.8333	58.333	30
31	.7778	52.704	.7963	54.704	.8148	56.778	.8333	58.926	.8519	61.148	31
32	.7963	55.444	.8148	57.481	.8333	59.598	.8519	61.778	.8704	64.037	
33	.8148	58.259	.8333	60.333	.8519	62.481	.8704	64.704	.8889	67.000	
34	.8333		.8519	63.259	.8704	65.444	.8889	67.704	.9074	70.037	34
35	.8519	64.111	.8704	66.259	.8889	68.481	.9074	70.778	.9259	73.148	35
	T	1000	A COLOR	7757 36%	.9074	71.593	.9259	73.926	.9444	76.333	28
36 37	.8704	67.148	.8889	69.333	.9259	74.778	.9444	77.148	.9630	79.593	
38	.8889	70.259	.9074	72.481	.9444	78.037	.9630	80,444	.9815	82.926	
39	.9074		.9259	75.704	.9630	81.370	.9815	83.815	1,0000	86.333	
10	.9259		.9444	79,000 82,370	.9815		1.0000	87.259		89.815	
34	100	100 000 000	1000	17,000 T. DO		F-1-3-1-1-1-1	Proceedings of the control of the co	Part of the second	Oliver Street	100	100
11	.9630		.9815	85.815			1.0185		1.0370	97.000	
12	.9815		1.0000	89,833			1.0370	20011435	1.0556		
	1.0000				1.0370	90.444	1.0556	98.037 101.778	1 0000	104 491	44
	1.0185	94.111	1.0370	96.593	1.0556	109 000	1 0000	105 509	1 1111	108 939	45
	1.0370	97.815	1.0556	100.333	1.0741	102,926	1.0926	105,593		110.000	10
16	1.0556	101.593	1.0741	104,148	1.0926	106.778	1.1111	109.481	1.1296	112.259	46
17	1.0741	105.444	1.0926	108.037	1.1111	110.704	1.1296	113.444	1.1481	116.259	47
18	1 0926	109 370	1.1111	112.000	1.1296	114.704	1.1481	117.481	1.1667	120.333	48
19	1.1111	113.370	1.1296	116.037	1.1481	118.778	1.1667	121.593	1.1852	124, 481	49
50	1.1296	117.444	1.1481	120.148	1.1667	122.926	1.1852	125.778	1.2047	128.704	50
	100				-		-		-		-
	1	1	1	2	1	3	1	4	1	5	

	1	6	1	7	1	8	1	9	2	0	
Post,	Mult.	Add.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Poot.
0	,2963	9.481	.3148	10.704	.3333	12.000	.3519	13.370	.3704	14.815	0
1	.3148	10,111	. 3333	11,370		12.704	.3704	14.111		15.593	
2	. 3333	10.815	.3519	12, 111	.3704	13.481	.3889	14.926	.4074	16.444	
3		11.593	.3704	12.926	.3889		.4074	15.815		17.370	
4	.3704	7-7-7-7-7	.3889			15.259		16.778		18.370	
5	.3889	13.370	.4074	14.778	. 4259	100000	.4444	17.815	and the second	19.444	5
6	.4074	10.00	. 4259	15.815		17.333	.4630	18.926		20.593	
7		15.444	.4444	16,926	.4630		.4815	20.111		21.815	
8		16.593		18,111		19.704					8
9		17.815	.4815	19.370	.5000	21.000			.5370	24.481	9
10		19,111		20.704	L	22.370	1000	100	1	25.926	
11		20.481	:5185	22.111	.5370			25.593			
12		21.926		28,593		25.883	.5741	27.148			
13		23.444		25.148		26.926			.6111	30.704	
14		25.037	.5741	26.778		28.593		30.481			
15	200.00	26.704	.5926	28,481	.6111	10000	100000	32,259	17 10 10 10 10		
16		28,444		30.259	. 6296	32.148		34.111		36,148	
17		80,259		32, 111	. 6481	34.037				38.111	
18		32.148		34.037	.6667	36.000				40,148	
19		34.111	.6667	36,037		38.037	.7037	40.111		42.259	
30	1	36,148	. 6852	38, 111	1000	40.148	1000	ACCOUNT AND		44.444	
21		38, 259	.7037	40, 259		42.333				46.704	
22	.7037	40.444	.7222	42,481		44.593				49.037	
23		42.704	.7407	44.778		46.926				51.444	
24		45.037		47.148		49.333				53.926	
25	.7393	47.444	.7778	49.593	.7963	51.815	.8148	54.111	.8333	56,481	25
26		49,926	.7963	52.111	.8148	54.370	.8333	56.704	.8519	59.111	26
27		52.481	.8148	54.704	. 8333	57.000	.8519	59.370		61.815	
28		35.111	. 8333	57, 370		59.704		62.111		64.593	28
29						62.481					
30	. 8519	60,593	.8704	62.926	.8889	65.333	.9074	67,815	.9259	70.370	(30
31		63.444				68.259	.9259	70.778		73,370	(31
32		66.379		68.778		71.259	.9444				
33	100000	69.370				74.333					
34		72.444		74.926		77.481			1,0000		
35	100 700	75,593	1	78.111	.9815	1000 C C C C C C	1.0000	- C. C. C.	1.0185	86.111	35
36		78.815							1.0370	89,481	36
37	.9813	83.111	1.0000	84.704	1.0183	87.370	1.0370	90.111	1,0556		
		85.481								96,444	
								97.148			
								100,778			
41	1.0536	96.037	1.0741	98.778				104.481			
42	1.0741	99.704	1.0936	102.481	1.1111	105.338	1.1296	108,259	1.1484	111.259	42
								112.111			
44	LILL	107.259	1. 1296	ILO. ELI	1.1481	1 13 MSZ	1.1667	116,037	1.1832	119.111	44
						FET. 000	1.1852	120.037	1.2047	123, 148	45
		115.111			the second second			124.111			
		119.148						128_259			
48	1.1852	133.259	1.2047	126.259	1.2222	139,333	1.2407	132,481	1.2593	135.704	48
49	1.2047	137.444	1. 3333	130.481	1.2407	133, 593	1.2593	136,778	1.2778	140.037	49
54)	1.2222	131.704	6.2407	13-1.778	1.2393	137.926	1.2778	141.,148	1.2963	144.444	50
	1	6	1	7		9		0		200	
		4				8		9	- 2	30	1

	2	1	2	2	2	3	2	24	2	25	
Peet.	Mult.	Add.	Mult,	Add.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Feet.
0	.3889	16.333	.4074	17.926	.4259	19.598	.4444	21.333	.4630	23,148	
1	.4074	17.148	.4259	18.778	.4444	20.481	.4630	22.259	.4815	24,111	1
2	.4259	18.037	.4444	19.704	.4630	21.444	.4815	23.259	.5000	25.148	
3	.4444	19.000	.4630	20.704	.4815	22.481	.5000	24.333	.5185	26.259	
4	.4630	20.037	.4815	21.778	.5000	23.593		25.481	.5370	27.444	4
5	.4815	21.148	.5000	22.926	.5185	24.778	.5370	26.704	.5556	28.704	5
6	.5000	22,333	.5185	24.148	.5370	26.037	.5556	28.000	.5741	30.037	6
7	.5185	23,593	.5370	25.444	.5556	27.370	.5741	29.370	.5926	31,444	
8	.5370	24.926	.5556	26.815 28.259	.5741	28.778	.5926	30.815 32.333	.6111	32.926 34.481	
9 10	.5556	26.333 27.815	.5741	29.778	.5926	30.259 $31.815$	.6296	33.926	.6481	36.111	
	1000000	0.000	1000.00	1997	1100 500		10,000,000	0.0000000000000000000000000000000000000	1000000		10.5
11	.5926	29.370	.6111	31.370	. 6296	33.444	.6481	35.593	.6667	37.815	
12 13	.6111	$31.000 \\ 32.704$	. 6296	33.037	.6481	35.148 $36.926$	.6667	37.333 39.148	.6852	39.593 41.444	
14	.6481	34.481	.6481	34.778 36.593	. 6852	38.778	.7037	41,037	.7222	43.370	
15	.6667	36,333	.6852	38.481	.7037	40.704	.7222	43.000	.7407	45.370	
100	Parallel Land	DEC. 2000	1000	Company of the last	100	JOHN W. A. H.	.7407	45.037	.7598		100
16	.6852 .7037	38.259	.7037	40,444 42,481	.7222 .7407	42.704 $44.778$	.7593	47.148	.7778	47.444	
17 18	.7222	40.259 $42.333$	.7222 .7407	44,593	.7593	46,926	.7778	49,333	.7963	51.815	
19	.7407	44, 481	.7593	46.778	.7778	49,148	.7963	51.593	.8148	54.111	
20	.7593	46.704	.7778	49.037	.7963	51.444	.8148	53.926	.8333	56.481	
	100000	(2.37.70.10)	10 miles 1	1000	10.00	77.77	.8333	27.7	1112321	58.926	
21 22	.7778	49.000	.7963	51.370	.8148	53.815	.8519	56.333 58.815	.8519 .8704	61.444	
23	.7963 .8148	51,370 53,815	.8148	53.778 56.259	.8519	56.259 58.778	.8704	61.370	.8889	64.037	
$\frac{20}{24}$	.8333	56.333	.8519	58.815	.8704	61.370	.8889	64.000	.9074	66.704	
25	.8519	58.926	.8704	61.444	.8889	64.037	.9074	66.704	.9259	69.444	
26	(R. 416.131)	Harry American	1000000	Mark Comment	.9074	and the second	.9259	69,481	.9444	72.259	
27	.8704	61.593 64.333	.8889	64.148 66.926	.9259	66.778 69.593	.9444	72.333	.9630	75.148	
28	.9074	67.148	.9259	69.778	.9444	72.481	.9630	75.259	.9815	78.111	
29	.9259	70.037	.9444	72.704	.9630	75.444	.9815	78.259	1.0000	81.148	
30	.9444	73.000	.9630	75.704	.9815		1.0000	81.333	1.0185	84.259	
31	.9630	76,037	.9815	78.778	3. 2.30	81.593	111111111111111111111111111111111111111	84,481	1.0370	87.444	100
32	.9815	79.148		81.926			1.0370	87.704	1.0556	90.704	
	1.0000	82.333		85.148			1.0556		1.0741	94.037	
	1.0185		1.0370	88.444		91.370		94.370	1.0926	97.444	
	1.0370		1.0556	91.815		94.778		97.815	1.1111	100.926	
27.7	1.0556	92.333	1 0741	95 959	1.0926	98 959	1.1111	101.383	1.1296	104,481	36
	1.0741	95.815				101.815				108,111	
	1.0926			102.370						111,815	
39	1.1111			106.037						115.593	
40	1.1296	106.704	1.1481	109.778	1.1667	112.926	1.1852	116.148	1.2047	119,444	40
41	1.1481	110,481	1.1667	113.593	1.1852	116,778	1.2047	120.037	1.2222	123.370	41
				117.481						127.370	
43	1.1852	118.259	1.2047	121,444	1.2222	124.704	1.2407	128,037		131.444	
44	1.2047	122.259	1.2222	125.481	1.2407	128.778	1,2593	132.148		135.593	
45	1.2222	126.333	1.2407	129.593	1.2593	132.926	1.2778	136.333	1.2963	139.815	45
46	1.2407	130.481	1.2593	133.778	1.2778	137.148	1.2963	140.593		144, 111	
47	1.2593	134.704	1.2778	138.037	1.2963	141.444	1.3148	144.926		148,481	
48	1.2778	139.000	1.2963	142.370	1.3148	145.815	1.3333	149.333		152.926	
49	1.2963	143.370	1.3148	146.778	1.3333	150.259	1.3519	153.815		157.444	
50	1.3148	147.815	1.3333	151.259	1.3519	154.778	1.3704	158.370	1.3889	162,037	50
	2	1	2	2	2	3	2	24	2	5	

