Wilson

Some Exploratory Triangles for "Scales of Mt Meru," 1993 work in progress —

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Converge .754877666249

1/4 pattern

	.754
1	.324717957
3	.079595624
12	.563504820

$A_n = A_{n-3} + A_{n-1}$

(1)	(2)	(3)	(1,)	(2,)	(3,)
0/1	1/0	1/0	1/1	2/1	3/1
(4)	(5)	(6)	(4,)	(5,)	(6,)

$\sqrt{2.147\cdots} = 1.465571232$ ✓

Converges 1.32471795724 ✓
1/x (.754877666249)
Log_2 .40568523 1

RCL 3
+
RCL 1
=
STO 1,
+
RCL 2
=
STO 2,
+
RCL 3
=
STO 3,
RCL 6
+
RCL 4
=
STO 4,
+
RCL 5
=
STO 5,
+
RCL 6
=
STO 6,
RCL 3,
÷
RCL 6,
=
STO 7

★ Converges 2.147899035 70

Log_2 1.10292617949

1/x Pattern

	.120···
9	.715
1	.397
2	.517
1	.932
1	.072
13	.846

0/1

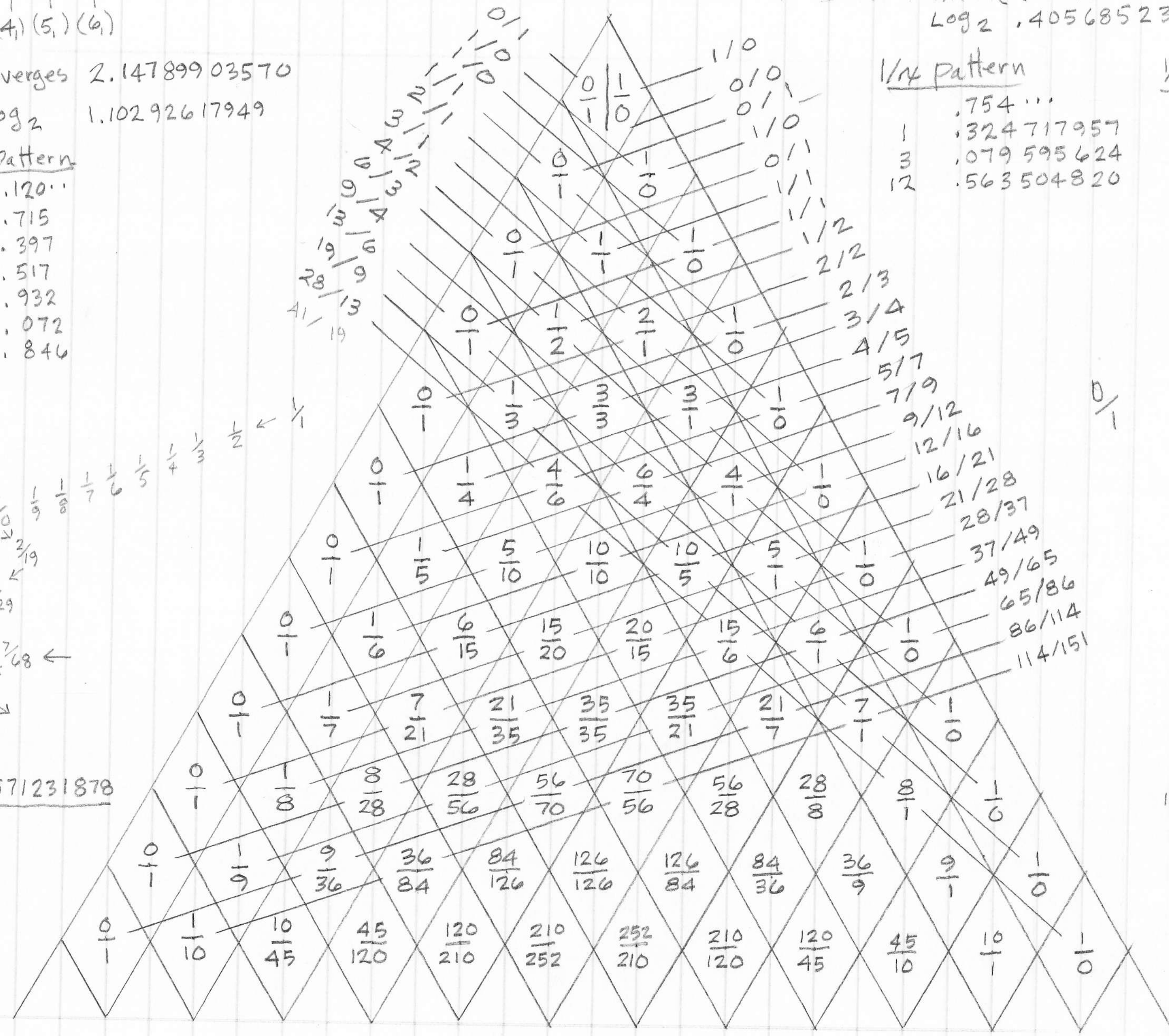
1/1 ← 1/2 1/3 1/4 1/5 1/6 1/7 1/8 1/9 1/10

