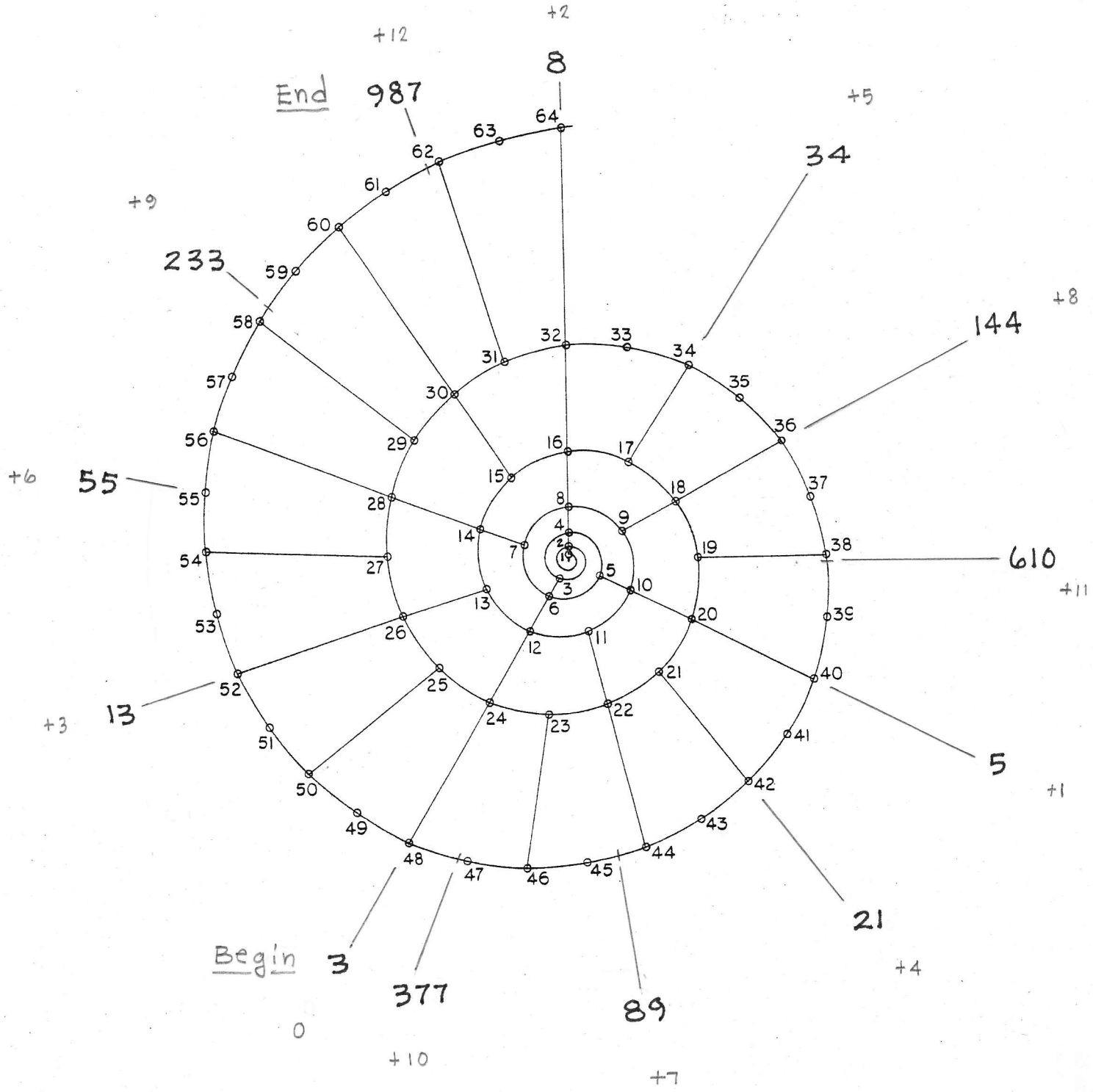
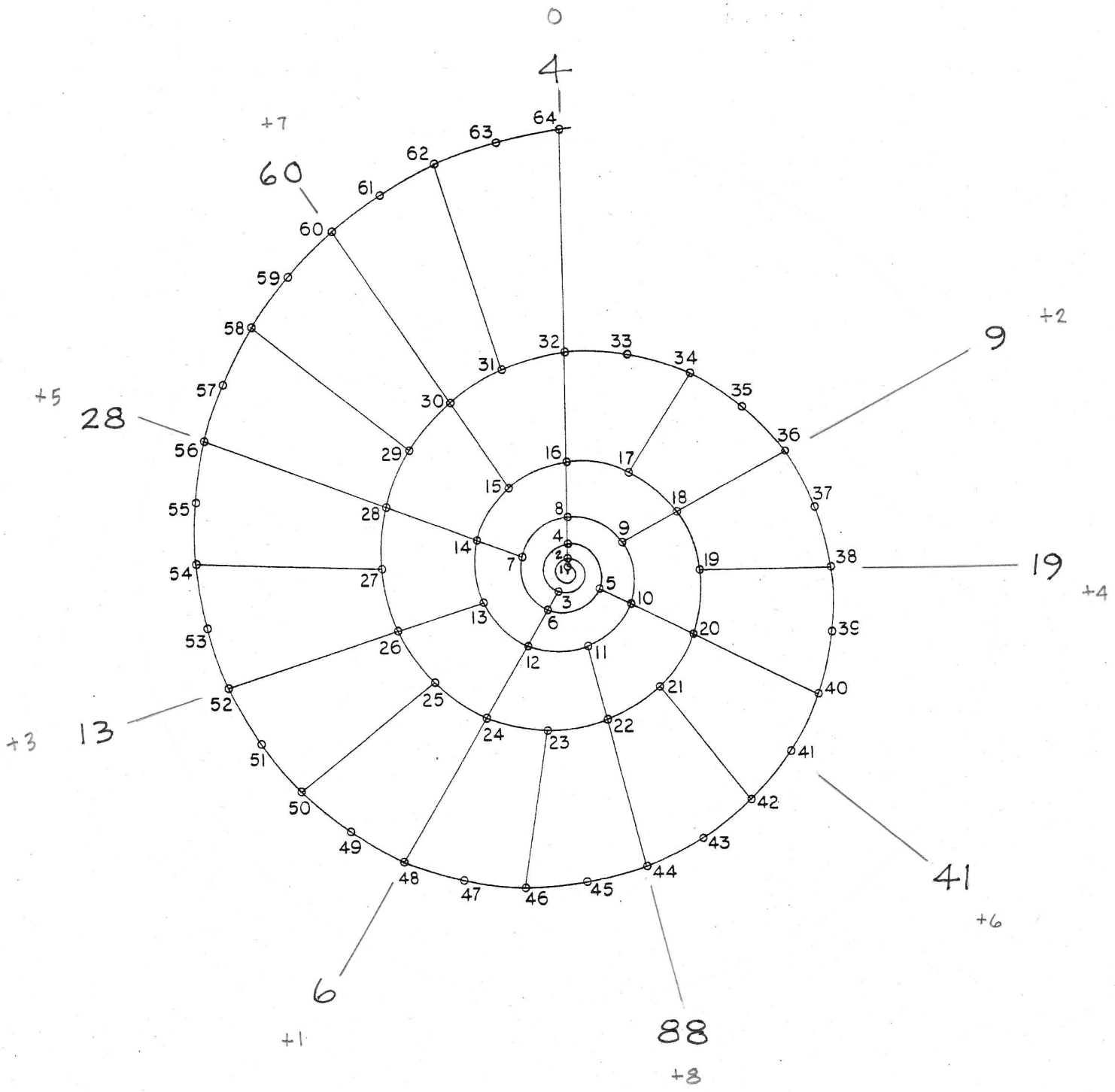