## TABLE LVIL_BASE 1._SLOPES 3 to 1.

П	2	6	2	7	2	8	2	9	3	10	
Poot.	Mult.	Add.	Mult.	Add.	Mult.	Add	Malt.	Add	Mult.	Add.	Post.
0	.4815	25.037	.5000	27.000	.5185	29.037	.5370		.5556	33,333	
1	.5000	26.037	.5185	28.037	.5370		.5556	32.259	.5741	34,481	
2				29.148		31.259	.5741		.5926	35.704	
3	. 5370	28.259		30.333	.5741	32.481	.5926		.6111	37.000	
4		29.481	.5741	31.593		33.778	.6111	36.037		38.370	
5		30.778	Manager 1	32.926	.6111	100000000000000000000000000000000000000	. 6296	37.444	. 6481	39.815	
6	. 5926	32.148	.6111	34.333	. 6296.		.6481	38.926	. 6667	41.333	
7	.6111	33.593		35.815	.6481		.6667	40.481	. 6852	42.926	
8	. 6296	35, 111	.6481	37.370	.6667	39.704	. 6852		.7037	44.593	
9	. 6481	36.704		39.000			.7037	43.815	.7222	46.333	
10	.6667	38.370	. 6852	40.704		43, 111	.7222	100000000000000000000000000000000000000	.7407	48.148	
11	. 6852	40.111	.7037		.7222		.7407	47.444	.7593	50.037	
12	.7037	41.926		44.333	.7407		.7593		.7778		
13		43.815	.7407		.7593		.7778			54.037	
14	.7407	45.778		48.259	.7778	50.815			.8148		
15	.7593	47.815	.7778	50.333	.7963	52.926	.8148	7 C 7 C 3 C 3 C 5 C 5 C	. 8333	Control	1 -
16	.7778	49.926	.7963		.8148	55.111	.8333		. 8519		
17	.7963	52.111	.8148	54.704	.8333		.8519		.8704	62.926	
18	.8148	54.370	. 8333	57,000	. 8519		.8704		.8889		
19	. 8333	56,704	.8519	59.370	.8704		.8889		.9074	67.815	
20	. 8519	59,111	.8704	61.815	.8889	64.593	100000	100	.9259	13.0 × 0.0E	1
21	. 8704	61.593	.8889	64.333	.9074	67.148	.9259	70.037	.9444	73.000	
22	. 8889	64.148	.9074	66.926	.9259	69.778	.9444	72.704	.9630	75.704	
23	.9074	66.778	.9259	69.593	.9444	72.481	.9630		.9815	78.481	
24	.9259	69.481	.9444	72.333	.9630	75.259	. 9815		1.0000	81.333	
25	. 9444	72,259	.9630	75.148	.9815	78.111	1.0000		1.0185	84.259	1
26	.9630	75.111	.9815		1.0000	81.037	1.0185		1.0370		
27		78.037	1.0000	81.000			1.0370		1.0556	90.333	-
	1,0000	81.037	1.0185		1.0370		1.0556		1.0741	93.481	
	1.0185	84.111	1.0370	87.148		90.259		the last was a si	1.0926		100
	1.0370	A A Second	1.0556	A Trime and a second	1.0741	100000000000000000000000000000000000000	1.0926		0.5.2000	100.000	
-	1.0556	90.481	1.0741	93.593	1.0926	96.778	1.1111	100.037	1.1296	103.370	31
	1.0741	93.778	1.0926	96.926	1.1111	100.148	1.1296	103.444	1.1481	110.010	52
		97.148	1.1111	100.333	1.1296	105.555	1 1007	106.926	1 1959	110.000	94
		100.593 104.111	1.1296	103.815	1 1667	110 704	1.1859	110.481 114.111	1.2047	117.593	35
36	1.1481	107.704	1.1667	111.000	1.1802	119 111	1 2047	191 509	1 9407	195 149	27
37	1.1667	111.370 115.111	1.1852	114.704	1.2047	101 000	1 9407	195 444	1 9509	120.140	20
86	1.1802	118.926	1.2047	100, 401	1 9407	195 915	1 9509	190 970	1 9778	122 000	20
40	1 9999	122.815	1.2222	196 950	1 2593	129.010	1 2778	133 370	1 2963	187 037	40
41	1.2407	126,778	1.2593	130.209	1.2778	100.010	1 9149	141 500	1 9999	145 222	49
		130.815	1.2778	104.333	1.2963	149 111	1 2222	141.593	1 2510	149 509	12
		134.926						150.111			
11	1.2963	139.111 143.370	1.0148	147 000	1 3510	150 704	1 3704	154 481	1 3889	158 329	45
46	1.3333	147.704	1.3519	151.370	1.3704	155.111	1.3889	108.926	1.4074	167.815	146
47	1.3519	152.111	1.3704	155.815	1.3889	159.593	1.4074	168.444	1.4259	170 000	47
48	1.3704	156.593	1.3889	160.333	1.4074	164.148	1.4259	108.037	1.4444	172.000	16
49	1.3889	161.148	1.4074	164.926	1.4259	168.778	1 4620	177 444	1 4815	181 481	50
00	1.4074	165.778	1.4259	169.593	1.4444	170.481	1.4000	111, 994	1.4010	101.401	00
	9	6	9	7	9	8	2	9	3	0	

	3	1	3	2	3	3	3	4	3	5	
Feet.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Mult.	Add	Mult.	Add.	Feet.
0	.5741	35.598	.5926	37.926	. 6111	40.333	. 6296	42.815	. 6481	45.370	10
1	.5926	36.778	.6111	39.148	. 6296	41.598	. 6481	44, 111	.6667	46.704	
2	.6111	38.037	. 6296	40.444	. 6481	42.926	.6667	45.481	.6852	48, 111	
3	. 6296	39.370	. 6481	41,815	. 6667	44.333	. 6852	46.926	.7087	49.593	
4	. 6481	40.778	. 6667	43,259	.6852	45.815	.7037	48.444	.7222	51.148	
5	.6667	42,259	. 6852	44.778	.7037	47.370	.7222	50,037	.7407	52.778	3
6	. 6852	43.815	.7037	46,370	.7222	49.000	.7407	51.704	.7593	54.481	1
7	.7037	45,444	.7222	48.037	.7407	50.704	.7593	53.444	.7778	56.259	
8	.7222	47.148	.7407	49.778	.7593	52.481	.7778	55.259	.7963	58.111	1
9	.7407	48.926	.7593	51.598	.7778	54.338	.7963	57.148		60.037	
10	.7593	50.778	.7778	53,481	.7963	56.259	.8148	59.111	.8333	62.037	110
1	.7778	52.704	. 7963	55.444	.8148	58.259	. 8333	61.148	.8519	64.111	11
12	.7963	54.704	.8148	57.481	. 8333	60.333	.8519	63,259		66.259	115
13	.8148	56.778	, 8333	59,598	.8519	62.481	.8704	65.444	.8889	68, 481	11
14	. 8333	58.926	.8519	61.778	.8704	64.704	.8889	67.704	.9074	70.778	14
15	.8519	61.148	.8704	64.037	.8889	67.000	.9074	70.037	.9259	73.148	11
16	.8704	63.444	.8889	66.370	.9074	69.370	.9259	72.444	.9444	75.598	3/16
17	.8889	65.815	.9074	68.778	.9259	71.815	.9444	74.926		78.111	
8	.9074	68.259	.9259	71.259	.9444	74.333	.9630	77.481	.9815	80.704	
19	.9259	70.778	.9444	73.815	.9630	76.926	.9815	80,111		83.370	11
20	.9444	73.370	.9630	76.444	.9815	79.593	1.0000	82.815	1.0185	86.111	120
21	.9630	76.037	.9815	79.148	1.0000	82.333	1.0185	85.593	1.0370	88.926	121
2	.9815	78.778		81.926	1.0185	85.148	1.0370	88.444		91.815	
	1.0000	81.593		84.778	1.0370	88.037	1.0556		1.0741	94.778	
	1.0185	84.481	1.0370				1.0741		1.0926		
25	1.0370	87.444	1.0556	90.704	1.0741	94.037	1.0926	97.444	1.1111	100.926	25
8	1.0556	90.481	1.0741	93.778	1.0926	97.148	1.1111	100.593	1.1296	104.111	120
	1.0741		1.0926	96.926		100.333					
	1.0926					103.593					
29	1.1111	100.037				106.926					
30	1.1296	103.370	1.1481	106,815		110.333					
21	1.1481	106.778	1.1667	110 959	1 1859	113.815	1.2047	117 444	1 2222	121 148	131
		110.259				117.370					
		113.815				121.000					
		117.444				124.704		128.444			
		121.148								136.111	
- 1		124.926	Part Control			132.333	100	136.148	11,100	140 037	121
		128.778				136.259		140.111		144.037	
		132.704				140.259		144.148			
		136.704				144.333		148.259			
		140.778				148.481		152.444		156.481	
- 11	a break or brooks	144.926	Contract of	Part of Alaberta	0.000000	152.704		156.704		160.778	
		149.148				157.000		161.037		165.148	
		153.444				161.370		165.444		169.598	
		157.815				165.815		169.926		174.111	
		162.259				170.338		174.481	1 Ac. a. 707	178.704	
		166.778			A TOWN THE	174.926	NSS 200	179.111	3000000	183.370	10
		171.370				179.593	and the second	183.815			
		176.037						188.593			
19	1.4815	180.778	1.5000	184.926		189.148		193.444		197.815	
		185.593									
-				-		2 4/4					-
	31 32			33			34		35	1	

#### TABLE LVIL-BASE 1.-SLOPES 3 to 1.

	3	6	3	7	3	8	3	19	4	0	
Poet.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Foot.
0	. 6667	48.000	. 6852	50.704	.7037	53.481	.7222	56.333	.7407	59,259	
1	. 6852	49.370		52,111	.7222	54.926	.7407	57.815	.7593		
2	.7037	50.815	.7222		.7407	56.444	.7593	59.370	.7778		
3	.7222	52.333	.7407		.7593	58.037	.7778	61.000	.7963	64.037	
4	.7407	53.926	.7593			59.704	.7963	62.704	.8148	65.778	
5	.7593	55.593	.7778	58.481	.7963	61.444	.8148	64.481	.8333		100
6	.7778	57.333	.7963		.8148	63.259	.8333	66.333	.8519		
7	.7963	59.148		62.111	.8333	65.148	.8519	68.259	.8704	71.444	
8	.8148	61.037	.8333	64.037	.8519	67.111	.8704	70.259	.8889		
9	.8333	63.000	.8519	66.037	.8704	69.148	.8889	72.333	.9074	75.593	
10	( - a - a - a - a - a - a - a - a - a -	65,037	.8704	68, 111	.8889	71.259	.9074	74.481	,9259		
11	.8704	67.148	.8889	70.259	.9074	73.444	.9259	76.704	.9444		
12		69.333	.9074	72.481		75,704		79.000	.9630		
13		71.593	.9259		.9444	78.037	.9630		.9815	84.778	
14		73.926	.9444		.9630	80.444			1.0000		
15	1 TO 1 TO 1	76,333	.9630	79.593	1000000	Company of the contract of the	1.0000	The state of the state of	1.0185	1 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 -	
16		78.815			1.0000		1.0185		1.0370		
	.9815		1.0000		1.0185	110000000000000000000000000000000000000	1.0370				
	1,0000		1.0185		1.0370			94.333			
	1.0185		1.0370	90.111				97.148			
	1.0370	Y	1.0556	92.926	parameter 1	(CA)	1000000	100.037	Charles Track		
						99.370					
22	1.0741	95.259	1.0926	98.778	1,1111	102,370	1.1296	106.037	1.1481	109.778	22
23	1.0926	98.259	1.1111	101.815	1.1296	105,444	1.1481	109.148	1.1667	112.926	23
						108,593					
						111,815					
26	1.1481	107.704	1.1667	111.370	1.1852	115.111	1.2047	118.926	1,2222	122.815	26
						118.481					
						121,926					
						125.444					
						129.037					
31	1.2407	124.926	1.2593	128.778	1.2778	132.704	1.2963	136, 704	1.3148	140.778	31
32	1,2593	128,593	1.2778	132.481	1.2963	136.444	1.3148	140.481	1.3333	144.593	32
33	1.2778	132.333	1.2963	136, 259	1.3148	140,259	1.3333	144.333	1.3519	148.481	33
						144.148					
-						148.111	Professional Contract of the C	the second of the second			
36	1.3333	144.000	1.3519	148.037	1.3704	152.148	1.3889	156.333	1.4074	160.593	36
						156, 259					
						160.444					
39	1.3889	156, 333	1.4074	160.481	1.4259	164.704	1 4690	109.000	1.4630	173.370	139
						169.037					
41	1.4239	164.926	1.4444	169.148	1.4630	173,444	1.4815	177.815	1.5000	182.259	141
42	1.4444	169.333	1.4630	173.593	1.4815	177.926	1.5000	182,333	1.5185	186.815	142
43	1.4630	173,815	1.4815	178,111	1.5000	182.481	1.5185	186,926	1.5370	191,444	143
4.1	1.4815	178.370	1.5000	182.704	1.5185	187.111	1.03/0	191.093	1.5556	200, 148	1
						191.815					
46	1.5185	187.704	1.5370	192.111	1.5556	196.593	1.5741	201.148	1.5926	205.778	46
47	1.5370	192,481	1.5556	196.926	1.5741	201.444	1.5926	206.037	1.6111	210.704	47
48	1.5556	197.333	1.5741	201.815	1.5926	206.370	1.6111	211.000	1.6296	215.704	18
49	1.5741	202.259	1.5926	206.778	1.6111	211.370	1.6296	216.037	1.6481	220.778	49
90	1.5926	207.259	1.6111	211.815	1.6296	216.444	1.6481	221.148	1.0667	125.926	20
	9	6	3	7	2	8		19	1	10	

342 SECOND SERIES.

.