1/10 → 2/19 → 3/29 → 4/39 → 7/68 ← 11/107

★ 1/x Converge .465571231878

1/x Pattern

2	.147
6	.761
1	.313
3	.190
5	.247
4	.044
22	.547
1	.826



1/x Pattern

	.754···
1	.324717957
3	.079595624
12	.563504820

1/x Pattern Log_2

	.405···
← 2	.464
→ 2	.150
← 6	.635
1	.572
1	.745
1	.341
2	.929
1	.075
13	.276

0/1

1/1 → 1/2 — 1/3 → 2/5 — 3/7 → 5/12 7/17 9/22 11/27 13/32 15/37

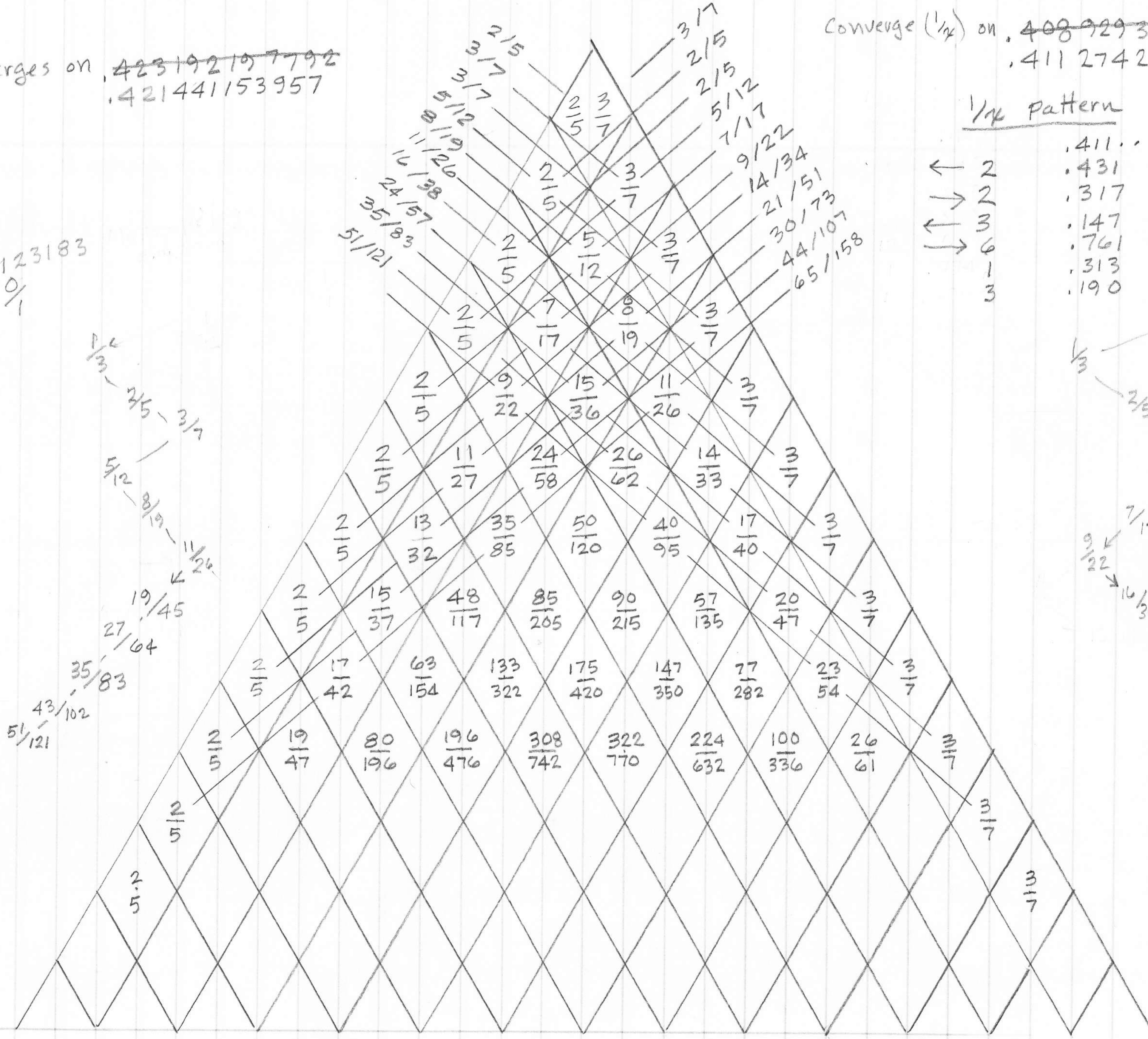
RCL 2,
÷
RCL 6,
STO 7

(1/x) converges on ~~.423192197792~~ .421441153957

1/x pattern

.421...
2 .372
2 .682
1 .46557123183 0/1
2 .147
6 .761
1 .313
3 .190