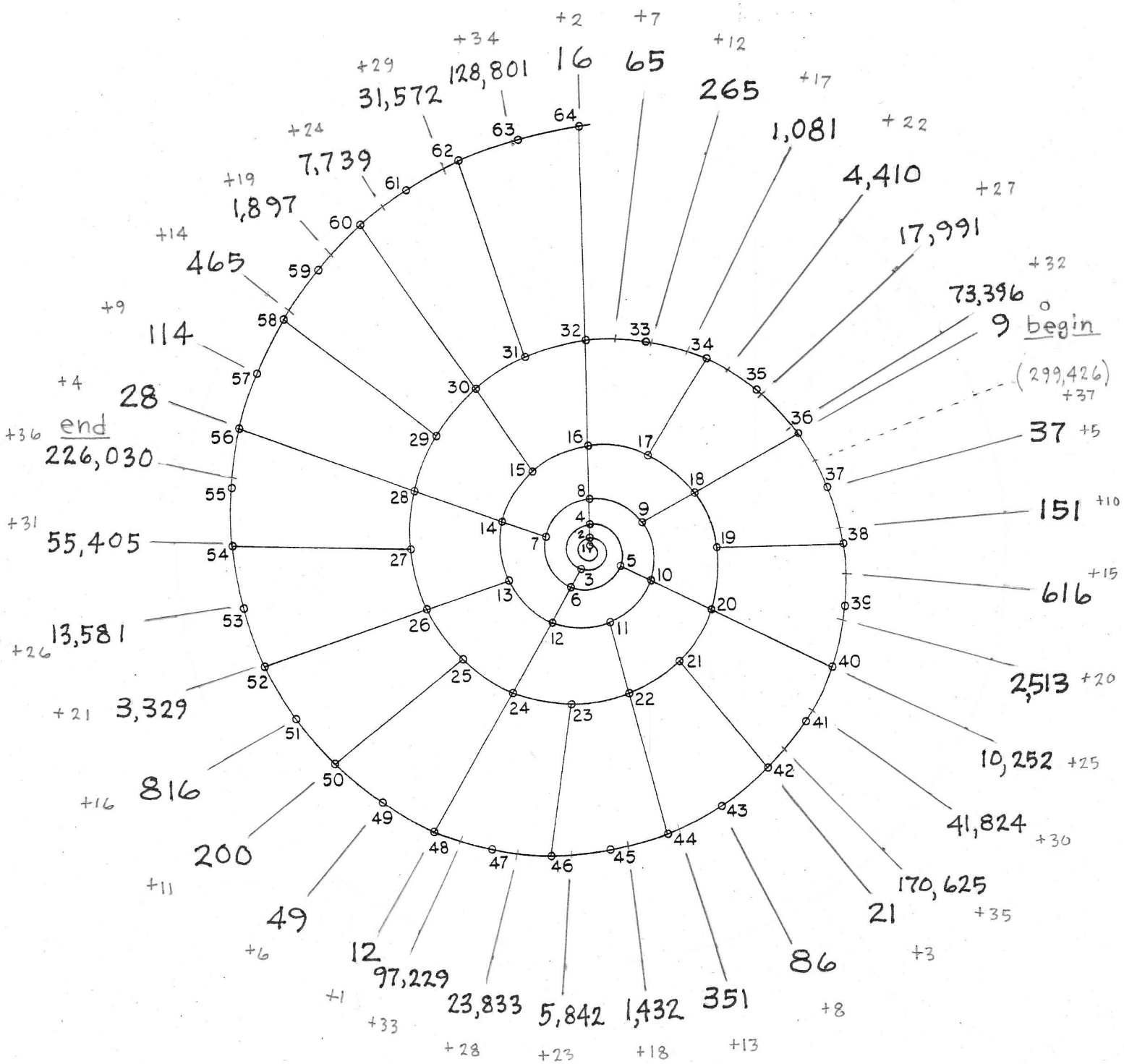