	41		4	2	4	3	4	4	4	5	
Feet.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Feet.
0	.7593	62.259	.7778	65.333	.7963	68.481	.8148	71.704	. 8333	75.000	0
1	.7778	63.815	.7963	66.926	.8148	70.111	.8333	73.370	.8519	76.704	
2		65.444	.8148	68.593	.8333	71.815	.8519	75, 111	.8704	78,481	
3	.8148	67.148	. 8333	70.333	.8519	73.593	.8704	76.926	.8889	80.333	3
4	.8333	68.926	.8519	72.148	.8704	75.444	.8889	78.815	.9074	82.259	
5	.8519	70.778	.8704	74.037	.8889	77.370	.9074	80.778	.9259	84.259	1
6		72.704	.8889	76.000	.9074	79.370	.9259	82.815	.9444	86.333	
7		74.704	.9074	78.037	.9259	81.444	.9444	84.926	.9630	88.481	
8	F 100 C C C C C C C C C C C C C C C C C C	76.778	.9259	80.148	.9444	83.593	.9630	87.111	.9815		
9		78.926	.9444	82.333	.9630	85.815			1.0000		
10	.9444	81.148	.9630	84.593	.9815	88.111	1.0000	91.704	1.0185	95.370	10
11		83.444	.9815	86.926	1.0000	90.481		94.111	1.0370		
12			1.0000		1.0185		1.0370			100.333	
13	1.0000	88.259	1.0185	91.815	1.0370			99.148	1.0741	102.926	13
14	1.0185	90.778	1.0370	94.370	1.0556	98.037	1.0741	101.778	1.0926	105.593	14
15	1.0370	93,370	1.0556	97.000	1.0741	100.704	1.0926	104.481	1.1111	108.333	15
16	1.0556	96.037	1.0741	99.704	1.0926	103,444	1.1111	107.259	1.1296	111.148	16
		98.778	1.0926	102.481	1.1111	106.259	1.1296	110.111	1.1481	114.037	17
18	1.0926 1	01.593	1.1111	105.333	1.1296	109.148	1.1481	113.037	1.1667	117.000	18
	1.11111									120.037	
	1.12961								1.2047	123.148	20
01	1.14811	10 481	1.1667	114.833	1.1859	118 259	1 2047	122.259	1 2222	126, 333	21
	1.1667 1									129.598	1
	1.18521									132.926	120
	1.2047 1									136.333	
25	1.2222 1	28 870	1.2407	127.870	1.2593	131 444	1 2778	135.593	1.2968		
	1.2407 1										
	1.2593 1										
	1.2778 1										
	1,2963 13										
20.7	A CONTRACTOR OF THE PARTY OF TH	Committee	0.025,000		AST 27. 3		300,454,911		Commence		
	1.3333 1									162.259	
	1.35191										
	1,3704 1										
	1.3889 1										
35	1.4074 1	60.778	1.4259	165.148	1.4444	169,593	1.4630	174, 111	1.4815	178.704	35
	1.4259 1										
	1.4444 1					178.111					
38	1.4630 1	73.444	1.4815	177.926	1.5000	182.481	1.5185	187.111	1.5370	191.815	38
	1.4815 1										
10	1.5000 1	82.259	1.5185	186.815	1.5370	191.444	1.5556	196.148	1.5741	200.926	40
11	1.5185 1	86.778	1.5370	191.370	1.5556	196.037	1.5741	200.778	1.5926	205.593	41
12	1.5370 1	91.370	1.5556	196.000	1.5741	200.704	1.5926	205.481	1.6111	210.333	42
	1.5556 1										
	1.5741 2					210,259				220.037	
15	1.5926 2	05.593	1.6111	210.333							
-	1,61112		A Company of		1.5 TOTAL		13.13.13.1		100000000000000000000000000000000000000		100
	1.6296 2					225.148					
18	1.6481 2	20.481	1.6667	225. 333							
	1 6667 2										
	1.6852 2										
				100-100-1			2.00	75031	1000		-
	41		4	2	4	3	1	4	4	5	1

-1	4	6	4	7	4	8	49		50		
Poot.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Mult.	Add.	Foot.
0	.8519	78.370	.8704	81.815	.8889		.9074	88.926			
1	.8704	80.111		83.593		87.148	.9259	90.778			
2	.8889			85.444	.9259		.9444			96.444	
3	.9074	83.815		87.370	.9444	91.000	.9630			98.481	
4 5	.9259	85.778 87.815		89.370 91.444	.9815		1.0000			100.593 102.778	
-1	TOTAL HART A	PROFESSOR 1 1	100,000	100000000000000000000000000000000000000	1.000000			5.00	N 6 mg 1 mg 1		
6	.9630							101.148			
7	.9815		1.0000					103,444 105,815			
								108.259			
								110.778			
-1	34.2.2.2.2						A 100 A	72.3	27.2.2.2.2.2		
								113,370 $116,037$			
								118.778			
								121.593			
								124.481			
- 1	4 4 4 4 4 4 4	4 1 1 1 1 1 1 1	A Common of the		1	but having the same		127,444	1000000	and the second second	
								130,481			
								133,593			
9	1.2047	124.111	1.2222	128, 259	1.2407	132.481	1.2593	136,778	1.2778	141.148	1
0	1.2222	127.259	1,2407	131,444	1.2593	135.704	1.2778	140.037	1.2963	144, 444	2
1	1 9407	130 481	1 2593	134 704	1 2778	139 000	1 2963	143.370	1 3148	147 815	2
2	1.2593	133.778	1.2778	138, 037	1.2963	142.370	1.3148	146.778	1.3333	151.259	2
23	1.2778	137.148	1.2963	141.444	1.3148	145.815	1.3333	150.259	1.3519	154.778	2
								153.815			
								157.444			
26	1.3333	147.704	1.3519	152.111	1.3704	156.593	1.3889	161.148	1.4074	165.778	20
								164.926			
								168.778			
								172.704			
10	1.4074	162.815	1.4259	167.370	1.4444	172.000	1.4630	176.704	1.4815	181.481	30
1	1.4259	166.778	1.4444	171.370	1.4630	176,037	1.4815	180.778	1.5000	185.593	31
								184.926			
3	1.4630	174.926	1.4815	179.593	1.5000	184.333	1.5185	189.148	1.5370	194.037	3
								193.444			
5	1.5000	183.370	1.5185	188.111	1.5370	192.926	1.5556	197.815	1.5741	202.778	3
								202.259			
								206.778			
								211.370			
								216.037			
-1	100000	140-7-6		V 70 200	100		C 100	220.778	2.000.13		
								225.593			
								230.481			
								235.444			
								240.481 245.593			
- 1	6.05.00	20/23/20	100000	September 1997	The Property	A 14 A 14 A 14		A 44 4 4 5 5 5 5		THE RESERVE OF THE	
								250.778			
								256.037			
								261.370 266.778			
								272.259			
,		200.148	1.1000		1.0110	200.010	2.0000	212.200	1.0015	-11.110	-
	-	6		7	4	2-	49		50		1

# APPENDIX.

#### SUBSIDIARY NUMBERS

FOR

FACILITATING THE COMPUTATION OF PRISMOIDS;

ALSO,

DIFFERENT RULES AND METHODS

IN COMMON USE

FOR

CALCULATING THE EARTH-WORK IN CANALS,

AND FOR

LAYING OUT THE LINES ON THE GROUND.



TABLE LVIII.—Subsidiary Numbers for facilitating the Computation of Prismoids.

Feet.	1	2	3	4	5	6	7	8	9	10	Feet.
0	2	8	18	32	50	72	98	128	162	200	0
1	6	14	26	42	62	86	114	146	182	222	1
2	14	24	38	56	78	104	134	168	206	248	2
3	26	38	54	74	98	126	158	194	234	278	1 8
4	42	56	74	96	122	152	186	224	266	312	4
5	62	78	98	122	150	182	218	258	302	350	1
- 1	86	104	126	152	182	216	254	296	342	392	1
6			158	186	218	254	294	338	386	438	1
7	114	134 168	194	224	258	296	338	384	434	488	18
8	146			266	302	342	386	434	486	542	1
9	182 222	206 248	234 278	312	350	392	438	488	542	600	10
1		100000	0.00	1.000	12.70	10000	15.566	100000	10000000	100	1
11	266	294	326	362	402	446	494	546	602	662	
12	314	344	378	416	458	504	554	608	666	728	15
13	366	398	434	474	518	566	618	674	734	798	18
14	422	456	494	536	582	632	686	744	806	872	14
15	482	518	558	602	650	702	758	818	882	950	14
16	546	584	626	672	722	776	834	896	962	1032	16
17	614	654	698	746	798	854	914	978	1046	1118	17
18	686	728	774	824	878	936	998	1064	1134	1208	18
19	762	806	854	906	962	1022	1086	1154	1226	1302	15
20	842	888	938	992	1050	1112	1178	1248	1322	1400	20
21	926	974	1026	1082	1142	1206	1274	1346	1422	1502	2
22	1014	1064	1118	1176	1238	1304	1374	1448	1526	1608	25
23	1106	1158	1214	1274	1338	1406	1478	1554	1634	1718	2
24	1202	1256	1314	1376	1442	1512	1586	1664	1746	1832	2
25	1302	1358	1418	1482	1550	1622	1698	1778	1862	1950	28
- 1	955.550	1464	1526	1592	1662	1736	1814	1896	1982	2072	26
26	1406	1574	1638	1706	1778	1854	1934	2018	2106	2198	27
27	1514			1824	1898	1976	2058	2144	2234	2328	28
28	1626	1688	1754			2102	2186	2274	2366	2462	25
29 30	1742	1806 1928	1874 1998	1946 2072	2022 2150	2232	2318	2408	2502	2600	36
	1862	0.000.00	2000	Sec. 25.	1/4 C.C. 241	1000000		0.00		2742	31
31	1986	2054	2126	2202	2282	2366	2454	2546	2642		
32	2114	2184	2258	2336	2418	2504	2594	2688	2786	2888	32
33	2246	2318	2394	2474	2558	2646	2738	2834	2934	3038	38
34	2382	2456	2534	2616	2702	2792	2886	2984	3086	3192	34
35	2522	2598	2678	2762	2850	2942	3038	3138	3242	3350	31
36	2666	2744	2826	2912	3002	3096	3194	3296	3402	8512	36
37	2814	2894	2978	3066	3158	3254	3354	3458	3566	3678	37
38	2966	3048	3134	3224	3318	3416	3518	3624	3734	3848	38
39	3122	3206	3294	3386	3482	3582	3686	3794	3906	4022	35
10	3282	3368	3458	3552	3650	3752	3858	3968	4082	4200	40
11	3446	3534	3626	3722	3822	3926	4034	4146	4262	4382	4
12	3614	3704	3798	3896	3998	4104	4214	4328	4446	4568	45
13	3786	3878	3974	4074	4178	4286	4398	4514	4634	4758	4
14	3962	4056	4154	4256	4362	4472	4586	4704	4826	4952	44
15	4142	4238	4338	4442	4550	4662	4778	4898	5022	5150	48
16	4326	4424	4526	4632	4742	4856	4974	5096	5222	5332	46
17	4514	4614	4718	4826	4938	5054	5174	5298	5426	5558	47
48	4706	4808	4914	5024	5138	5256	5378	5504	5634	5768	48
49	4902	5006	5114	5226	5342	5462	5586	5714	5846	5982	45
50	5102	5208	5318	5432	5550	5672	5798	5928	6062	6200	50
_		0200						4.50	A 7 3 E		-
- 1	1	2	3	4	5	6	7	8	9	10	1

TABLE LVIII.—Subsidiary Numbers for facilitating the Computation of Prismoids.