1/2 1/3 — 2/5 — 3/7 — 5/12 — 8/19 — 11/26 — 19/45 — 27/64 — 35/83 — 43/102 — 51/121



Converge (1/x) on ~~.408929377418~~ .411274277987

1/x pattern

.411...
← 2 .431
→ 2 .317
← 3 .147
→ 6 .761
1 .313
3 .190

1/1 ← 1/2 — 1/3 — 2/5 — 3/7 — 5/12 — 7/17 — 9/22 — 16/39 — 23/56 — 30/73 — 37/90 — 44/107 — 51/124 — 95/231

$$A_n = A_{n-3} + A_{n-1}$$

$\frac{2}{5}$	$\frac{3}{7}$	$\frac{2}{5}$	$\frac{5}{12}$	$\frac{5}{12}$	$\frac{7}{17}$
(1)	(2)	(3)	(1,)	(2,)	(3,)

$B_n = B_{n-3} + B_{n-2}$

RCL 4
+
RCL 5
=
STO 4,
RCL 5
+
RCL 6
=
STO 5,
RCL 6
+
RCL 4,
= STO 6,
RCL 1
+
RCL 2
=
STO 1,
RCL 2
+
RCL 3
=
STO 2,
RCL 3
+
RCL 1,
=
STO 3,
÷
RCL 6,
=
1/x
STO 7