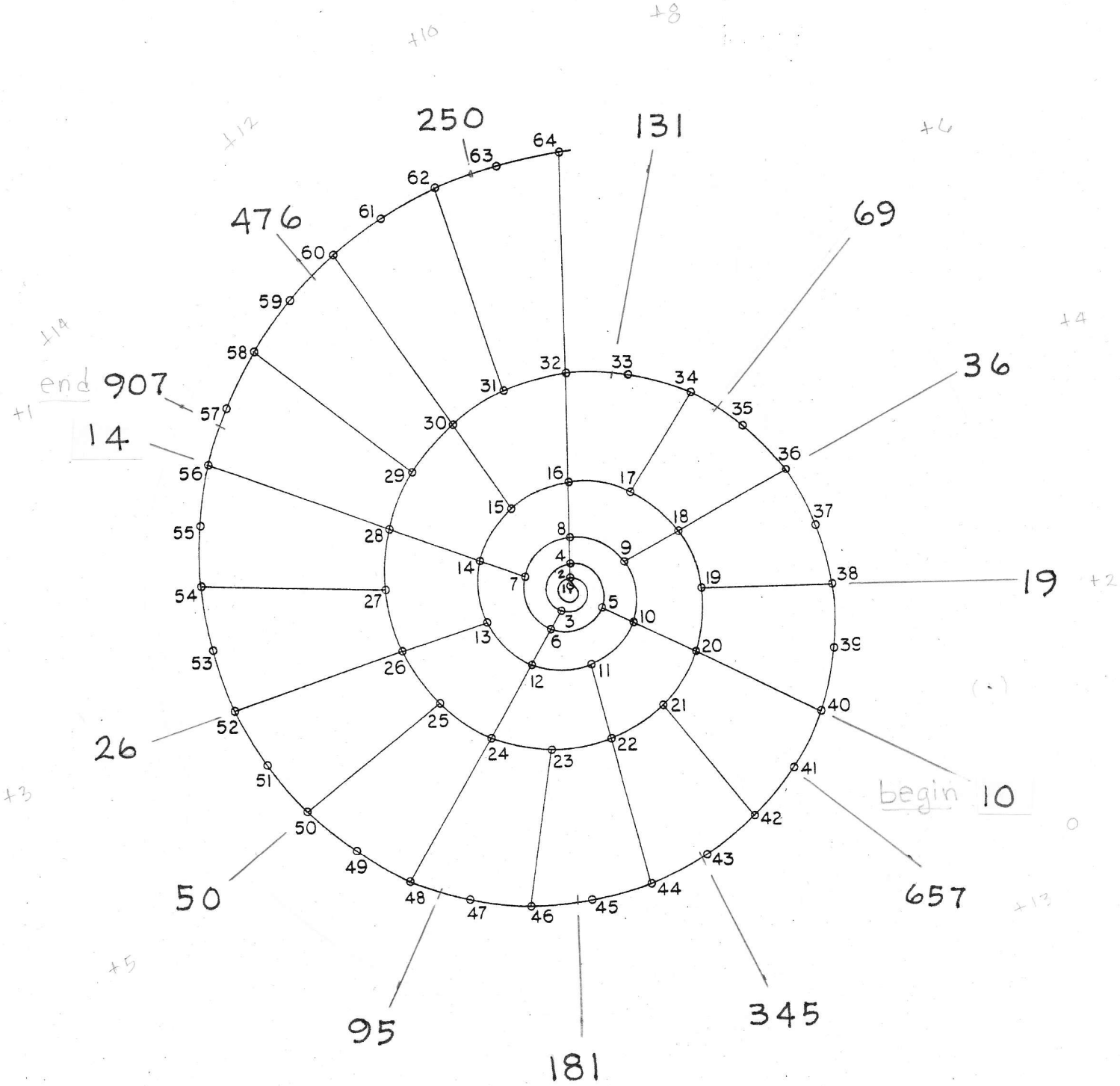
Meru I.
6 JAN 01 · EW



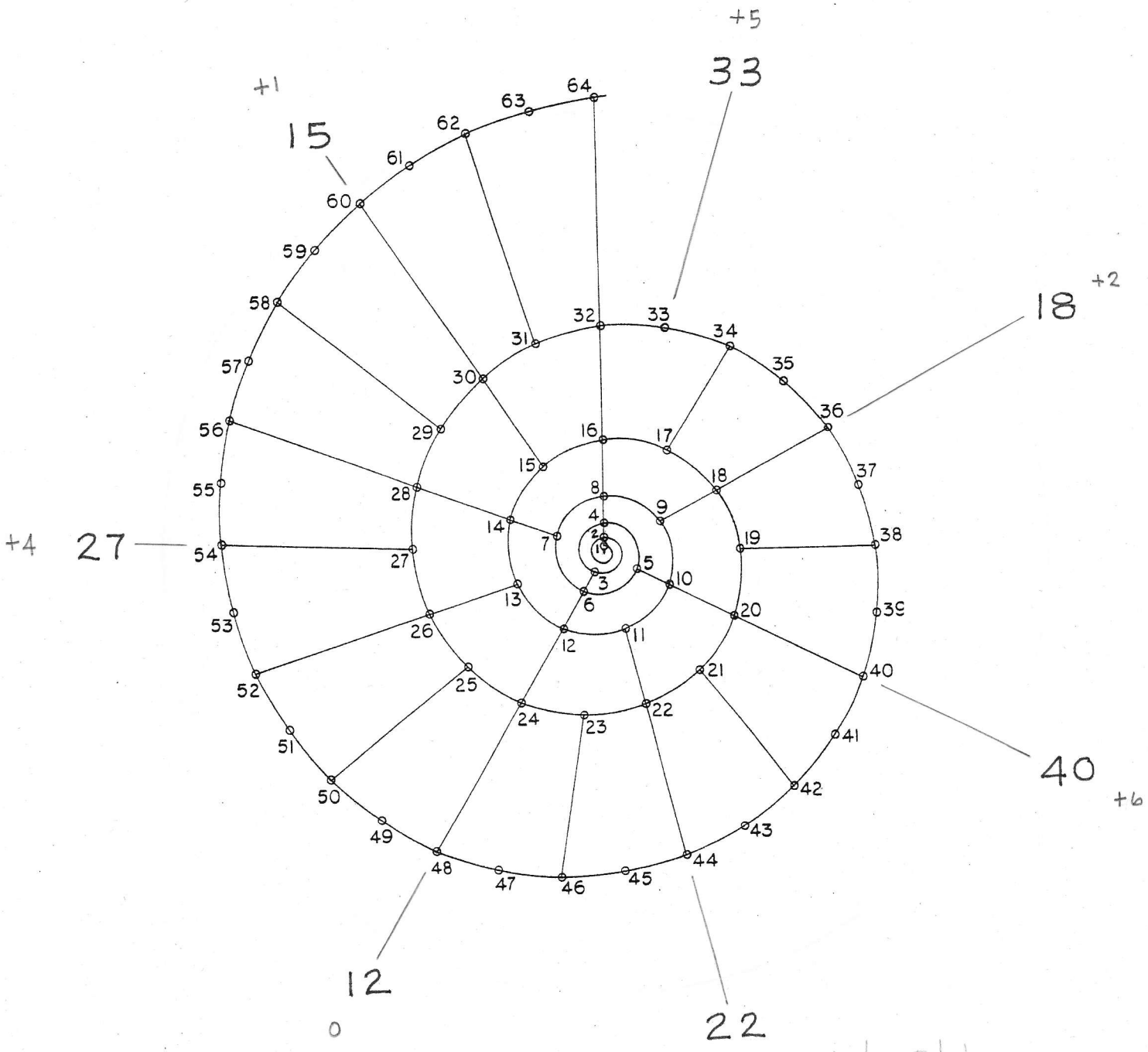
Meru 2
6 Jan 01 . EW



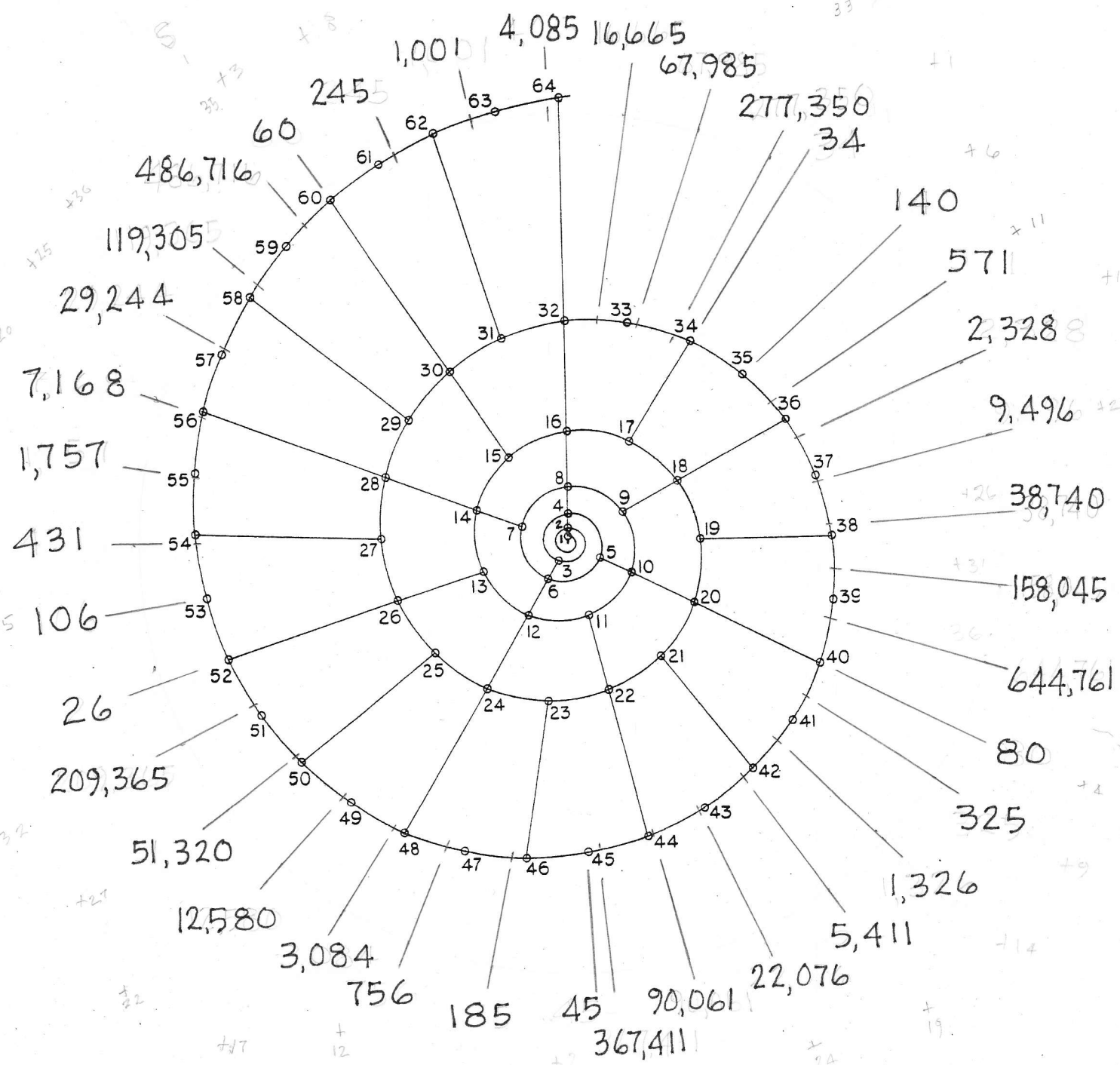
Meru 3
7Jan01.EW



Meru 4
8 Jan 01. EW



Meta-Ptolemy
