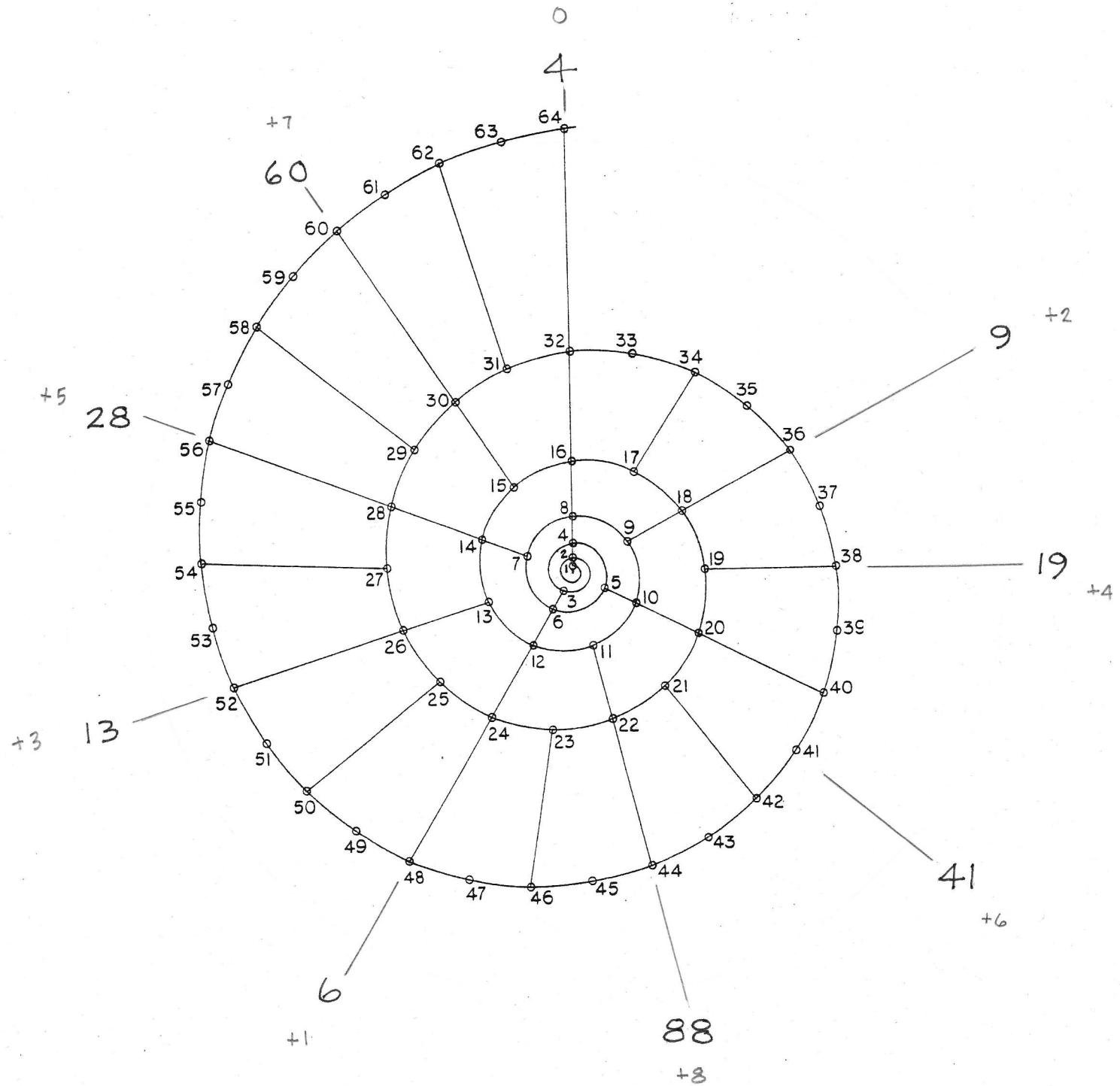
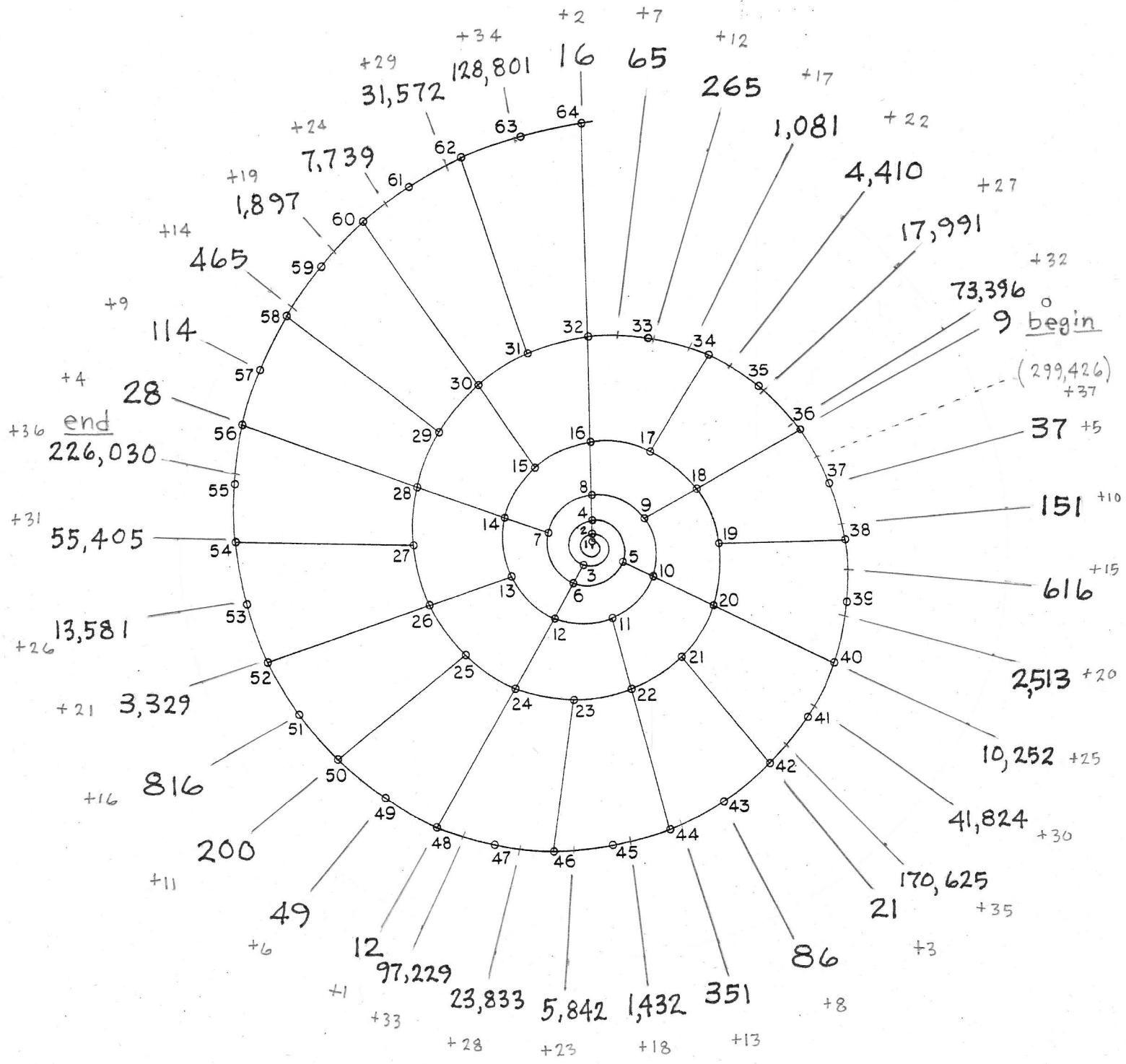