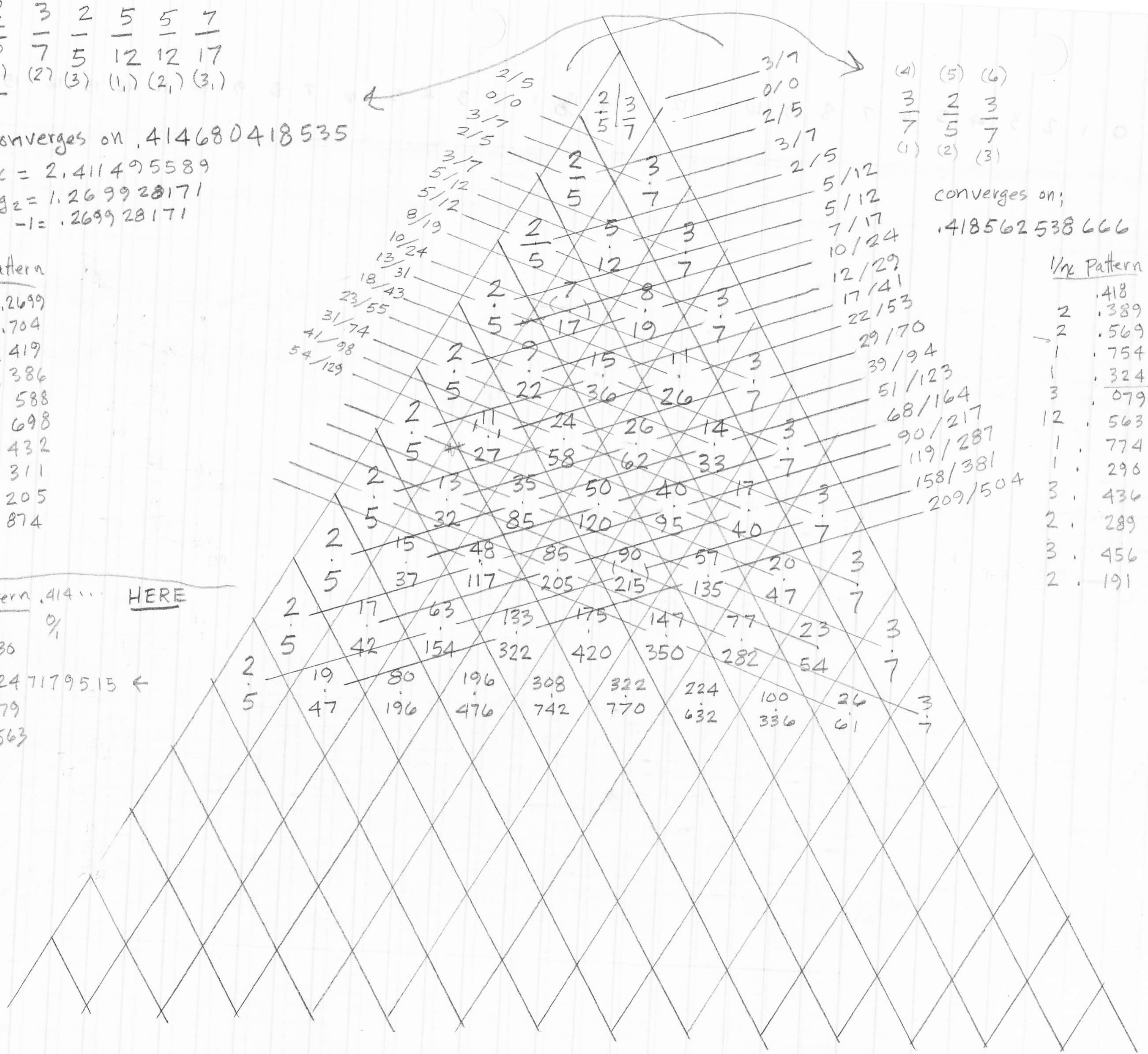
Converges on .414680418535
1/x = 2.411495589
$\log_2$ = 1.269928171
−1 = .269928171

1/x Pattern

	.2699
3	.704
1	.419
2	.386
2	.588
1	.698
1	.432
2	.311
3	.205
4	.874

1/x Pattern .414… HERE

2	.411
2	.430
2	.32471795.15 ←
3	.079
12	.563



(4)	(5)	(6)
$\frac{3}{7}$	$\frac{2}{5}$	$\frac{3}{7}$
(1)	(2)	(3)

converges on;
.418562538666

1/x Pattern

	.418
2	.389
2	.569
1	.754
1	.32471795
3	.079
12	.563
1	.774
1	.296
3	.436
2	.289
3	.456
2	.191