re-seed Meru 5
9 Jan 2001 · EW



Meru 6

11 Jan 2001 . EW

Meru 1 1.618033988 75..

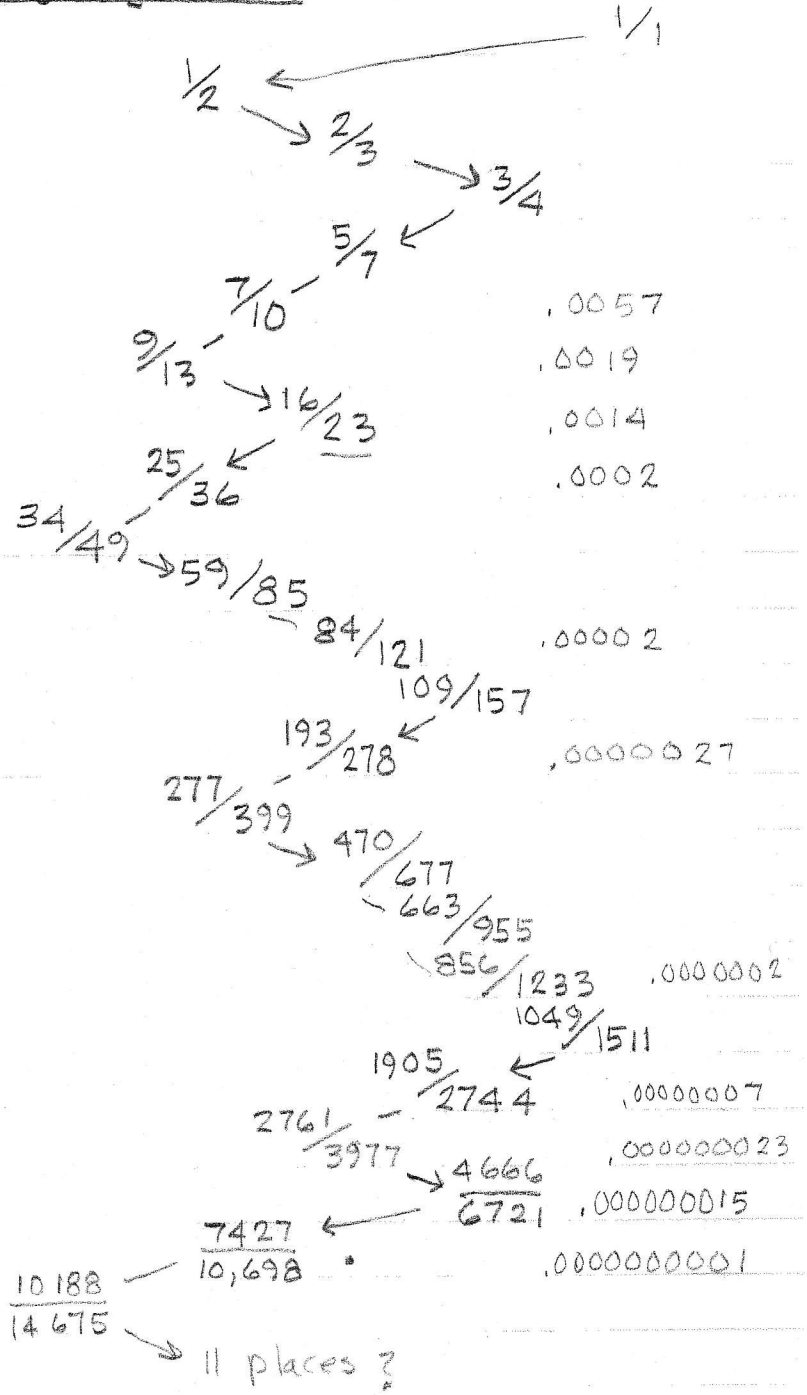
Log_2 - .694241913631..

1/x Pattern

0/1

		.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)