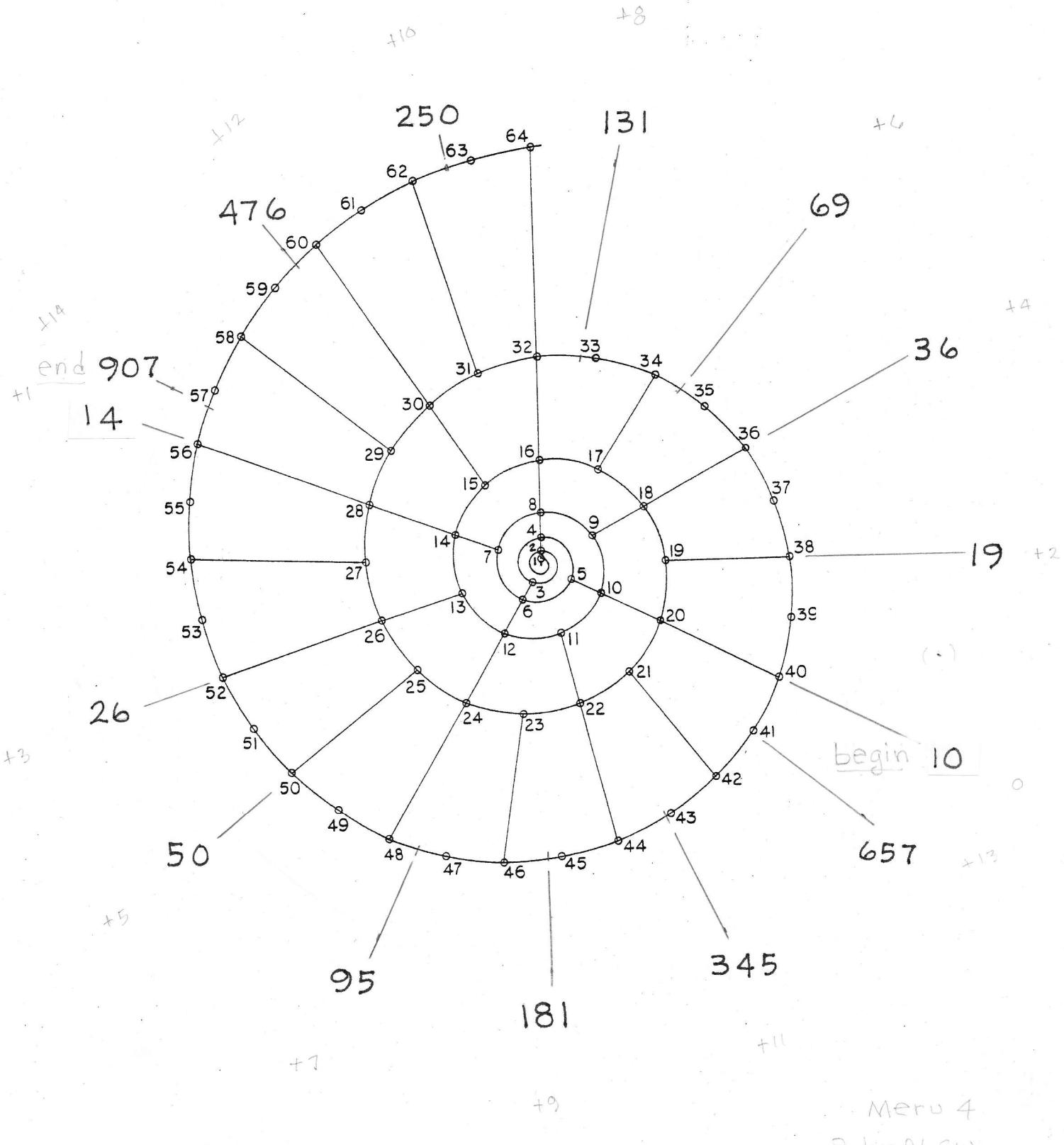