converge .264951581842

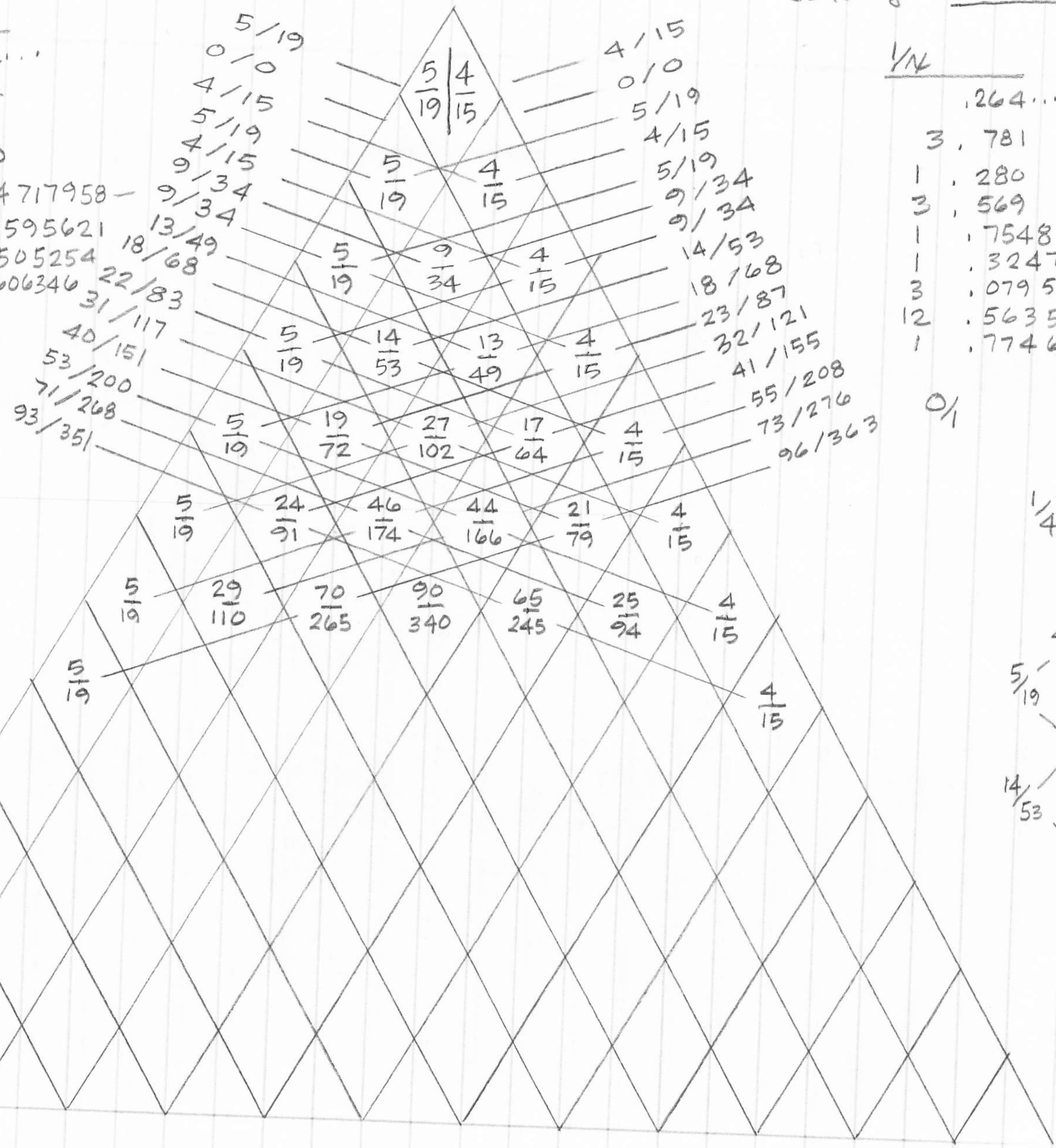
converge .264468127475

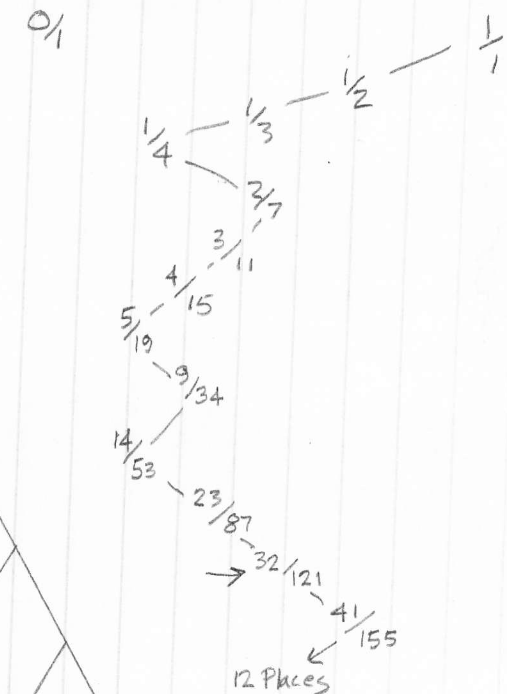
1/N pattern

	.264...
← 3	.774
→ 1	.291
← 3	.430
→ 2	.324717958
← 3	.079595621
→ 12	.563505254
← 1	.774606346

1/N

	.264...
3	.781
1	.280
3	.569
1	.754877667
1	.324717956
3	.079595632
12	.563503564
1	.774611670