Zig-Zag Pattern

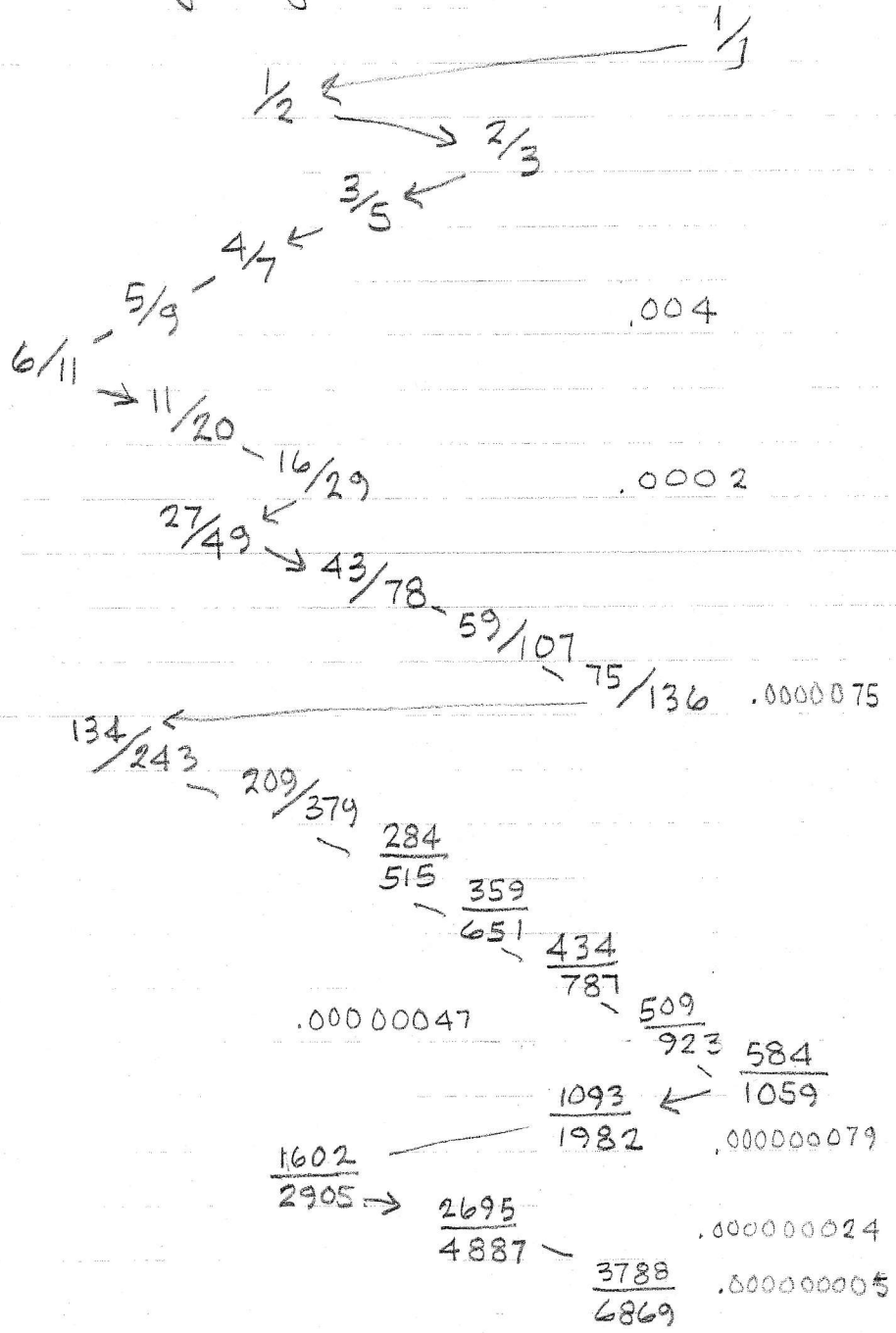


Meru 2, 1.46557123188...

$\log_2$ 1 . .551463089748...

	1/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



0/1

1/1

1/2

2/3

3/5

4/7

5/9 .004

6/11

11/20

16/29 .0002

27/49

43/78

59/107

75/136 .0000075

134/243

209/379

284/515

359/651

434/787

509/923

584/1059

.00000047

1093/1982 .000000079

1602/2905

2695/4887 .000000024

3788/6869 .000000005

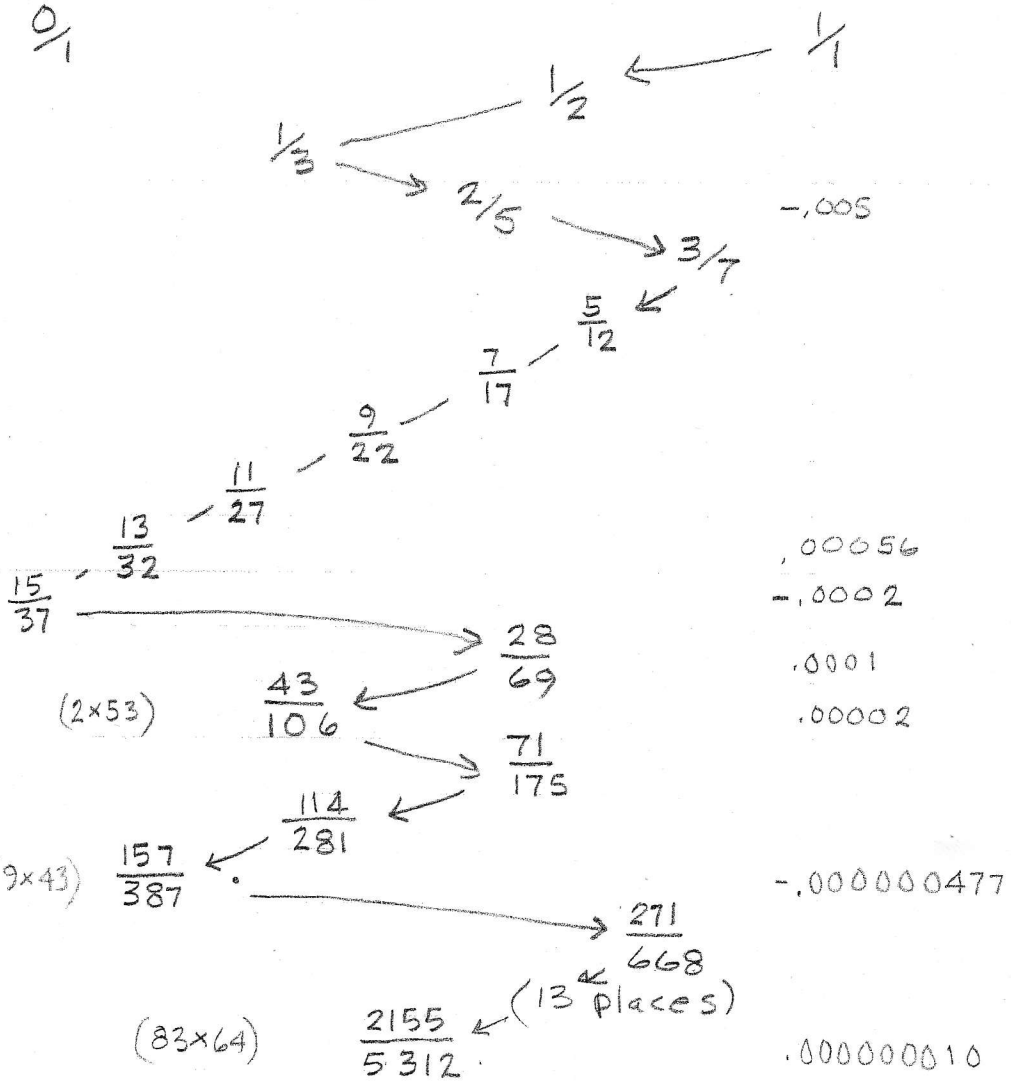
4JAN01·EW

Meru 3 , 1.32471795725 (also Meru 6)

$\log_2$ .405685231382..

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

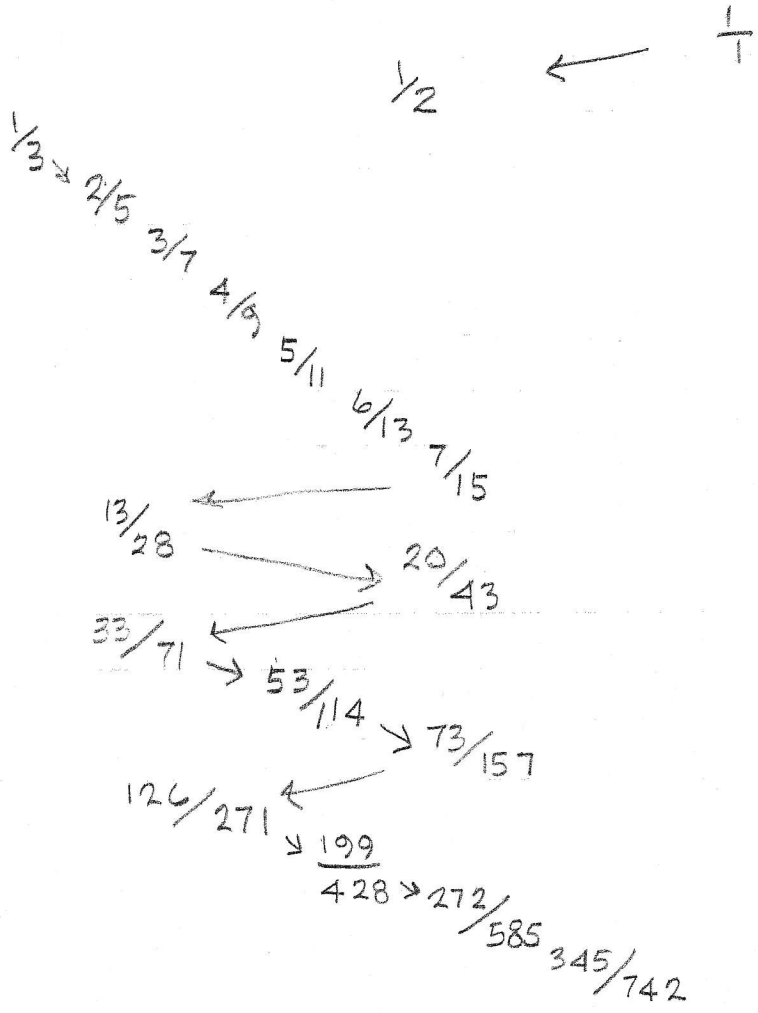
Zig-Zag Pattern



(Meru 4.) 1.380277569

$\log_2$ .464958417209...