Meru 1.
 6 JAN 01.EW

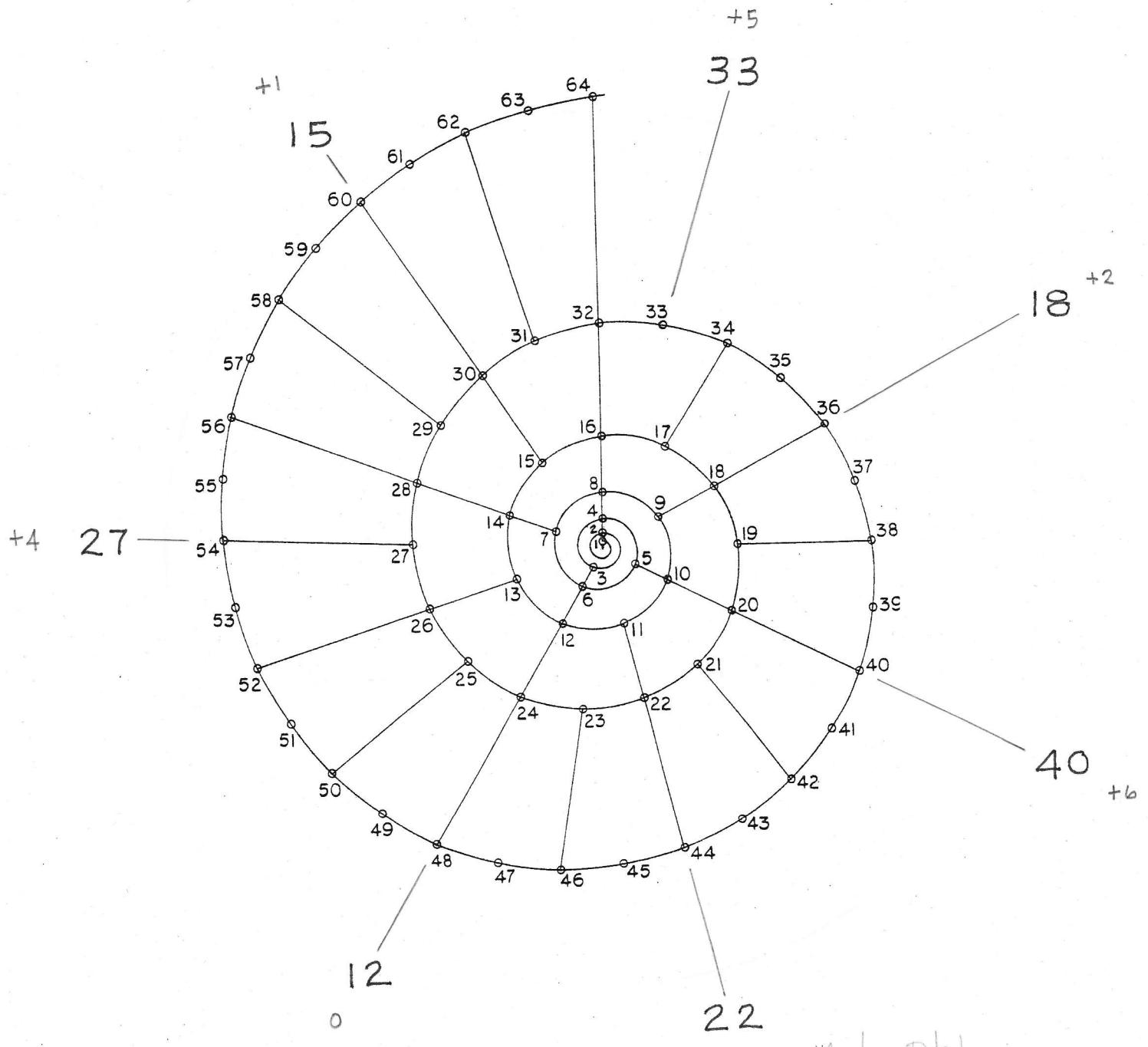


Metro 2
 6 Jan 01.EW





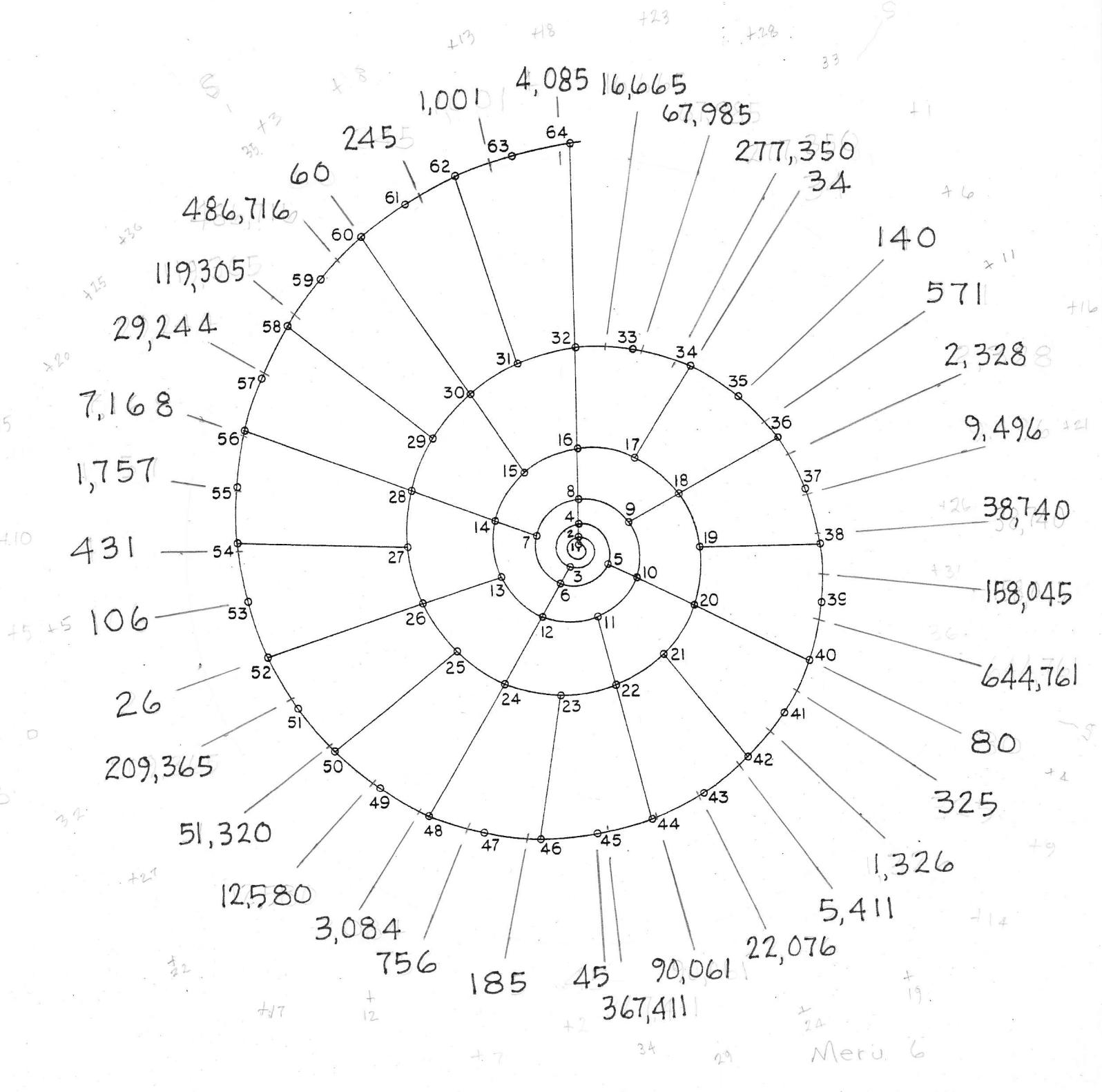
Meru 4
Jan 01, EW



Meta-Ptolemy
re-seed Meru 5

9 Jan 2001. 8W

7161716161



Meru 1 1.61803398875..