Converge .2651259715 ✓

1/x pattern

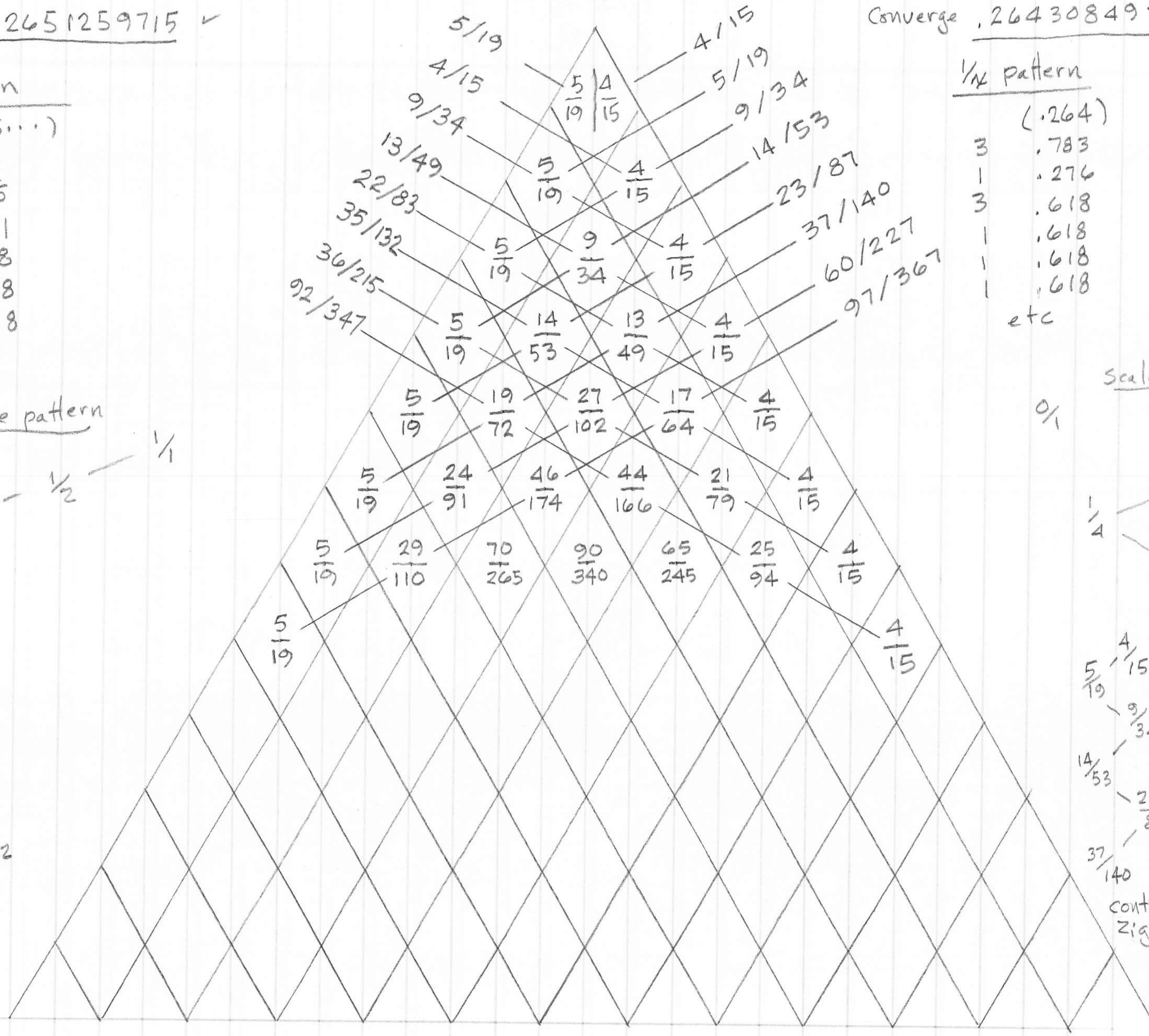
(.265...)

3	.771
1	.295
3	.381
2	.618
1	.618
1	.618

etc

scaletree pattern

0/1, 1/1, 1/2, 1/3, 1/4, 2/7, 3/11, 4/15, 5/19, 9/34, 13/49, 22/83, 35/132, 36/215, 92/347



Converge .264308497 ✓

1/x pattern

(.264)