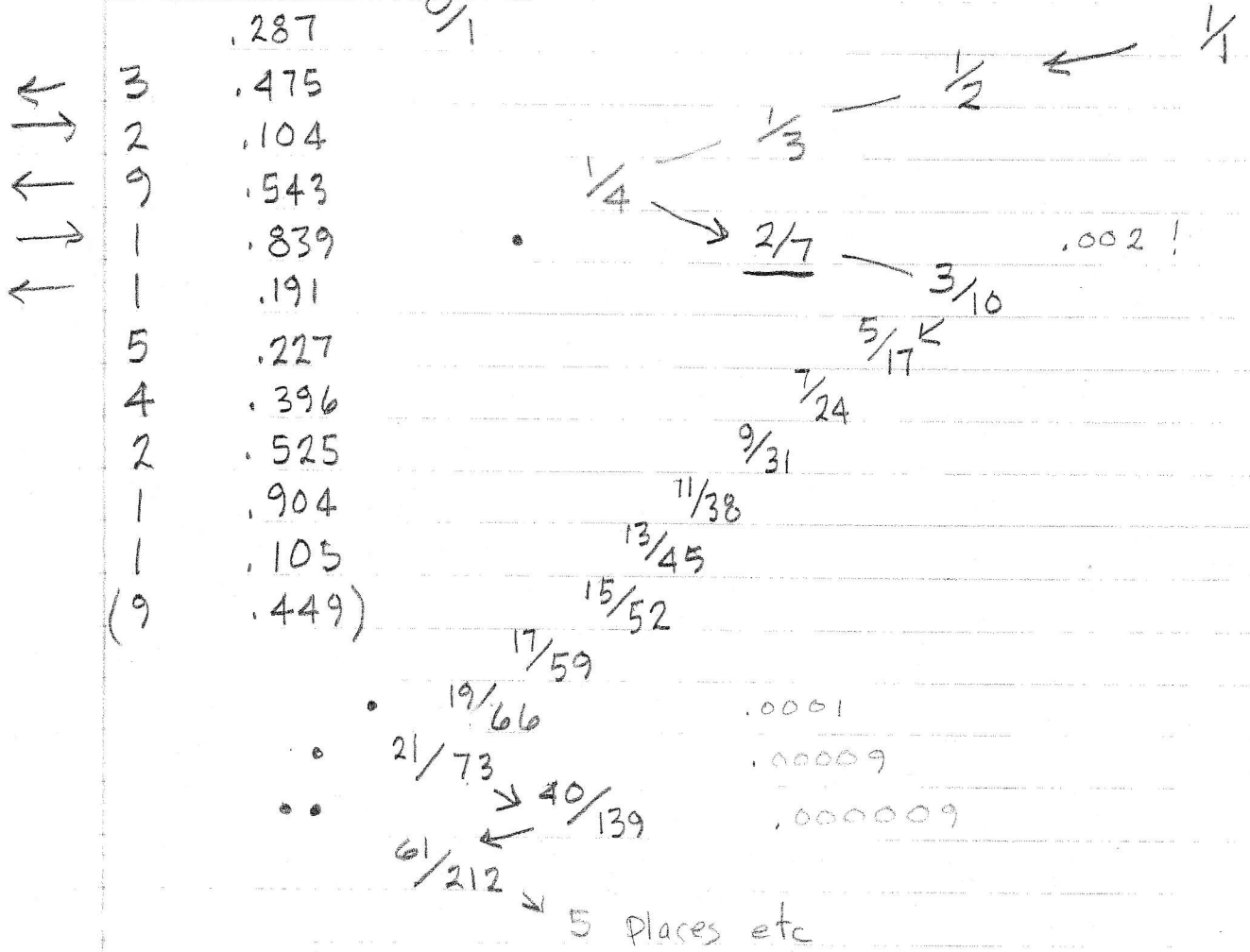
1/x	
	.464
← 2	.150
→ 6	.634
← 1	.576
→ 1	.735
← 1	.360
→ 2	.774
← 1	.290
→ 3	.441
2	.267
3	.737
1	.356
2	.806



Meru 5, 1.22074408461..

$\log_2 = .287760787088...$

	1/x	Pattern
		.287
←	3	.475
→	2	.104
←	9	.543
→	1	.839
←	1	.191
	5	.227
	4	.396
	2	.525
	1	.904
	1	.105
	(9	.449)



0/1

1/1 ← 1/2 — 1/3 — 1/4 → 2/7 — 3/10 — 5/17 — 7/24 — 9/31 — 11/38 — 13/45 — 15/52 — 17/59 — 19/66 — 21/73 → 40/139 → 61/212 → 5 places etc

.002 !