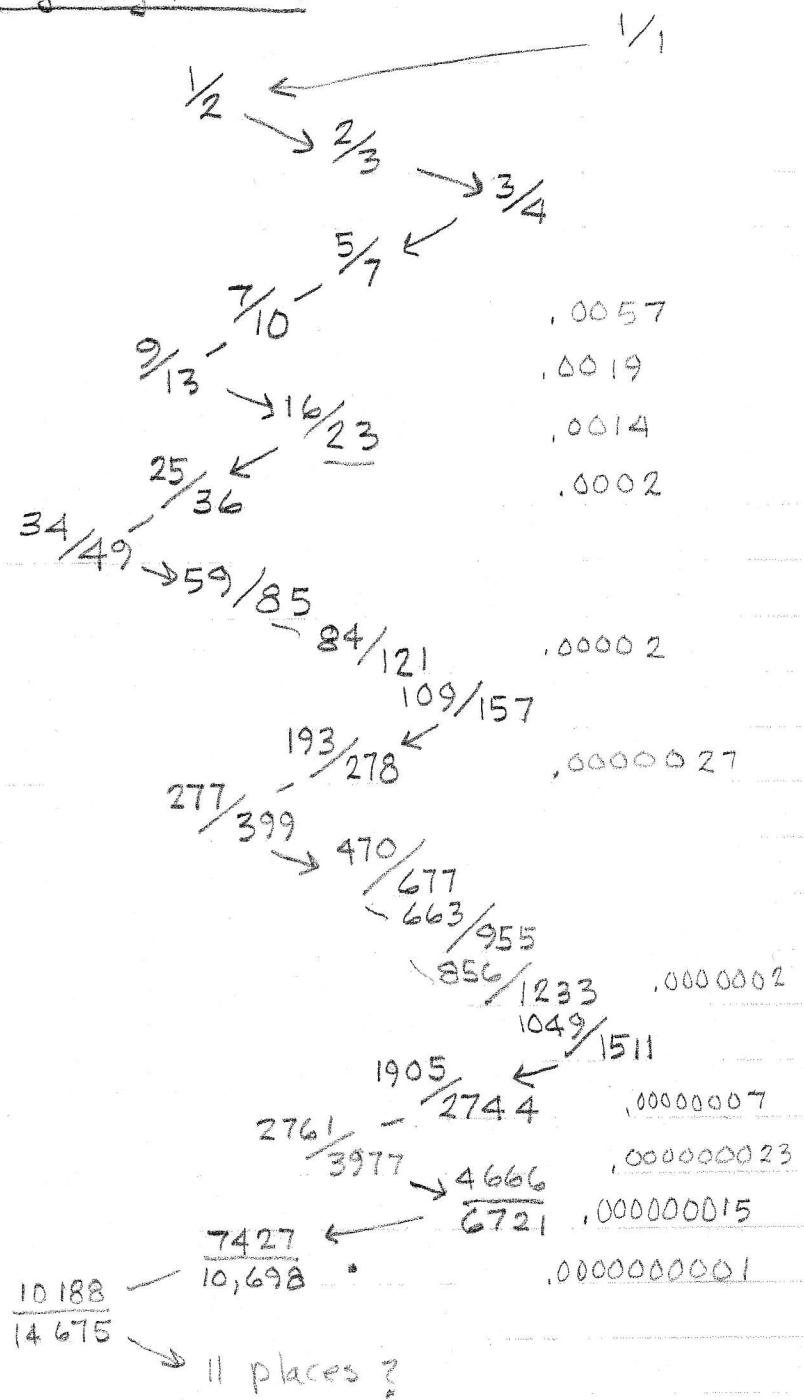
$\log_2 - .694241913631..$

1/x Pattern

	.694
← 1	.440
→ 2	.270
← 3	.696
→ 1	.436
← 2	.289
→ 3	.448
← 2	.228
→ 4	.373
← 2	.676
→ 1	.478
← 2 (2)	.088
? (11)	.357

0/1

Zig-Zag Pattern



Meru 2, 1.46557123188...

$\log_2 \dots .551463089748\dots$

Y/N Pattern

	.551
←	1 .813
→	1 .229
←	4 .357
→	2 .794
←	1 .258
→	3 .865
←	1 .155
→	6 .423
←	2 .361
→	2 .766
? (1 .305
? (3 .274)

Zig-Zag Pattern

$\frac{1}{3}$

$\frac{1}{2} \leftarrow \rightarrow \frac{2}{3}$

$\frac{3}{5} \leftarrow$

$\frac{5}{9} \leftarrow \frac{4}{7} \leftarrow$

$.004$

$\frac{6}{11} \leftarrow \rightarrow \frac{11}{20}$

$.0002$

$\frac{16}{29} \leftarrow \frac{27}{49} \leftarrow \rightarrow \frac{43}{78}$

$\frac{59}{107} \leftarrow \frac{75}{136} .0000075$

$\frac{134}{243} \leftarrow \frac{209}{379} \leftarrow$

$\frac{284}{515} \leftarrow \frac{359}{651} \leftarrow \frac{434}{787}$

$.00000047 \leftarrow \frac{509}{923} \leftarrow \frac{584}{1059}$

$\frac{1602}{2905} \rightarrow \frac{2695}{4887} \rightarrow$

$.00000024 \leftarrow \frac{3788}{6869} \leftarrow .00000005$

Meru 3 , 1.32471795725 (also Meru 6)