3	.783
1	.276
3	.618
1	.618
1	.618
1	.618

etc

Scaletree Pattern

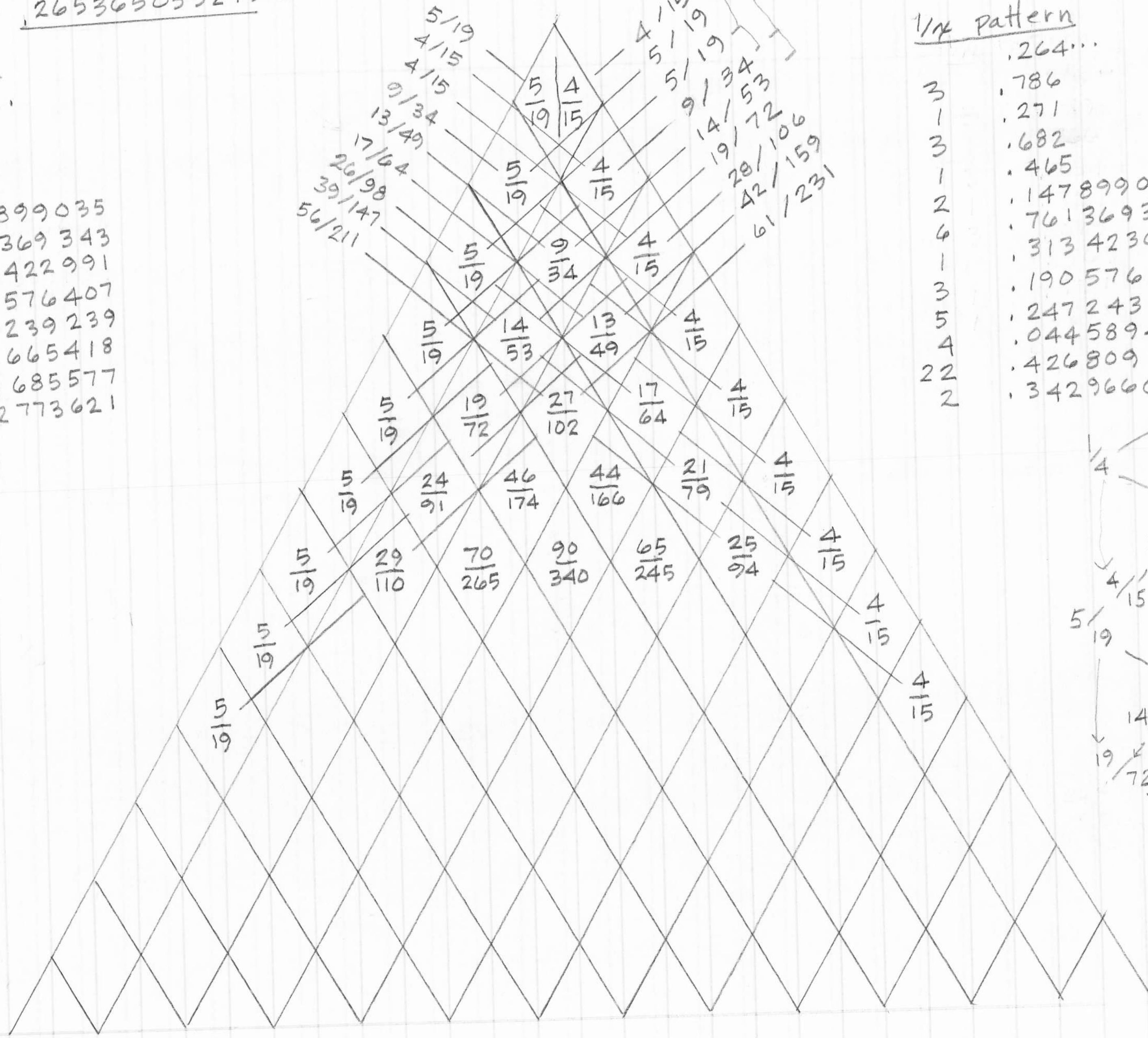
0/1, 1/1, 1/2, 1/3, 1/4, 2/7, 3/11, 4/15, 5/19, 9/34, 14/53, 23/87, 37/140

continue zigzag

converge .265365053275 ✓

1/x Pattern

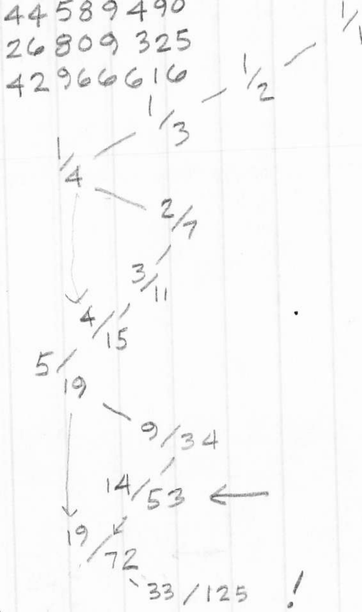
	.265...
3	.768
1	.301
3	.317
3	.147899035
6	.761369343
1	.313422991
3	.190576407
5	.247239239
4	.044665418
22	.388685577
2	.572773621