Feet.	11	12	13	14	15	16	17	18	19	20	Feet.
0	242	288	338	392	450	512	578	648	722	800	0
1	266	314	366	422	482	546	614	686	762	842	1
2	294	344	398	456	518	584	654	728	806	888	2
3	326	378	484	494	558	626	698	774	854	938	3
4	362	416	474	536	602	672	746	824	906	992	4
5	402	458	518	582	650	722	798	878	962	1050	5
6	446	504	566	632	702	776	854	936	1022	1112	6
7	494	554	618	686	758	834	914	998	1086	1178	7
8	546	608	674	744	818	896	978	1064	1154	1248	8
9	602	666	734	806	882	962	1046	1134	1226	1322	9
10	662	728	798	872	950	1032	1118	1208	1302	1400	10
11	726	794	866	942	1022	1106	1194	1286	1382	1482	11
12	794	864	938	1016	1098	1184	1274	1368	1466	1568	12
13	866	938	1014	1094	1178	1266	1358	1454	1554	1658	13
14	942	1016	1094	1176	1262	1352	1446	1544	1646	1752	14
15	1022	1098	1178	1262	1350	1442	1538	1638	1742	1850	15
16	1106	1184	1266	1352	1442	1536	1634	1736	1842	1952	16
17	1194	1274	1358	1446	1538	1634	1784	1838	1946	2058	17
18	1286	1368	1454	1544	1638	1736	1838	1944	2054	2168	18
19 20	1382 1482	1466 1568	1554 1658	1646 1752	1742 1850	1842 1952	1946 2058	2054 2168	2166 2282	2282 2400	19 20
21	1586	1674	1766	1862	1962	2066	2174	2286	2402	2522	21
22	1694	1784	1878	1976	2078	2184	2294	2408	2526	2648	21
23	1806	1898	1994	2094	2198	2306	2418	2534	2654	2778	23
24	1922	2016	2114	2216	2322	2432	2546	2664	2786	2912	24
25	2042	2138	2238	2342	2450	2562	2678	2798	2922	3050	25
26	2166	2264	2366	2472	2582	2696	2814	2936	3062	3192	26
27	2294	2394	2498	2606	2718	2834	2954	3078	3206	3338	27
28		2528	2634	2744	2858	2976	3098	3224	3354	3488	28
29	2562	2666	2774	2886	3002	3122	3246	3374	3506	3642	29
30	2702	2808	2918	3032	3150	3272	3398	3528	3662	3800	30
31	2846	2954	3066	3182	3302	3426	3554	3686	3822	3962	31
32		3104	3218	3336	3458	3584	3714	3848	3986	4128	32
83	3146	3258	3374	3494	3618	3746	3878	4014	4154	4298	33
34	3302	3416	3534	3656	3782	3912	4046	4184	4326	4472	34
35	100	3578	3698	3822	3950	4082	4218	4358	4502	4650	35
36		3744	3866	3992	4122	4256	4394	4536	4682	4832	36
37	3794	3914	4038	4166	4298	4434	4574	4718	4866	5018	37
38		4088	4214	4314	4478	4616	1758	4904	5054	5208	38
39		4266	4394	4526	4662	4802	4946	5094	5246	5402	39
40	100	4448	4578	4712	4850	4992	5138	5288	5412	5600	40
41	4506	4634	4766	4902	3042	5186	5334	5486	5642	5802	41
15		4854	4958	5096	5238	5384	5534	5688	5846	60008	42
43	4886	5018	3134	3294	5438	5586	5738	5894	6034	6218	43
44	5082	5216	5354	5496	5642	5792	5946	6104	6266	6432	2.2
45	100	5418	3338	3702	5850	6002	6158	6318	6482	6650	45
45	3486	3624 3834	3766 3978	3912 6126	6062	6216 6434	6374 6394	6536 6758	6702	6872 7098	46
48		6048	6194	6344	6498	6656	6818	6984	7154	7328	48
49	6122	6266	6414	6546	6722	6882	7046	7214	7386	7362	49
50		6188	6638	6792	6950	7112	7278	7448	7622	7800	50
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TABLE LVIII.—Subsidiary Numbers for facilitating the Computation of Prismoids.

Feet.	21	22	23	24	25	26	27	28	29	30	Feet.
0	882	968	1058	1152	1250	1352	1458	1568	1682	1800	0
1	926	1014	1106	1202	1302	1406	1514	1626	1742	1862	1
2	974	1064	1158	1256	1358	1464	1574	1688	1806	1928	2
3	1026	1118	1214	1314	1418	1526	1638	1754	1874	1998	1 8
4	1082	1176	1274	1376	1482	1592	1706	1824	1946	2072	1
5	1142	1238	1338	1442	1550	1662	1778	1898	2022	2150	1
6	1206	1304	1406	1512	1622	1736	1854	1976	2102	2232	1
7	1274	1374	1478	1586	1698	1814	1934	2058	2186	2318	1 7
8	1346	1448	1554	1664	1778	1896	2018	2144	2274	2408	1 8
9	1422	1526	1634	1746	1862	1982	2106	2234	2366	2502	1 5
10	1502	1608	1718	1832	1950	2072	2198	2328	2462	2600	10
11	1586	1694	1806	1922	2042	2166	2294	2426	2562	2702	13
12	1674	1784	1898	2016	2138	2264	2394	2528	2666	2808	13
13	1766	1878	1994	2114	2238	2366	2498	2634	2774	2918	13
14	1862	1976	2094	2216	2342	2472	2606	2744	2886	3032	14
15	1962	2078	2198	2322	2450	2582	2718	2858	3002	3150	1
16	2066	2184	2306	2432	2562	2696	2834	2976	3122	3272	10
17	2174	2294	2418	2546	2678	2814	2954	3098	3246	3398	13
18	2286	2408	2534	2664	2798	2936	3078	3224	3374	3528	18
19	2402	2526	2654	2786	2922	3062	3206	3354	3506	3662	11
20	2522	2648	2778	2912	3050	3192	3338	3488	3642	3800	20
21	2646	2774	2906	3042	3182	3326	3474	3626	3782	3942	2
22	2774	2904	3038	3176	3318	3464	3614	3768	3926	4088	25
23	2906	3038	3174	3314	3458	3606	3758	3914	4074	4238	23
24	3042	3176	3314	3456	3602	3752	3906	4064	4226	4392	2
25	3182	3318	3458	3602	3750	3902	4058	4218	4382	4550	2
26	3326	3464	3606	3752	3902	4056	4214	4376	4542	4712	20
27	3474	3614	3758	3906	4058	4214	4374	4538	4706	4878	2
28	3626	3768	3914	4064	4218	4376	4538	4704	4874	5048	28
29	3782	3926	4074	4226	4382	4542	4706	4874	5046	5222	25
30	3942	4088	4238	4392	4550	4712	4878	5048	5222	5400	30
31	4106	4254	4406	4562	4722	4886	5054	5226	5402	5582	3
32	4274	4424	4578	4736	4898	5064	5234	5408	5586	5768	35
33	4446	4598	4754	4914	5078	5246	5418	5594	5774	5958	3:
34	4622	4776	4934	5096	5262	5432	5606	5784	5966	6152	3
35	4802	4958	5118	5282	5450	5622	5798	5978	6162	6350	3.
36 37	4986 5174	5144 5334	5306 5498	5472 5666	5642 5838	5816 6014	5994	6176	6362	6552	3
38	5366	5528	5694				6194	6378	6566	6758	
39	5562	5726	5894	5864	6038	6216 6422	6398	6584	6774	6968	38
40	5762	5928	6098	6061 6272	6242 6450	6632	6606 6818	6794 7008	6986 7202	7182 7400	4
41	5966	6134	6306	6482	6662	6846	7034	7226	7422	7622	4
42	6174	6344	6518	6696	6878	7064	7254	7448			45
43	6386	6558	6734	6914	7098	7286	7478	7674	7646 7874	7848	4:
44	6602	6776	6954	7136	7322	7512	7706			8078	
15	6822	6998	7178	7362	7550	7742	7938	7904 8138	8106 8342	8312 8550	4
46	7046	7224	7406	7592	7782	7976	8174	8376	8582	8792	4
47	7274	7454	7638	7826	8018	8214	8414	8618	8826		4
48	7506	7688		8064	8258	8456	8658			9038	
49	7742		7874			8702		8864	9074	9288	43
50	7982	7926 8168	8114 8358	8306 8552	8502 8750	8952	8906 9158	9114	9326 9582	9542 9800	4:
-			-		-	-	_			2000	F
-1	21	22	23	24	25	26	27	28	29	30	1

# TABLE LVIII.—Subsidiary Numbers for facilitating the Computation of Prismoids.

Feet.	31	32	33	34	35	36	37	38	39	40	Foot.
0	1922	2048	2178	2312	2450	2592	2738	2888	3042	3200	0
1	1986	2114	2246	2382	2522	2666	2814	2966	3122	3282	1
2	2054	2184	2318	2456	2598	2744	2894	3048	3206	3368	2
3	2126	2258	2394	2534	2678	2826	2978	3134	3294	3458	3
4	2202	2336	2474	2616	2762	2912	3066	3224	3386	3552	4
5	2282	2418	2558	2702	2850	3002	3158	3318	3482	3650	5
6	2366	2504	2646	2792	2942	3096	3254	3416	3582	8752	6
7	2454	2594	2738	2886	3038	3194	3354	3518	3686	3858	7
8	2546	2688	2834	2984	3138	3296	3458	3624	3794	3968	8
9	2642	2786	2934	3086	3242	8402	3566	3734	3906	4082	9
10	2742	2888	3038	3192	3350	3512	3678	3848	4022	4200	10
11	2846	2994	3146	3302	3462	3626	3794	3966	4142	4322	11
12	2954	3104	3258	3416	3578	3744	3914	4088	4266	4448	12
13	3066	3218	3374	3534	3698	3866	4038	4214	4394	4578	13
14	3182	3336	3494	3656	3822	3992	4166	4344	4526	4712	14
15	3302	3458	3618	3782	3950	4122	4298	4478	4662	4850	15
16	3426	3584	3746	3912	4082	4256	4434	4616	4802	4992	16
17	3554	3714	3878	4046	4218	4394	4574	4758	4946	5138	17
18	3686	3848	4014	4184	4358	4536	4718	4904	5094	5288	18
19	3822	3986	4154	4326	4502	4682	4866	5054	5246	5442	19
20	3962	4128	4298	4472	4650	4832	5018	5208	5402	5600	20
21	4106	4274	4446	4622	4802	4986	5174	5366	5562	5762	21
22	4254	4424	4598	4776	4958	5144	5334	5528	5726	5928	22
23	4406	4578	4754	4934	5118	5306	5498	5694	5894	6098	23
24	4562	4786	4914	5096	5282	5472	5666	5864	6091	6272	24
25	4722	4898	5078	5262	5450	5642	5838	6038	6242	6450	25
26	4886	5064	5246	5432	5622	5816	6014	6216	6422	6632	26
27	5054	5234	5418	5606	5798	5994	6194	6398	6606	6818	27
28	5226	5408	5594	5784	5978	6176	6378	6584	6794	7008	28
29	5402	5586	5774	5966	6162	6362	6566	6774	6986	7202	29
30	5582	5768	5958	6152	6350	6552	6758	6968	7182	7400	30
31	5766	5954	6146	6342	6542	6746	6954	7166	7882	7602	31
32	5954	6144	6338	6536	6738	6944	7154	7368	7586	7808	32
33	6146	6338	6534	6734	6938	7146	7358	7574	7794	8018	33
34	6342	6536	6734	6936	7142	7352	7566	7784	8006	8232	34
35	6542	6738	6938	7142	7350	7562	7778	7998	8222	8450	35
36	6746	6944	7146	7352	7562	7776	7994	8216	8442	8672	36
37	6954	7154	7358	7566	7778	7994	8214	8438	8666	8898	37
38	7166	7368	7574	7784	7998	8216	8438	8664	8894	9128	38
39	7382	7586	7794	8006	8222	8442	8666	8894	9126	9362	39
40	7602	7808	8018	8232	8450	8672	8898	9128	9362	9600	40
41	7826	8034	8246	8462	8682	8906	9134	9366	9602	9842	41
42	8054	8264	8478	8696	8918	9144	9374	9608	9846	10088	42
43	8286	8498	8714	8934	9158	9386	9618	9854	10094	10338	43
44	8522	8736	8954	9176	9402	9632	9866	10104	10346	10592	44
45	8762	8978	9198	9422	9650	9882	10118	10358	10602	10850	45
46	9006	9224	9446	9672	9902	10136	10374	10616	10862	11112	46
47	9254	9474	9698	9926	10158	10394	10634	10878	11126	11378	47
48	9506	9728	9954	10184	10418	10656	10898	11144	11394	11648	48
49	9762	9986	10214	10446	10682	10922	11166	11414	11666	11922	49
	10022	10248	10478	10712	10950	11192	11438	11688	11942	12200	50
	31	32	33	34	35	36	37	38	39	40	-

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TABLE LVIII.—Subsidiary Numbers for facilitating the Computation of Prismoids.