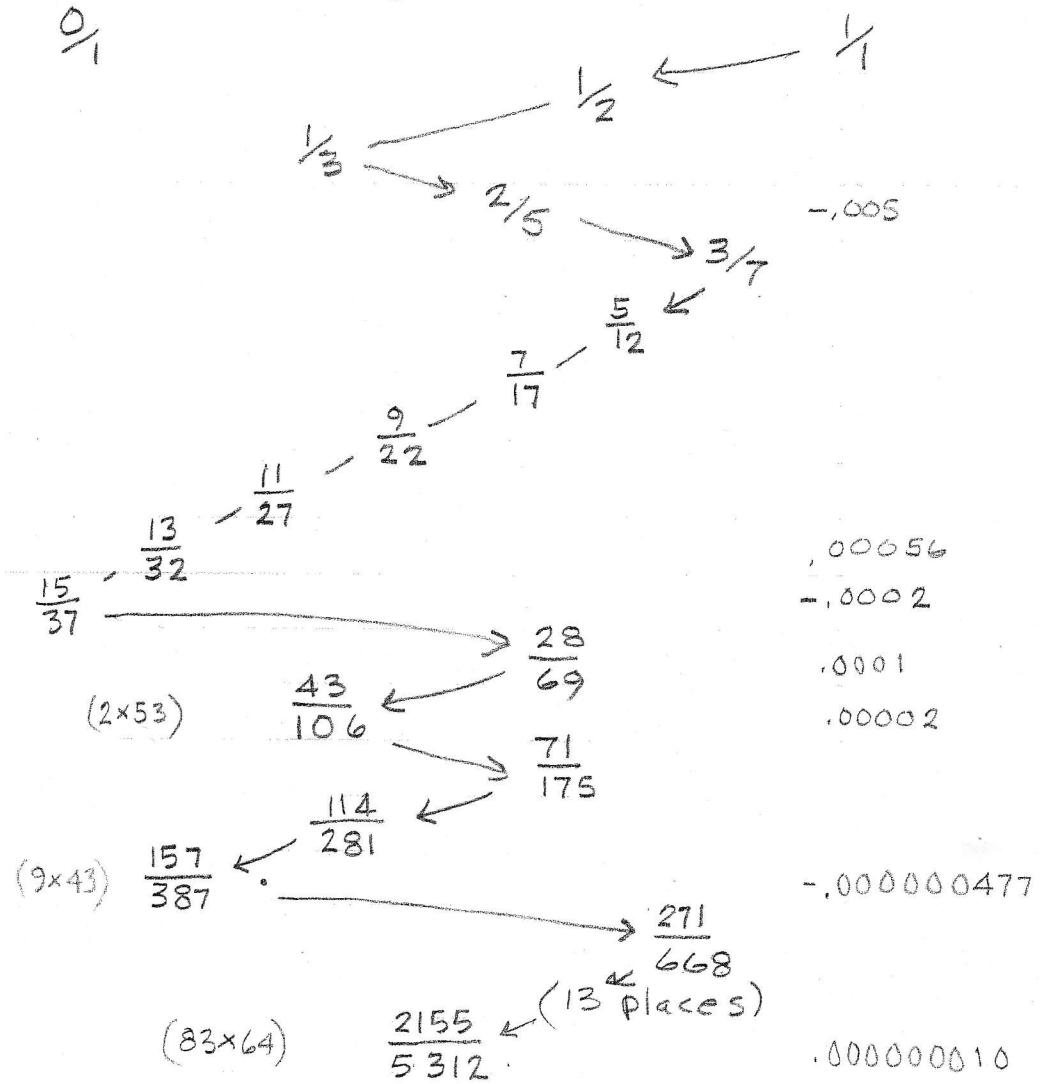
$\log_2 .405685231382 \dots$

$\frac{1}{\sqrt{2}}$ Pattern

	$\frac{1}{\sqrt{2}}$
	.405
\leftarrow	2
\rightarrow	2
\leftarrow	6
\rightarrow	1
\leftarrow	1
\rightarrow	1
\leftarrow	2
\rightarrow	1
\leftarrow	13
? (3
? (1