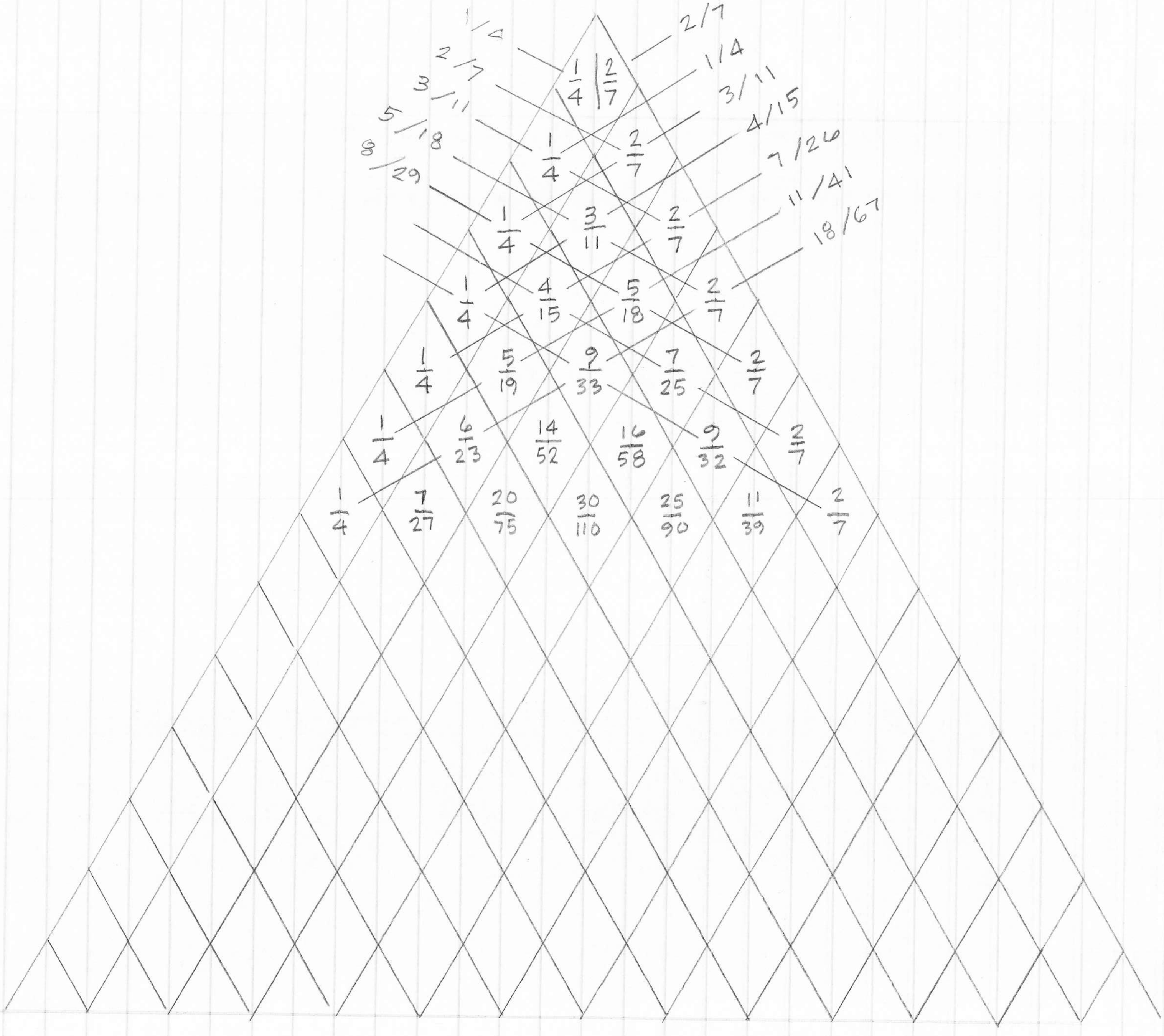


converge .264100942612 ✓

1/x Pattern

	.264...
3	.786
1	.271
3	.682
1	.465
2	.147899035
6	.761369334
1	.313423007
3	.190576238
5	.247243880
4	.044589490
22	.426809325
2	.342966616




1/4
2/7
3/11
5/18
8/29
2/7
1/4
3/11
4/15
7/26
11/41
18/67
1/4 2/7
1/4 2/7
1/4 3/11 2/7
1/4 4/15 5/18 2/7
1/4 5/19 9/33 7/25 2/7
1/4 6/23 14/52 16/58 9/32 2/7
1/4 7/27 20/75 30/110 25/90 11/39 2/7