.0001

.00009

.000009

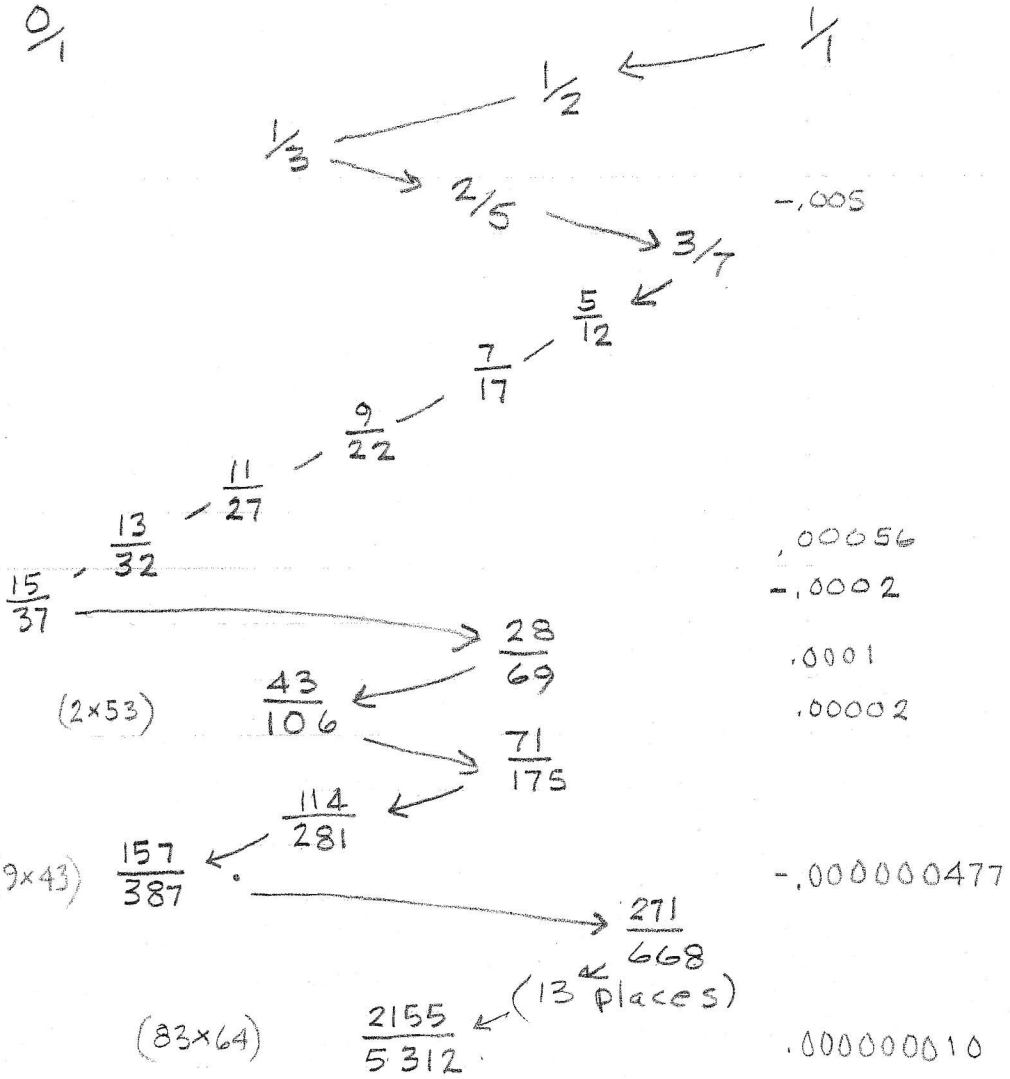
1JAN01.EW

Meru 3 , 1.32471795725 (also Meru 6)

$\log_2$ .405685231382..

1/x 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

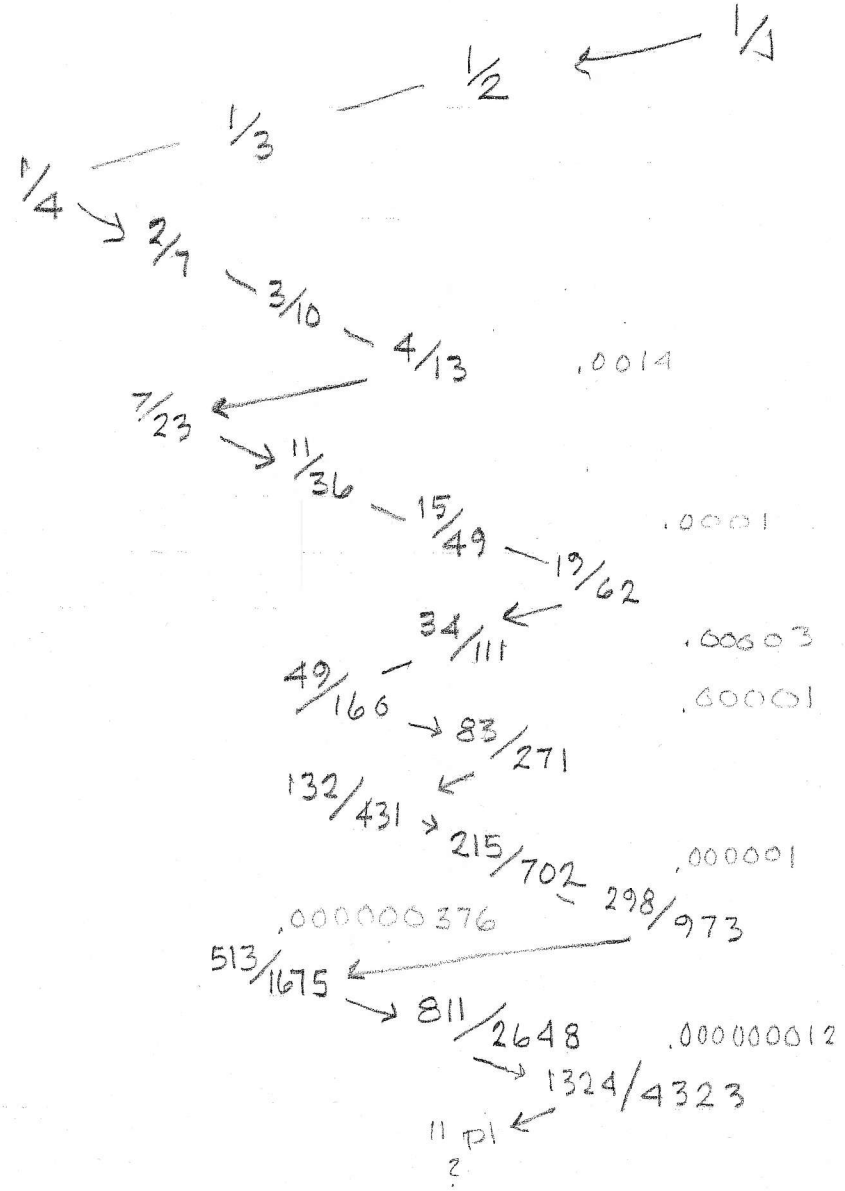


Meru 7 1.236 50570339 ...

$\log_2$ .306 268894183 ...

1/2

		.306
←	3	.265
→	3	.772
←	1	.295
→	3	.387
←	2	.578
→	1	.727
←	1	.373
→	2	.676
←	1	.479
→	2	.086
	(11	.509)?



Meru 8, 1.19385911132..

Log_2 .255632592555..

	1/x	Pattern
←	3	.911
→	1	.096
←	10	.346
→	2	.889
←	1	.124
→	8	.013
←	73	.265
	3	.765

Zig-Zag

0/1

1/1

1/2

1/3

1/4

2/7

3/11

4/15

5/19

6/23

7/27

8/31

9/35

10/39

11/43

12/47

23/90

34/133 (7×19)

57/223

(8 places)