Peet.	41	42	43	44	45	46	47	48	49	50	Puet.
0	3362	3528	3698	3872	4050	4232	4418	4608	4802	5000	0
1	3446	3614	3786	3962	4142	4326	4514	4706	4902	5102	i
2	3534	3704	3878	4056	4238	4424	4614	4808	5006	5208	2
3	3626	3798	3974	4154	4338	4526	4718	4914	5114	5318	3
4	3722	3896	4074	4256	4442	4632	4826	5024	5226	5432	4
5	3822	3998	4178	4362	4550	4742	4938	5138	5342	5550	5
6	3926	4104	4286	4472	4662	4856	5054	5256	5462	5672	6
7	4034	4214	4398	4586	4778	4974	5174	5378	5586	5798	7
8	4146	4328	4514	4704	4898	5096	5298	5504	5714	5928	8
9	4262	4446	4634	4826	5022	5222	5426	5634	5846	6062	9
10	4382	4568	4758	4952	5150	5352	5558	5768	5982	6200	10
11	4506	4694	4886	5082	5282	5486	5694	5906	6122	6342	11
12	4634	4824	5018	5216	5418	5624	5834	6048	6266	6488	12
13	4766	4958	5154	5354	5558	5766	5978	6194	6414	6638	18
14	4902	5096	5294	5496	5702	5912	6126	6344	6566	6792	14
15	5042	5238	5438	5642	5850	6062	6278	6498	6722	6950	15
16	5186	5384	5586	5792	6002	6216	6434	6656	6882	7112	16
17	5334	5534	5738	5946	6158	6374	6594	6818	7046	7278	17
18	5486	5688	5894	6104	6318	6536	6758	6984	7214	7448	18
19	5642	5846	6054	6266	6482	6702	6926	7154	7386	7622	19
20	5802	6008	6218	6432	6650	6872	7098	7328	7562	7800	20
21	5966	6174	6386	6602	6822	7046	7274	7506	7742	7982	21
22	6134	6344	6558	6776	6998	7224	7454	7688	7926	8168	22
23	6306	6518	6734	6954	7178	7406	7638	7874	8114	8358	23
24	6482	6696	6914	7136	7362	7592	7826	8064	8306	8552	24
25	6662	6878	7098	7322	7550	7782	8018	8258	8502	8750	25
26	6846	7064	7286	7512	7742	7976	8214	8456	8702	8952	26
27	7034	7254	7478	7706	7938	8174	8414	8658	8906	9158	27
28	7226	7448	7674	7904	8138	8376	8618	8864	9114	9368	28
29	7422	7646	7874	8106	8342	8582	8826	9074	9326	9582	29
30	7622	7848	8078	8312	8550	8792	9038	9288	9542	9800	30
31	7826	8054	8286	8522	8762	9006	9254	9506	9762	10022	31
32	8034	8264	8498	8736	8978	9224	9474	9728	9986	10248	32
33	8246	8478	8714	8954	9198	2446	9698	9954	10214	10478	33
34	8462	8696	8934	9176	9422	9672	9926	10184	10446	10712	34
35	8682	8918	9158	9402	9650	9902	10158	10418	10682	10950	35
36	8906	9144	9386	9632	9882	10136	10394	10656	10922	11192	36
37	9134	9374	9618	9866	10118	10374	10634	10898	11166	11438	37
38	9366	9608	9854	10104	10358	10616	10878	11144	11414	11688	38
$\frac{39}{40}$	9602 9842	9846 10088	10094 10338	10346 10592	10602 10850	10862	11126	11394	11666	11942	39
D.C.	0.000	1 1 1 1 1 1 1 1	14 Table 5 to 1	31116.74	a complete	11112	11378	11648	11922	12200	40
	10086	10334	10586	10842	11102	11366	11634	11906	12182	12462	41
	10334	10584	10838	11096	11358	11624	11884	12168	12446	12728	42
	10586	10838	11094	11354	11618	11886	12158	12434	12714	12998	43
	$10842 \\ 11102$	11096 11358	11354	11616 11882	$\frac{11882}{12150}$	12152	12426	12704	12986	13272	44
-21	200000000000000000000000000000000000000	C E T 30 (	11618	1000000	Carrier,	12422	12698	12978	13262	13555	45
	11366	11624	11886	12152	12422	12696	12974	13256	13542	13832	46
	11634	11894	12158	12426	12698	12974	13254	13538	13826	14118	47
	$\frac{11906}{12182}$	$12168 \\ 12446$	12434	12704	12978	13256	13538	13824	14114	14408	48
	12162	12728	12714 12998	12986 13272	13262 13555	$13542 \\ 13832$	$13826 \\ 14118$	14114 14408	$14406 \\ 14702$	14702 15000	49
_	12402	-2120	12000	10212	10000	10002	14116	14408	14702	15000	100
	41	42	43	44	45	46	47	48	49	50	

TABLE LIX.—Subsidiary Numbers for facilitating the Computation of Prismoids.

Foot.	1	2	3	4	5	6-	7	8	9	10	Foot.
0	3	6	9	12	15	18	21	24	27	30	0
1	6	9	12	15	18	21	24	27	30	33	1
2	9	12	15	18	21	24	27	30	33	36	2
3	12	15	18	21	24	27	80	33	36	39	3
4	15	18	21	24	27	30	33	36	39	42	4
5	18	21	24	27	30	83	36	39	42	45	5
6	21	24	27	30	33	36	39	42	45	48	6 7
7	24	27	30	33	36	39	42	45	48	51	8
8	27	30	33	36	89 42	42	45	48 51	51 54	54	9
9	30	36	36	39 42	45	45 48	51	54	57	60	10
10	33		39	100	1000	200			1000		
11	36	89	42	45	48	51	54	57	60	63	11 12
12	39	42	45	48	51	54	57	60	63	66	13
13	42	45	48	51	54	57	60	63	66	69 72	14
14	45	48	51	54	57	60	63 66	66	72	75	15
15	48	51	54	57	60	63	62.75	69			
16	51	54	57	60	63	66	69	72	75	78	16
17	54	57	60	63	66	69	72	75	78	81	17
18	57	60	63	66	69	72	75	78	81	84	18
19	60	63	66	69	72	75	78	81	84	87	19
20	63	66	69	72	75	78	81	84	87	90	
21	66	69	72	75	78	81	84	87	90	93	21
22	69	72	75	78	81	84	87	90	93	96	22
23	72	75	78	81	84	87	90	93	96	99	23
24	75	78	81	84	87	90	93	96	99	102	24 25
25	78	81	84	87	90	93	96	99	102	105	
26	81	84	87	90	93	96	99	102	105	108	26
27	81	87	90	93	96	99	102	105	108	111	27
28	87	90	93	96	99	102	105	108	111	114	28 29
29	90	93 96	96	99	102 105	105	108	111	114	117 120	30
30	93	0.0	99	102	10400	100	100000	100000	76.55	10000	31
31	96	99	102	105	108	111	114	117	120 123	123 126	32
32	99	102	105	108	111	114	117	120	126	129	33
33	102	105	108	111	114	117 120	120 123	123 126	129	132	34
34 35	105	108	111	114	120	123	126	129	132	135	35
				100000	123	126	129	132	135	138	36
36 37	111	114	117	120	126	129	132	135	138	141	37
38	114	120	120 123	123 126	129	132	135	138	141	143	38
39	120	123	126	129	132	135	138	141	144	147	39
40	123	126	129	132	135	138	141	144	147	150	40
		the second	0.00		138	141	144	147	150	153	41
$\frac{41}{42}$	126	129	132	135	141	144	147	150	153	156	42
43	129 132	132	135 138	138	144	147	150	153	156	159	43
44	135	138	141	144	147	150	153	156	159	162	44
45	138	141	144	147	150	153	156	159	162	165	45
46			2000		153	156	159	162	165	168	46
47	141	144	147	150 153	156	159	162	165	168	171	47
48	144	147	150	156	159	162	165	168	171	174	48
49	150	153	156	159	162	165	168	171	174	177	49
50	153	156	159	162	165	168	171	174	177	180	50
	1	2	3	4	5	6	7	8	9	10	T

TABLE LIX.—Subsidiary Numbers for facilitating the Computation of Prismoids.

Feet.	11	12	13	14	15	16	17	18	19	20	Feet.
0	33	86	39	42	45	48	51	54	57	60	0
1	36	89	42	45	48	51	54	57	60	63	1
2	39	42	45	48	51	54	57	60	63	66	2
3	42	45	48	51	54	57	60	63	66	69	8
4	45	48	51	54	57	60	63	66	69	72	4
5	48	51	54	57	60	63	66	69	72	75	1.5
6	51	54	57	60	63	66	69	72	75	78	16
7	54	57	60	63	66	69	72	75	78	81	7
8	57	60	63	66	69	72	75	78	81	84	18
9	60	63	66	69	72	75	78	81	84	87	1.5
0	63	66	69	72	75	78	81	84	87	90	10
1	66	69	72	75	78	81	84	87	90	93	11
2	69	72	75	78	81	84	87	90	93	96	12
13	72	75	78	81	84	87	90	93	96	99	13
4	75	78	81	84	87	90	93	96	99	102	14
.5	78	81	84	87	90	93	96	99	102	105	15
6	81	84	87	90	93	96	99	102	105	108	16
7	84	87	90	93	96	99	102	105	108	111	17
8	87	90	93	96	99	102	105	108	111	114	18
19	90	93	96	99	102	105	108	111	114	117	19
20	93	96	99	102	105	108	111	114	117	120	20
21	96	99	102	105	108	111	114	117	120	123	21
22	99	102	105	108	111	114	117	120	123	126	22
23	102	105	108	111	114	117	120	123	126	129	28
24	105	108	111	114	117	120	123	126	129	132	24
25	108	111	114	117	120	123	126	129	132	135	25
26	111	114	117	120	123	126	129	132	135	138	26
27	114	117	120	123	126	129	132	135	138	141	27
28	117	120	123	126	129	132	135	138	141	144	28
29	120	123	126	129	132	135	138	141	144	147	29
30	123	126	129	132	135	138	141	144	147	150	30
31	126	129	132	135	138	141	144	147	150	153	31
32	129	132	135	138	141	144	147	150	153	156	32
33	132	135	138	141	144	147	150	153	156	159	33
34	135	138	141	144	147	150	153	156	159	162	34
35	138	141	144	147	150	153	156	159	162	165	35
36	141	144	147	150	153	156	159	162	165	168	36
37	144	147	150	153	156	159	162	165	168	171	37
38	147	150	158	156	159	162	165	168	171	174	38
39	150	158	156	159	162	165	168	171	174	177	39
10	153	156	159	162	165	168	171	174	177	180	40
11	156	159	162	165	168	171	174	177	180	183	41
2	159	162	165	168	171	174	177	180	183	186	42
13	162	165	168	171	174	177	180	183	186	189	43
4	165	168	171	174	177	180	183	186	189	192	44
5	168	171	174	177	180	183	186	189	192	195	45
16	171	174	177	180	183	186	189	192	195	198	46
17	174	177	180	183	186	189	192	195	198	201	47
18	177	180	183	186	189	192	195	198	201	204	48
19	180	183	186	189	192	195	198	201	204	207	49
50	183	186	189	192	195	198	201	204	207	210	50
	11	12	13	14	15	16	17	18	19	20	

TABLE LIX.—Subsidiary Numbers for facilitating the Computation of Prismoids.