%

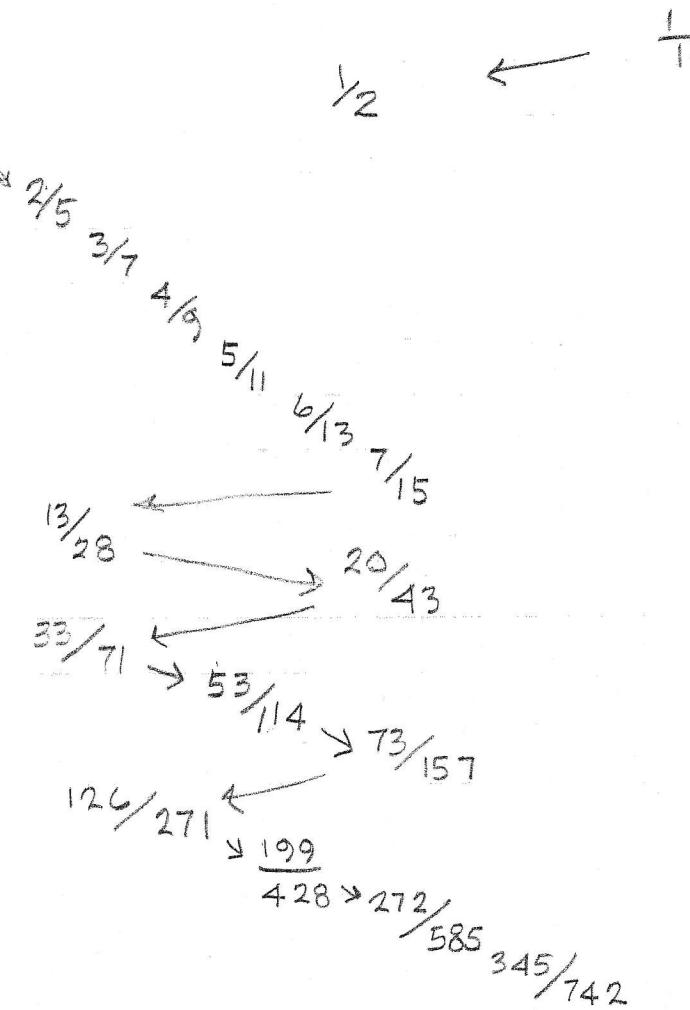
Zig-Zag Pattern



(Meru 4.) 1.380277569

$\log_2 .464958417209\dots$

1/x 0
↓
464
← 2 , 150
→ 6 , 634
← 1 , 576
→ 1 , 735
← 1 , 360
→ 2 , 774
← 1 , 290
→ 3 , 441
2 , 267
3 , 737
1 , 356
2 , 806



Meru 5, 1.22074408461...
 $\log_2 = .287760787088\ldots$

1/N pattern

	.287	0/1		
←	3	.475		
→	2	.104		
←	9	.543		
→	1	.839		
←	1	.191		
5	.227			
4	.396			
2	.525			
1	.904			
1	.105			
(9)	.449)			
		17/59		
•	19/66		.0001	
•	21/73		.00009	
..	61/212	40/139	.000009	
		5 places etc		

1 JAN 01. SW

Meru 3 , 1.32471795725

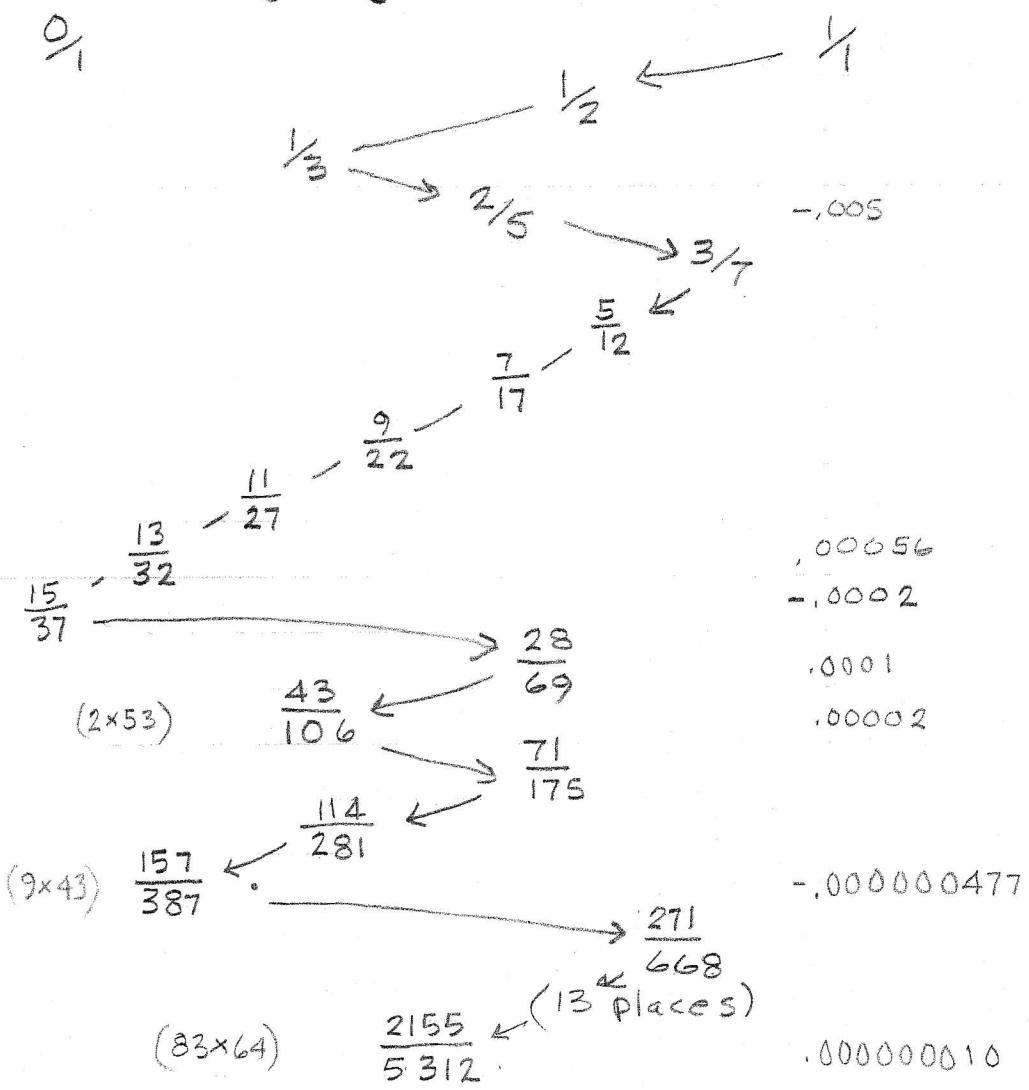
(also Meru 6)