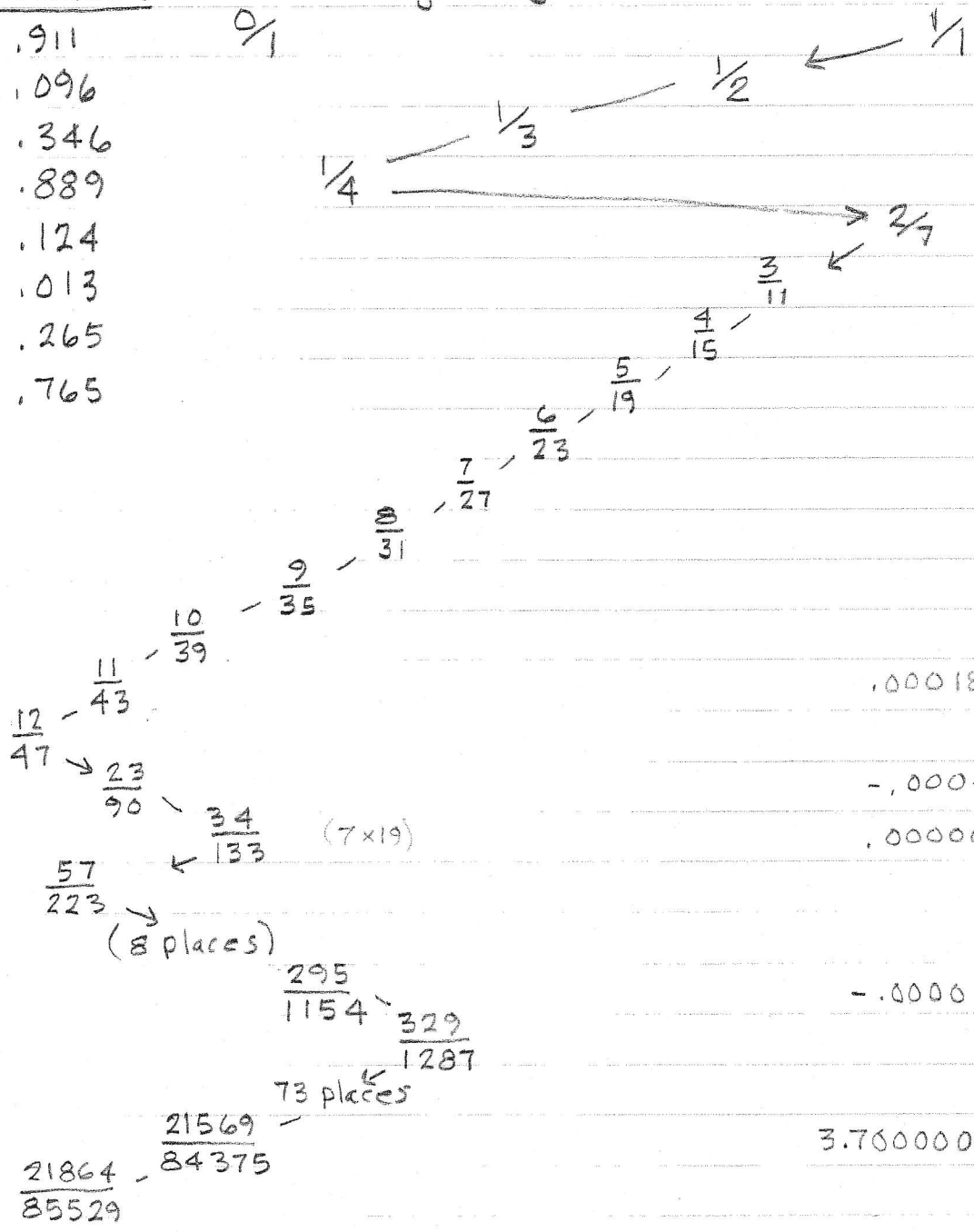
295/1154

329/1287

73 places

21569/84375

21864/85529



.00018

-.000077

.0000065

-.000000010

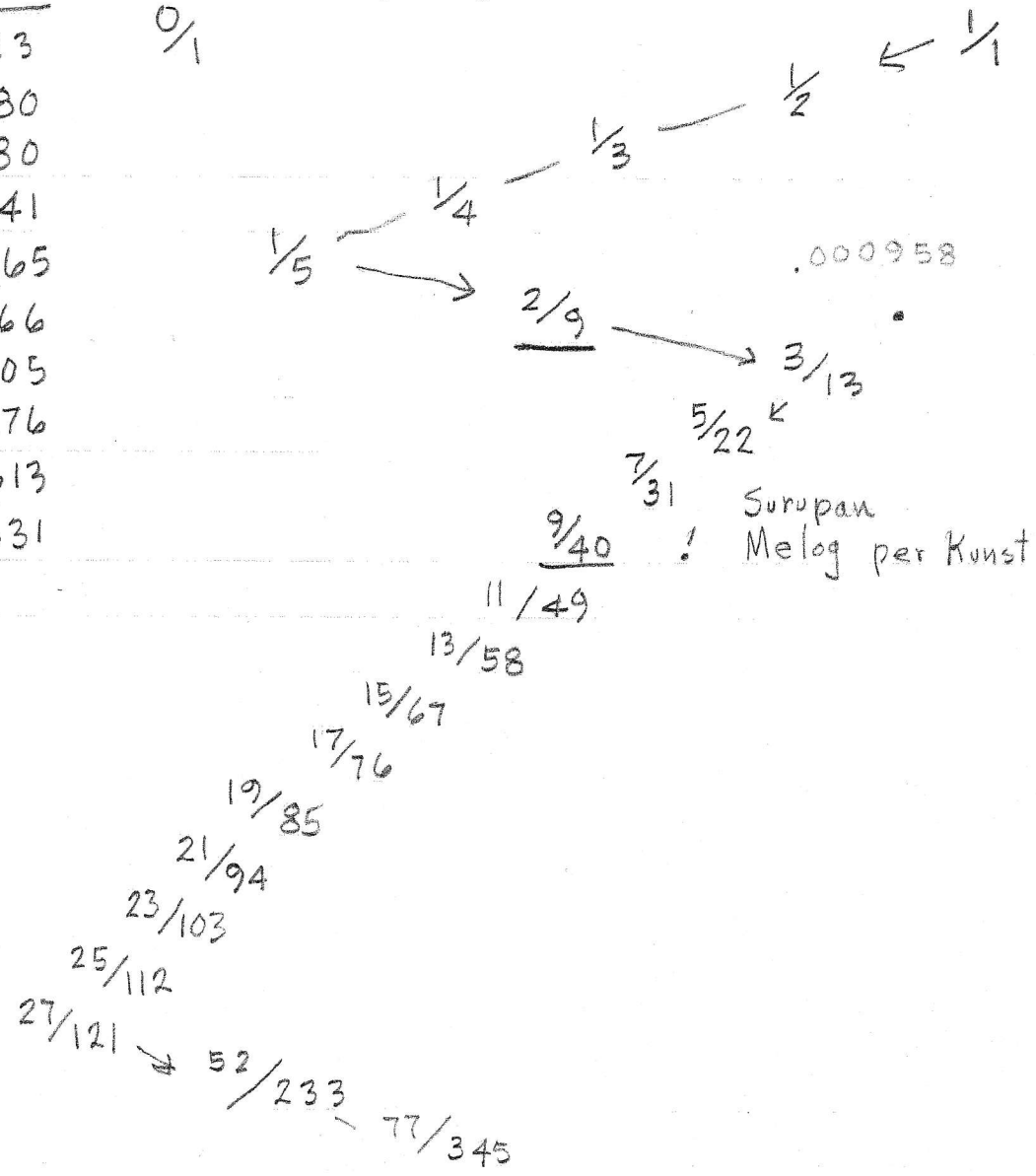
3.7000000E-11

Meru 9 = 1.167303978 26..

$\log_2$ > .223180302967..

1/x Pattern	
	.223
← 4	.480
→ 2	.080
← 12	.441
→ 2	.265
3	.766
1	.305
3	.276
3	.613
1	.631

Zig-Zag Pattern



Work-sheet

0 1 2 3 4 5 6 7 8 9 10/0

0 7 4 1 8 5 2 9 6 3 10/0

+7 -3 -3 7 -3 -3 7 -3 -3 -3

"Meta-Ptolemy" 10-tone 18 73 40 22 89 49 27 109 60 33

~~Ptolemaic~~ reseed of Meru 5; (Meta-Ptolemy)

(-1) 4 1 4 3 5 5 (7 8 10 12 15 18 22 27 33 40

49 "60 73 89 109 133 162 191 242 295 353 433 537 648 786 970 1185

1434 1756 2155 2619 3190 3911 4774

(11/10)

+1

15

30

33

66 +5

(12/11)

(10/9)

+2

18 +2

36

+4 27 54

(10/9)

80 +7

+7 40

(9/8)

disjunction

24

12

0

(11/10)

44

22 Ptolemy

+3 Reseed Meru 5

12/11

9 Jan 2001 - EW