Feet.	21	22	23	24	25	26	27	28	29	30	Post.
0	63	66	69	72	75	78	81	84	87	90	1
1	66	69	72	75	78	81	84	87	90	93	1
2	69	72	75	78	81	84	87	90	93	96	1 5
3	72	75	78	81	84	87	90	93	96	99	1 8
4	75	78	81	84	87	90	93	96	99	102	14
5	78	81	84	87	90	93	96	99	102	105	14
6	81	84	87	90	93	96	99	102	105	108	1
7	84	87	90	93	96	99	102	105	108	111	L
8	87	90	93	96	99	102	105	108	111	114	13
9	90	93	96	99	102	105	108	111	114	117	F:
10	93	96	99	102	105	108	111	114	117	120	11
11	96	99	102	105	108	111	114	117	120	123	1
12	99	102	105	108	111	114	117	120	123	126	13
13	102	105	108	111	114	117	120	123	126	129	13
14	105	108	111	114	117	120	123	126	129	132	1
15	108	111	114	117	120	123	126	129	132	135	14
16	111	114	117	120	123	126	129	132	135	138	I
17	114	117	120	123	126	129	132	135	138	141	13
18	117	120	123	126	129	132	135	138	141	144	11
19	120	123	126	129	182	135	138	141	144	147	15
20	123	126	129	132	125	138	141	144	147	150	20
21	126	129	132	135	138	141	144	147	150	153	2
22	129	132	135	138	141	144	147	150	153	156	25
23	132	135	138	141	144	147	150	153	156	159	2:
24	185	138	141	144	147	150	153	156	159	162	2
25	138	141	144	147	150	153	156	159	162	165	25
26	141	144	147	150	153	156	159	162	165	168	20
27	144	147	150	153	156	159	162	165	168	171	27
28	147	150	153	156	159	162	165	168	171	174	28
29	150	153	156	159	162	165	168	171	174	177	25
30	153	156	159	162	165	168	171	174	177	180	30
31	156	159	162	165	168	171	174	177	180	183	3
32	159	162	165	168	171	174	177	180	183	186	33
33	162	165	168	171	174	177	180	183	186	189	33
34	165	168	171	174	177	180	183	186	189	192	3
35	168	171	174	177	180	183	186	189	192	195	33
36	171	174	177	180	183	186	189	192	195	198	3
37	174	177	180	183	186	189	192	195	198	201	3
38	177	180	183	186	189	192	195	198	201	204	38
39	180	183	186	189	192 195	195	198	201	204	207	3
40	183	186	189	192	13000	198	201	204	207	210	4
41	186	189	192	195	198	201	204	207	210	213	43
42	189	192	195	198	201	204	207	210	213	216	45
43	192	195	198	201	204	207	210	213	216	219	43
44	195	198 201	201	204	207	210	213	216	219	222 225	14
45	36-6	V 4 10	5 2 5	F 100 C	724	77.72	100	12.55	1000		15
46	201	204	207 210	210	213	216 219	219	222 225	225 228	228	15
	204	210	213	216	219	222	222			231	43
48			216	219	222			228	231	234	15
49 50	210	213	219	219	223	225 228	228	231	234	237	45
40	213	440	-13		-40	440	100	40%	201	240	54
1	21	22	23	24	25	26	27	28	29	30	1

TABLE LIX.—Subsidiary Numbers for facilitating the Computation of Prismoids.

Feet.	31	32	33	34	35	36	37	38	39	40	Peet.
0	93	96	99	102	105	108	111	114	117	120	0
1	96	99	102	105	108	111	114	117	120	123	1
2	99	102	105	108	111	114	117	120	123	126	2
3	102	105	108	111	114	117	120	123	126	129	3
4	105	108	111	114	117	120	123	126	129	132	4
5	108	111	114	117	120	123	126	129	132	135	5
6	111	114	117	120	123	126	129	132	135	138	6
7	114	117	120	123	126	129	132	135	138	141	7
8	117	120	123	126	129	132	135	138	141	144	8
9	120	123	126	129	132	135	138	141	144	147	9
10	123	126	129	132	135	138	141	144	147	150	10
11	126	129	132	135	138	141	144	147	150	158	11
12	129	132	135	138	141	144	147	150	153	156	12
13	132	135	138	141	144	147	150	153	156	159	18
14	135	138	141	144	147	150	153	156	159	162	14
15	138	141	144	147	150	153	156	159	162	165	13
16	141	144	147	150	153	156	159	162	165	168	16
17	144	147	150	153	156	159	162	165	168	171	17
18	147	150	153	156	159	162	165	168	171	174	18
19	150	153	156	159	162	165	168	171	174	177	19
20	153	156	159	162	165	168	171	174	177	180	20
21	156	159	162	165	168	171	174	177	180	183	21
22	159	162	165	168	171	174	177	180	183	186	22
23	162	165	168	171	174	177	180	183	186	189	28
24	165	168	171	174	177	180	183	186	189	192	24
25	168	171	174	177	180	183	186	189	192	195	25
26	171	174	177	180	183	186	189	192	195	198	26
27	174	177	180	183	186	189	192	195	198	201	27
28	177	180	183	186	189	192	195	198	201	204	28
29	180	183	186	189	192	195	198	201	204	207	29
30	183	186	189	192	195	198	201	204	207	210	30
31	186	189	192	195	198	201	204	207	210	213	31
32	189	192	195	198	201	204	207	210	213	216	35
33	192	195	198	201	204	207	210	213	216	219	38
34	195	198	201	204	207	210	213	216	219	222	34
35	198	201	204	207	210	213	216	219	222	225	34
36	201	204	207	210	213	216	219	222	225	228	36
37	204	207	210	213	216	219	222	225	228	231	37
38	207	210	213	216	219	222	225	228	231	234	38
39	210	213	216	219	222	225	228	231	234	237	39
40	213	216	219	222	225	228	231	234	237	240	40
41	216	219	222	225	228	231	234	237	240	243	41
42	219	222	225	228	231	234	237	240	243	246	42
43	222	225	228	231	234	237	240	243	246	249	43
44	225	228	231	234	237	240	243	246	249	252	44
45	228	231	234	237	240	243	246	249	252	255	42
46	231	234	237	240	243	246	249	252	255	258	46
47	234	237	240	243	246	249	252	255	258	261	47
48	237	240	243	246	249	252	255	258	261	264	48
49	240	243	246	249	252	255	258	261	264	267	49
50	243	246	249	252	255	258	261	264	267	270	50
	31	32	33	34	35	36	37	38	39	40	

# TABLE LIX.—Subsidiary Numbers for facilitating the Computation of Prismoids.

Feet.	41	42	43	44	45	46	47	48	49	50	Feet.
0	123	126	129	132	135	138	141	144	147	150	0
1	126	129	132	135	138	141	144	147	150	153	1
2	129	132	135	138	141	144	147	150	153	156	2
3	132	135	138	141	144	147	150	153	156	159	3
4	135	138	141	144	147	150	153	156	159	162	4
5	138	141	144	147	150	158	156	159	162	165	5
6	141	144	147	150	153	156	159	162	165	168	6
7	144	147	150	153	156	159	162	165	168	171	1.7
8	147	150	153	156	159	162	165	168	171	174	8
9	150	153	156	159	162	165	168	171	174	177	9
10	153	156	159	162	165	168	171	174	177	180	10
11	156	159	162	165	168	171	174	177	180	183	11
12	159	162	165	168	171	174	177	180	183	186	12
13	162	165	168	171	174	177	180	183	186	189	18
14	165	168	171	174	177	180	183	186	189	192	14
15	168	171	174	177	180	183	186	189	192	195	15
16	171	174	177	180	183	186	189	192	195	198	16
17	174	177	180	183	186	189	192	195	198	201	17
18	177	180	183	186	189	192	195	198	201	204	18
19	180	183	186	189	192	195	198	201	204	207	19
20	183	186	189	192	195	198	201	204	207	210	20
21	186	189	192	195	198	201	204	207	210	213	21
22	189	192	195	198	201	204	207	210	213	216	22
23	192	195	198	201	204	207	210	213	216	219	28
24	195	198	201	204	207	210	213	216	219	222	24
25	198	201	204	207	210	213	216	219	222	225	25
26	201	204	207	210	213	216	219	222	225	228	26
27	204	207	210	213	216	219	222	225	228	231	27
28	207	210	213	216	219	222	225	228	231	234	28
29	210	213	216	219	222	225	228	231	234	237	25
30	213	216	219	222	225	228	231	234	237	240	30
31	216	219	222	225	228	231	234	237	240	243	31
32	219	222	225	228	231	234	237	240	243	246	32
33	222	225	228	231	234	237	240	243	246	249	38
34	225 228	228	231	234	237	240	243	246 249	249 252	252 255	34
		100000	237	240	12,000	0.000	2035	A Company	100	258	36
36	231	234			243	246	249	252	255	261	37
37	234	237	240	243	246	249	252	255 258	258	264	38
38	237	240	243	246	249	252	255	100000000000000000000000000000000000000	261	(200	39
39 40	240 243	243	246	249 252	252	255 258	258 261	261 264	264	267	40
- 1		100000	100000	10000	170.00	1000 C	10000	10000	1,000	273	41
41 42	246 249	249 252	252	255 258	258 261	261	264	267	270	276	42
43	252	255	255 258	261	264	264	270	270	276	279	48
	255	258	261	264	267	270	278	276	279	282	44
44	258	261	264	267	270	273	276	279	282	285	45
16	261	264	267	270	273	276	279	282	285	288	46
47	264	267	270	278	276	279	282	285	288	291	47
48	267	270	273	276	279	282	285	288	291	294	48
49	270	273	276	279	282	285	288	291	294	297	49
50	273	276	279	282	285	288	291	294	297	300	50
-		-		-		500	-	-	-	-	-
	41	42	43	44	45	46	47	48	49	50	

TABLE LX.—For ascertaining the superficial Quantity of Land.

	1		51		101	151			
1	.0000280	51	.0011708	101	.0023186	151	.0034665		
2	.0000459	2	.0011938	2	.0028416	2	.0034894		
3	.0000689	3	.0012167	3	.0023646	8	.0035124		
4	.0000918	4	.0012397	4	.0023875	4	.0085353		
5	.0001148	5	.0012626	5	.0024105	5	.0035588		
6	.0001877	6	.0012856	6	.0024334	6	.0035818		
7	.0001607	7	.0013085	7	.0024564	7	.0036042		
8	.0001837	8	.0013315	8	.0024793	8	.0036272		
9	.0002066	9	.0018545	9	.0025023	9	.0036501		
10	.0002296	60	.0013774	110	.0025252	160	.0036731		
1	.0002525	1	.0014004	1	.0025482	1	.0036960		
2	.0002755	2	.0014233	2	.0025712	2	.0037190		
3	.0002984	3	.0014468	8	.0025941	8	.0037420		
4	.0008214	4	.0014692	4	.0026171	4	.0037649		
5	.0003444	5	.0014922	5	.0026400	5	.0037879		
6	.0003673	6	.0015151	6	.0026630	6	.0038108		
7	.0003903	7	.0015381	7	.0026859	7	.0038338		
8	.0004132	8	.0015611	8	.0027089	8	.0038567		
9	.0004862	9	.0015840	9	.0027319	9	.0038797		
20	.0004591	70	.0016070	120	.0027548	170	.0039027		
1	.0004821	1	.0016299	1	.0027778	1	.0039256		
2	.0005050	2	.0016529	2	.0028007	2	.0039486		
8	.0005280	8	.0016758	8	.0028237	8	.0089715		
4	.0005510	4	.0016988	4	.0028466	4	.0089945		
5	.0005739	5	.0017218	5	.0028696	5	.0040174		
6	.0005969	6	.0017447	6	.0028926	6	.0040404		
7	.0006198	7	.0017677	7	.0029155	7	.0040634		
8	.0006428	8	.0017906	8	.0029385	8	.0040863		
9	.0006657	9	.0018136	9	.0029614	9	.0041098		
30	.0006887	80	.0018365	130	.0029844	180	.0041322		
1	.0007117	1	.0018595	1	.0030073	1	.0041552		
2	.0007346	2	.0018825	2	.0080808	2 3	.0041781		
8	.0007576	3	.0019054	8	.0080588	4	.0042011		
4	.0007805	4	.0019284	4	.0030762	5	.0042241		
5	.0008035	. 5	.0019513	5	.0030992	6	.0042470 .0042700		
6	.0008264	6	.0019748	6	.0031221 .0031451	7	.0042700		
7	.0008494	7	.0019972	7 8		8	.0042525		
8	.0008724	8	.0020202	9	.0031680	9	.0043139		
9	.0008958	9	.0020432	140	.0031910	190	.0043618		
40	.0009188	90	.0020661 .0020891	140	.0032140	130	.0043847		
1 2	.0009412 .0009642	2	.0020891	2	.0032509	2	.0043847		
8	.0009642	8	.0021120	8	.0032828	8	.0044307		
4	.0010101	. 4	.0021579	4	.0032028	4	.0044586		
5	.0010101	5	.0021809	5	.0033333	5	.0044766		
6	.0010551	6	.0021003	6	.0033517	6	.0044995		
7	.0010300	7	.0022059	7	.0083746	7	.0045225		
8	.0010790	8	.0022498	8	.0033976	8	.0045454		
9	.0011019	9	.0022727	9	.0034206	9	.0045684		
50	.0011249	100	.0022957	150	.0034485	200	.0045914		
	50		100		150	200			