$\log_2 .405685231382 \dots$

$\frac{1}{\sqrt{2}}$ Pattern

	.405
← 2	.464
→ 2	.150
← 6	.635
→ 1	.572
← 1	.745
→ 1	.341
← 2	.929
→ 1	.075
← 13	.275
? (3	.625
? (1	.598)

Zig-Zag Pattern



Meru 7 1.236 505 703 39 ...

$$\log_2 .306268894183\cdots$$

1/2

\leftarrow	3	.306
\rightarrow	3	.265
\leftarrow	1	.772
\leftarrow	1	.295
\rightarrow	3	.387
\leftarrow	2	.578
\rightarrow	1	.727
\leftarrow	1	.373
\rightarrow	2	.670
\leftarrow	1	.479
\rightarrow	2	.086
	(11)	.506

01

$$\frac{1}{4} - \frac{1}{3} + \frac{1}{2} \leftarrow \frac{1}{12}$$

$$\frac{3}{10} = \frac{4}{13} .001$$

$$\begin{array}{r} \cancel{7} \cancel{23} \\ \downarrow \quad \downarrow \\ \cancel{11} \cancel{36} \\ - 15 \cancel{49} \\ \hline - 19 \end{array} \quad .0001$$

$$\begin{array}{r} 49 \\ \hline 166 \\ - 34 \\ \hline 111 \\ \end{array} \quad \begin{array}{l} \leftarrow 1/62 \\ \rightarrow 83 \end{array} \quad .00003 \quad .00001$$

$$\begin{array}{r} \nearrow 83 \\ 132 / 43 \end{array} \quad \begin{array}{l} \searrow \\ \leftarrow \end{array} \quad \begin{array}{r} \swarrow 271 \\ \searrow \end{array}$$

$$\frac{1}{431} \rightarrow \frac{215}{702}, 000001$$

513/1675

→ 811/2118 1000000010

11 P

Meru 8, 1.19385911132..

$\log_2 .255632592555..$

1/k Pattern

zig-zag

$\leftarrow \begin{matrix} 3 \\ \rightarrow \end{matrix} .911$
 $\leftarrow \begin{matrix} 1 \\ \rightarrow \end{matrix} .096$
 $\leftarrow \begin{matrix} 10 \\ \rightarrow \end{matrix} .346$
 $\leftarrow \begin{matrix} 2 \\ \rightarrow \end{matrix} .889$
 $\leftarrow \begin{matrix} 1 \\ \rightarrow \end{matrix} .124$
 $\leftarrow \begin{matrix} 8 \\ \rightarrow \end{matrix} .013$
 $\leftarrow \begin{matrix} 73 \\ \rightarrow \end{matrix} .265$
 $\leftarrow \begin{matrix} 3 \\ \rightarrow \end{matrix} .765$

$\frac{1}{1}$
 $\frac{1}{2}$
 $\frac{1}{3}$
 $\frac{1}{4}$
 $\frac{3}{11}$
 $\frac{4}{15}$
 $\frac{5}{19}$
 $\frac{6}{23}$
 $\frac{7}{27}$
 $\frac{8}{31}$
 $\frac{9}{35}$
 $\frac{10}{39}$
 $\frac{11}{43}$
 $\frac{12}{47}$
 $\frac{23}{90}$
 $\frac{34}{133}$
 (7×19)

$.00018$
 $-.000077$
 $.0000065$
 $-.000000010$
 $3.7600000E-11$

$\frac{295}{1154} - \frac{329}{1287}$
73 places

$\frac{21569}{21864} - \frac{84375}{85529}$

Meru 9 = 1.16730397826..

$\log_2 1.223180302967..$

1/nk Pattern

$\frac{1}{223}$ 0/1
← 4 .480
→ 2 .080
← 12 .441
→ 2 .265
3 .766
1 .305
3 .276
3 .613
1 .631

Zig-Zag Pattern

$\frac{1}{1}$ ←
 $\frac{1}{2}$ ←
 $\frac{1}{3}$ ←
 $\frac{1}{4}$ ←
 $\frac{1}{5}$ ←
 $\frac{1}{6}$ ←
 $\frac{2}{9}$ →
 $\frac{3}{13}$ →
 $\frac{5}{22}$ ←
 $\frac{7}{31}$ ←
 $\frac{9}{40}$! Surupan
! Melog per Kunst
 $\frac{11}{49}$
 $\frac{13}{58}$
 $\frac{15}{67}$
 $\frac{17}{76}$
 $\frac{19}{85}$
 $\frac{21}{94}$
 $\frac{23}{103}$
 $\frac{25}{112}$
 $\frac{27}{121} \rightarrow \frac{52}{233} \leftarrow \frac{77}{345}$

Work-sheet

0.	1	2	3	4	5	6	7	8	9	10%
0	7	4	1	8	5	2	9	6	3	10%
	+7	-3	-3	7	-3	-3	7	-3	3	
	10-tow	18	73	40	22	89	49	27	109	

"Meta-Ptolemy"

Ptolemaic reseed of Meru 5; (Meta-Ptolemy)

(-1)	4	1	4	3	5	5	7	8	10	12	15	18	22	27	33	48

49 " 60 " 73 89 109 133 162 191 242 295 353 433 537 648 786 970 1185
 1434 1756 2155 2619 3190 (11/10) +1

15
30

(10%)

59

58

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