# TABLE LX.—For eccertaining the superficial Quantity of Land.

	201		251		301 .	351			
201	.6446143	251	-9157622	341	4449144	351	-0000		
ž	494G373	2	415.651	2	44-050330	2	- 644444444		
3	. WHECK2	3	44434661	3	.0605559	3	-4481434		
4	-694CK32	4	- <b>4</b> 456314	4	. 64-05-789	4	-0961267		
5	-6547461	5	_ <b>44</b> 54544	5	.4474418	5	' ALLEY MAN		
6	-4947291	6	4454.09	6	.4474248	. 6	. <del>646</del> 1726		
7	.4947521	7	. 44544449	7	.4474477	7	.0161956		
8	- 441.750	*	- 4459923	8	.4474747	. 8	. 4462185		
9	4947369	. 9	. wistin	. 9	.6979537	9.	.0102415		
214	.444.249	269	_445 <b>5</b> 688	319	.6971166	369	-0462511		
1	. 4944439	. 1	.4455517	1	.4471356	1	- 6462874		
2	. <b>401486</b> 6	<b>. 2</b>	. 60066147	. 2	.4471625	2	- 4463144		
	.4946858	3	.4464376	. 3	.6471855	3	. 0463333		
4	. 4949128	4	. 44-54-54-5	. 4	.4472481	4	.4463563		
5	. 4915357	. 5	. WING 19536	5	.0072314	5	946379		
6	. 6913347	6	.6961965	6	.0972543	6	.0981023		
7	. 6945416	. 7	.6061295	7	.0672773	7	.0484251		
<b>5</b> .	. 4954916	8 9	.0061524	8	.0473443	8	-9081181		
-	.4959275	279	.0061754	: 320	.0973232	376	. 0084711 . 0084940		
1	. (4)54595 . (4)54735	. 279	.0962213	1	.0073691	1	.0085170		
2	6050964	2	. WAZZI 3	2	.0073921	2			
3	.0951194	3	.0062672	3	.0074150	3	.0085625		
4			.0062902	4	.0074379	4	.0085858		
5	.0051653	5	.0063131	5	.0074610	5	.008608		
6	.0051882	6	.0063361	6	.0074839	6	.0086318		
7	.0052112	7	.0063590	7	.0075069	7	.0086547		
8	0052312	8	.0063820	8	.0075298	8	.0086777		
9	.0052571	و ا	.0064049	9	.0075528	9	.0087006		
230	.0052801	280	.0061279	330	.0075757	380	.0087236		
1	.0053030	1	.0064509	1	.0075987	1	.0087465		
2	.0053260	2	.0064738	2	.0076217	2	.0087695		
3	.0053489	3	.0064968	3	.0076446	3	.0087925		
4	.0053719	4	.0065197	4	.0076676	4	.0088154		
5	.0053948	5	.0065427	5	.0076905	5	.0088384		
6	.0054178	6	.0965656	6	.0077135	6	.0088613		
7	.0054408	7	.0065896	7	.0077364	7	.0088843		
8	.0054637	8	.0066126	. 8	.0077594	8	.0089079		
9	.0054867	9	.0066355	9	.0077824	9	.0089302		
240	.0055096	290	.0066575	340	.0078053	390	.0089532		
1	.0055326	1	.0066804	1	.0078283	1	.0089761		
2	.0055555	. 2	.0067034	2	.0078512	2	.0089991		
3	.0055785	3	.0067263	3	.0078742	3	.0090220		
4	.0056015	4	.0967493	4	.0078971	4	.0090450		
5	.0056244	5	.0067723	5 6	.0079201	6	.0090679		
6	.0056474	6	.0067952		.0079431	7	.0090909		
7	.0056703	7	.0068182 .0068411	7	.0079660	8	.0091138		
8	.0056933	8	.0068411	9	.0079890	9	.0091368		
250	.0057162	300	.0068870	350	.0080319	400	.0091598		
200	.0057892		. 3000070		.0000919	200	.0031027		
	250	!	300	i	350	1	400		

# TABLE LXI.

# SCALE OF PRICES FOR EARTH WORK.

# Getting, filling, and teaming.

Sand or gravel,			<i>d</i> . 6	per cube yard.
Loam,		0	$6\frac{1}{2}$	do.
Clay,		0	7	do.
Stiff clay,		0	$7\frac{1}{2}$	do.
Hard stiff clay, or chalk,		0	8	do.
Shale, or sand-stone, .		ŀ	0	do.
Lime stone,		l	3	do.

# HAULING OR CARRYING, PER CUBE YARD.

Distanc	Horse Power.			٠ ،	Waggons, Oil, &c.				ailway.		Total.		
					d.			d.	•		d.		d.
From 0 to	8	of mile,			1	•		₹.		•	<del>}</del> .	·	1 <del>§</del>
a to	$\frac{1}{4}$	do.			2			1			$\frac{1}{4}$ .		$3\frac{1}{4}$
$\frac{1}{4}$ to	12	do.			$2\frac{1}{2}$			$l^{\frac{1}{2}}$		•	<del>3</del> .		$4\frac{3}{8}$
½ to	$\frac{3}{4}$	do.			3		•	2			l.	•	6
$\frac{3}{4}$ to	1	do.	•	•	$3\frac{1}{2}$			$2\frac{1}{2}$	•		l⅓.	•	$7\frac{1}{8}$
l to	$l\frac{1}{4}$	do.			$4\frac{1}{4}$		•	3			$1\frac{1}{4}$ .	•	$8\frac{1}{2}$
l <del>]</del> to	$1\frac{1}{2}$	do.	•		5		•	$3\frac{1}{2}$	•		l <mark>3</mark> .		$9\frac{7}{8}$
$1\frac{1}{2}$ to	$1\frac{3}{4}$	do.			$5\frac{3}{4}$		•	4			<b>2</b> .		$11\frac{3}{4}$
. $1\frac{3}{4}$ to	2	do.			$6\frac{1}{2}$		•	$4\frac{1}{2}$		•	$2rac{1}{8}$ .	•	$13\frac{1}{8}$
2 to	$2\frac{1}{4}$	do.			$7\frac{1}{4}$			5			$2\frac{1}{4}$ .	•	$14\frac{1}{2}$
21 to	$2\frac{1}{2}$	do.			8			$5\frac{1}{2}$			$2\frac{3}{8}$ .	•	15 <del>7</del>
$2\frac{1}{2}$ to	$2\frac{3}{4}$	do.			$8\frac{3}{4}$			6			3.		$17\frac{3}{4}$
$2\frac{3}{4}$ to	3	do.	•	•	$9\frac{1}{2}$		•	$6\frac{1}{2}$			$3\frac{1}{8}$ .	•	$19\frac{1}{8}$
3 to	$3\frac{1}{4}$	do.		•	10 <u>‡</u>	•		7		•	$3\frac{1}{4}$ .		$20\frac{1}{2}$
$3\frac{1}{4}$ to	$3\frac{1}{2}$	do.	•		11			$7\frac{1}{2}$			$3\frac{3}{8}$ .		$21\frac{7}{8}$
$3\frac{1}{2}$ to	3	do.			$11\frac{3}{4}$		•	8			4		$23\frac{3}{4}$
3 <del>¾</del> to	4	do.			$12\frac{1}{2}$		•	$8\frac{1}{2}$			$4\frac{1}{8}$ .		$25\frac{1}{8}$

360

# SCALE OF PRICES FOR HAULING OR CARRYING EARTH WORK, PER CUBE YARD. BY LOCOMOTIVE POWER.

Distance.		:	Engine.		Waggons, Oil, &c.			R	Railway.			Total.		
<b></b>	.,			d.			d.			d.			d.	
From 0 to $l\frac{1}{2}$	miles,	•	•	1	•	•	1	•	•	\$	•	•	2날	
1½ to 2	do.			11/3			l 🖠			1			$3\frac{2}{3}$	
2 to 2½	do.			l ½			l 🛓	•		11	•		$4\frac{1}{4}$	
$2\frac{1}{2}$ to 3	do.			$1\frac{3}{4}$		•	13			1 ½			5	
3 to $3\frac{1}{2}$	do.			2			2			13			$5\frac{3}{4}$	
3½ to 4	do.			$2\frac{1}{4}$			$2\frac{1}{4}$	•		2			$6\frac{1}{2}$	
4 to 4½	do.			$2\frac{1}{2}$			$2\frac{1}{2}$			$2\frac{1}{4}$			$7\frac{1}{4}$	
41 to 5	do.			23			23			21/3			8	

# The following Methods are those generally used in calculating the Quantity of Earth-work in Canals.

### MENSURATION OF CANALS.

#### 1st Method.

To the bottom breadth add the two heights, that sum multiplied by the sum of heights, and from the product deduct the rectangle of the two heights; the difference multiplied by half the length of the section, will give the true content of the section.

### 2nd Method.

Add the greater depth and bottom breadth together, multiply this sum by the sum of the two heights, and to the product add the square of the lesser height; this sum multiplied by half the length, gives the content of the section.

N.B. The difference between taking a mean or middle dimension in any piece of cutting or irregular solid, and the true method is, the square of the difference of the two heights multiplied by  $\frac{1}{2}$  of the length of the section.

#### 3rd Method.

### CASE I.

In any even cutting where the cross section is the same.

Rule.—Multiply the perpendicular depth of the section by the ratio of the slopes; to this product add the bottom width of the canal; multiply this sum again by the depth

of the section, and this last product will be the area of the section in the same dimensions the measures are taken in.

N. B. The ratio of the slopes is the length of the horizontal set-off, answering to one in the perpendicular.

#### CASE II.

When any two sections are of unequal depths, but the ground between them has a regular descent or ascent.

Rule.—Add the perpendicular depths of the two sections together, and square the sum; from this square subtract the product of the two depths multiplied by each other; multiply the remainder by one-third the ratio of the slopes, and reserve the product. Again, multiply the sum of the two depths by half the bottom width of the canal, and to this product add the product before reserved. This sum will be the mean area between the two sections: the same as before with regard to the dimensions.

#### CASE III.

In any piece of cutting where the ground surface at one end is exactly the bottom level of the canal.

Rule.—Multiply the square of the perpendicular depth of the section; at the other end, by  $\frac{1}{3}$  the ratio of the slopes. To this product add the depth of the section, multiplied by half the bottom width of the canal; the sum will be the mean area as before.

N. B. In any of these cases, the mean area multiplied by the length of the piece gives the solid contents without any benching. The content of the benching may be thus found.

Rule.—From the perpendicular depth of each section subtract the depth of the canal to top bank level; add the two remainders together, and multiply half their sum by the whole width of the benchings on both sides, for a mean area; which, multiplied by the length of the piece, gives the content of the benching.

Embankments are only an inversion of cuttings, and therefore the above rules hold good, with this difference, viz., the top width of the canal, including both its banks, must be substituted here instead of the bottom width of the canal in the above.

## MEASURING CANALS.

### 4th Method.

Problem.—To find the area of any transverse section taken at right angles across the line of canal. (Fig. I. Plate 3.)

#### CASE I.

Is when the depths dd of the section, from the ground surface ss to the bottom level b of the canal, are everywhere the same.

Theorem.  $-(rd+b) \times d =$ the area.

Rule.—Multiply the common depth of the section by the ratio of the inside slopes of the canal, and to the product add the canal's bottom width; multiply this sum by the aforesaid depth, and the product will be the area.

Example.—Let us suppose (as in the Ellesmere canal) the bottom width to be 16 feet, and the recedence or ratio of the slopes to be as 1.5 horizontally to 1 perpendicular, and let the depth of the section be 8 feet.

Here,

$$r = 1.5$$

$$d = 8$$

$$rd = 12.0$$

$$b = 16.0$$

$$rd + b = 28.0$$

$$d = 8$$

$$224, \text{ the area in feet as required.}$$

#### CASE II.

Is when the depth dd of the section from the ground surface ss to the bottom level d of the canal are unequal. (Fig. II. Plate 3.)

Theorem.—
$$rdd + \frac{d+d}{2} \times b = area.$$

Rule.—To the rectangle of the depths multiplied by the ratio of the slopes, add half the sum of the depths multiplied by the bottom width of the canal, and the sum will be the area.

Example.—Let the least depth be 6 feet—the greatest, 8 feet, and let every thing else remain as before.

Here,

$$r = 1.5$$
 $d = 6$ 
 $d = 8$ 
 $rd = 9.0$ 
 $d = 8$ 
 $rd^2 = 72$ 
 $112$ 
 $184 = area$ 

Again,  $d = 6$ 
 $d = 8$ 

2)14
$$\frac{d+d}{2} = 7$$
 $b = 16$ 

$$\frac{d+d}{2} \times b = 112$$

#### CASE III.

Is when the surface of the ground (SS) (Fig. III. Plate 3) intersects the bottom (b) of the canal. In this case (d) is the depth which the surface of the ground is below the bottom level of the canal at the point whence the produced inside slope of the embanked side meets the said surface.

Theorem. 
$$\frac{\frac{1}{2}b-rd}{d+D} \times D^2 = \text{the area.}$$

Rule.—Multiply that depth which is under the bottom level, by the ratio of the inside slopes, and subtract the product from half the bottom width of the canal; divide this difference by the sum of the depths, and multiply the quotient by the square of the depth, which is above the bottom level, the product will be the area.

Example.—Let the depth which the bottom level of the canal is below the surface of the ground be eight feet, and the depth on the other side which the ground's surface is below the bottom level of the canal, be two feet, and let everything else remain as before.

Here,

$$\frac{1}{2}b = 8$$
  $D = 8$   $\frac{4.5}{10} = .45 = 5 = \frac{\frac{1}{2}b - rd}{d + D}$   
 $rd = 3.5$   $d = 2$   
 $rd = 4.5$   $d + D = 10$   $.45 \times D^2 = 64 \times 45 = 28.80$ , the area.

Problem.—The area of any irregular section being known, to find a mean depth which a regular section must have to be of the same area.

Theorem. 
$$\sqrt{\frac{a}{-r} + \frac{b}{2r}} = \frac{b}{2r} = \frac{b}{2r}$$
 the mean depth, where  $a =$ the area of the regular section.

Rule.—Divide the bottom width of the canal by twice the ratio of the inside slopes; reserve the quotient. To the area of the section, divided by the said ratios, add the square of the quotient reserved; extract the square root of the sum, and from this root subtract the quotient reserved: the remainder will be the mean depth required.

Example.—Take the area of the figure 2 for case the 2nd.

Here,

$$\frac{8)16}{\frac{5.8}{5.8}} = \frac{b}{2r}$$

$$\frac{34}{30}$$

$$\frac{6.3 - 5.8}{\frac{40}{200}} = \frac{b}{2r}$$

$$\frac{40}{30}$$

$$\frac{40}{265}$$

$$\frac{30}{28.09} = \frac{b}{2r}$$

$$\frac{90}{10}$$

$$\frac{90}{10}$$

$$\frac{30}{100}$$

$$\frac{100}{100}$$

#### ON SETTING OUT CANALS.

Suppose BCDEF to represent the section of a canal, ABCI, and EFGH those of the banks, and LOM the inclination of the land, it is required to set it out so that the part cut or excavated,  $x \in y$ , may raise the banks to the height designed.

Continue the outside slopes of the banks till they meet in the point P, and the inside ones till they meet in the points k and v. Join kv, make Pr = 1; draw qr parallel to kv, and qtu parallel to LOM, the surface of the land. Then, since qz is horizontal, Pr to qr is the ratio of the slopes, and qr to rt that of the land.

Now, since the part to be cut must be equal to the banks to be raised, the area xCEy is equal to the areas ABxL and FyMG; if to these equal quantities be added the common area xBAklvGFyx, the area LAklvGML will be equal to the area CBAklvGFEC, which is known. The areas of the triangles Pqu and PLM are likewise known; therefore, since similar triangles are as the square of their like dimensions, it will be as the area of the triangle  $Pqu: Pt^2:$  area PLM to  $PO^2$ ; and PO taken from PD gives OD, the depth of cutting in the centre of the canal.

If PN be the side of the square = double the area PA BCEFGP, from qz let fall the perpendicular uz, take be = qz; on Pe describe the semicircle Pfe, erect the perpendiculars bf, and take Ph = bf, join bh, and, parallel thereto, draw NO cutting PD in O, which will be the point required.

For twice the triangle Pqu is  $Pt \times qz = Pt \times be$ =  $bf^2 = Ph^2$  by construction, and since NO is parallel to ht, it will be  $Ph^2 : Pt^2 :: PN^2 : PO^2$  and Ph : Pt:: PN : PO.

Let 
$$Pr \equiv 1$$
  
 $qr \equiv 1.5$   
 $br \equiv 0.5$   
As  $1:1.5::0.5:nr \equiv \frac{.75}{1} \equiv .75$   
 $qr = 1.5 - .75 \equiv .75 \equiv qn$   
As  $qn:br::qs:nz$   
Or  $.75:.5::3:\frac{1.5}{75} \equiv \frac{5}{25} \equiv \frac{1}{5} \equiv z \equiv nz$ .

Cor. 1st. Where l coincides with t, the back part of the bank and land are of the same height, and therefore requires no puddle gutter.

2nd. When l and B coincide, the land on the higher side is bank height, and therefore wants no raising.

3rd. Where b and r coincide, the land becomes level(a).

Description of an Instrument for determining and setting out the Line of Slopes, in Cuttings and Embankments.

As connected with the foregoing subject of cuttings and embankments, I have given in Plate IV. a drawing of an instrument which I made a few years ago, and which has been found of great service in the practical operation of marking out on the ground the line of slopes for cuttings and embankments, particularly on sloping ground, or where side cutting and embanking is necessary.

The instrument is extremely simple and easily used: when adjusted to any slope of ground and cutting, it represents half the transverse section at that particular point.

Thus, suppose the centre line of a railway or turnpike road to be marked out along the sloping side of the hill, the inclination of which at right angles to the centre line is found to be (say) 5° 0′, that the slopes of the cutting are

⁽a) The foregoing rules for laying out canals, &c., are extracted from Mr. Telford's Common-place Book.

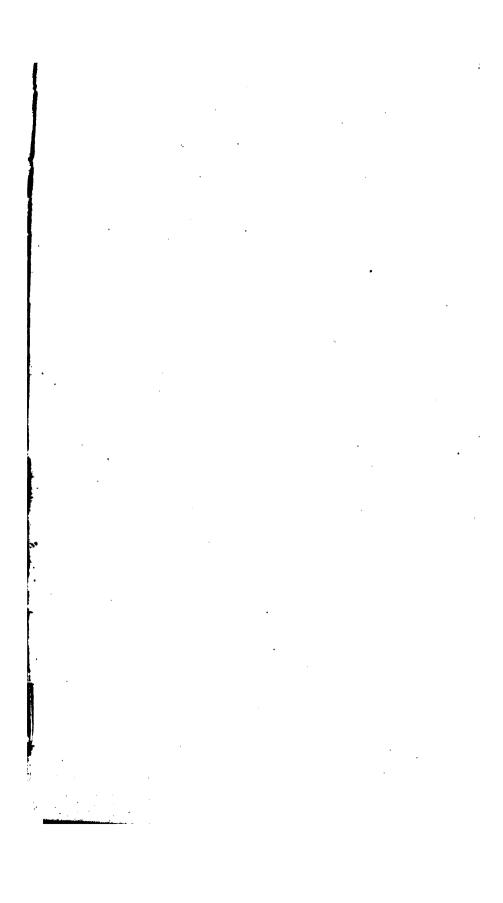
to be 1 to 1; that the width at the bottom of the cuttings is to be 30 feet, and that the depth of cutting at any particular point is 20 feet; it is required to determine at what distance from the centre line, at that particular point, the line of cutting will terminate on the upper side.

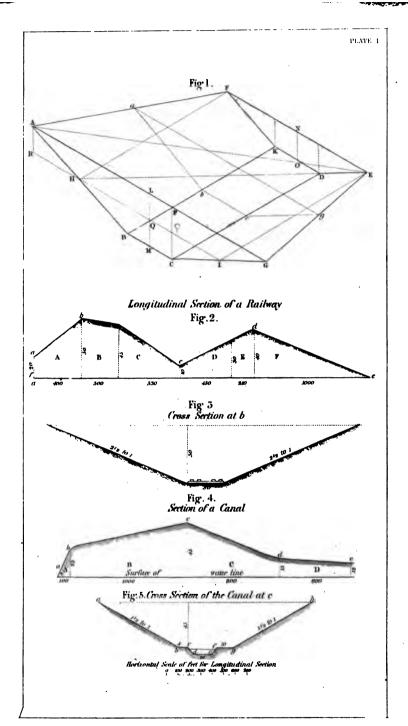
1st. Unclamp the bar CD, by easing the screw d; and move it backward or forwards in its groove until 20, the depth of cuttings, coincides with the index point on the side of the groove at c, and screw it fast.

2nd. Move the quadrant along the groove in the bar AB, until the fiducial edge E, in a line with the centre of the quadrant, cuts division 15 on the bar AB, which represents half the width at the bottom of the cutting, and clamp it fast.

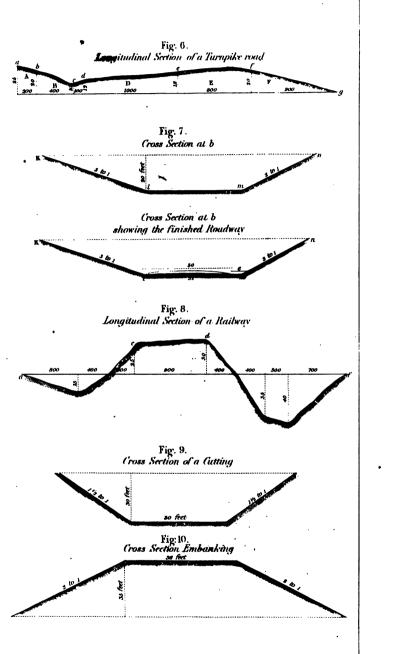
3rd. Turn the index FG round its centre until the edge FG coincides with the division 1 to 1, which marks the rate of the slopes of the cuttings on the limb of the quadrant LM, and screw it fast.

4th. Turn the index or arm NOP round its centre O, until the zero point on the vernier Q coincides with the 5th degree, which indicates the sloping surface of the ground, and clamp it fast; then the division 39 on the index NO, intersected by the edge FG of the index or arm FG, will shew the number of feet which must be laid off from the centre line, to mark the extremity of the cuttings.





Dublin . Hodges & Smith. 1846.

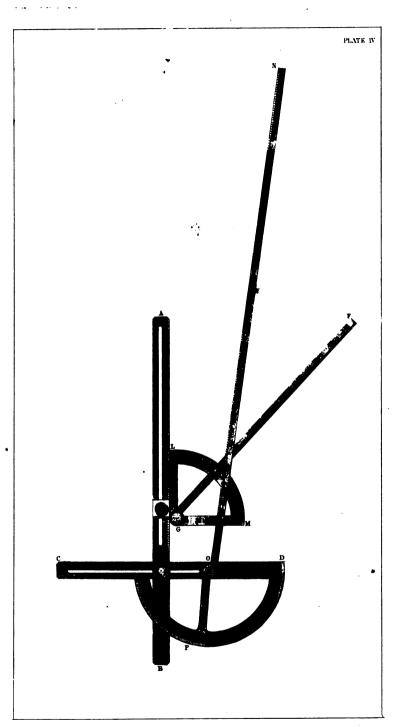


Dublin : Hodges & Smith, 1846.

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Dublin_Hodges & Smith. 1846.



Dublin, Hodges & Smith, 1846.

