

MARWA-PURVI AND HIDDEN MURCHANA MATRICES OF SOME ATYPICAL GENERA

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Part I: Octave-Equivalent Genera with Tetrachord Size 7/5

Genus:

1/1	15/14	5/4	7/5
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Marwa Permutations

3/2	10/7	49/30	10/7	10/7	10/7	196/125	1/1	15/14	5/4	125/98	3/2	7/4	25/14	2/1
3/2	10/7	10/7	49/30	10/7	10/7		1/1	15/14	5/4	125/98	3/2	75/49	25/14	2/1
3/2	10/7	10/7	10/7	49/30	10/7		1/1	15/14	375/343	125/98	3/2	75/49	25/14	2/1
3/2	10/7	10/7	10/7	10/7	49/30	↓	1/1	15/14	375/343	125/98	3/2	75/49	3750/2401	2/1
10/7	3/2	10/7	49/30	10/7	10/7	(closing Fifth)	1/1	15/14	5/4	125/98	10/7	75/49	25/14	2/1
10/7	3/2	10/7	10/7	49/30	10/7		1/1	15/14	375/343	125/98	10/7	75/49	25/14	2/1
10/7	3/2	10/7	10/7	10/7	49/30		1/1	15/14	375/343	125/98	10/7	75/49	3750/2401	2/1
10/7	10/7	3/2	10/7	49/30	10/7		1/1	50/49	375/343	125/98	10/7	75/49	25/14	2/1
10/7	10/7	3/2	10/7	10/7	49/30		1/1	50/49	375/343	125/98	10/7	75/49	3750/2401	2/1
10/7	10/7	10/7	3/2	10/7	49/30		1/1	50/49	375/343	125/98	10/7	500/343	3750/2401	2/1

Purvi Modulations

10/7	10/7	3/2	10/7	49/30	10/7	196/125	1/1	50/49	375/343	125/98	10/7	75/49	25/14	2/1
10/7	10/7	10/7	3/2	10/7	49/30		1/1	50/49	375/343	7/5	10/7	75/49	25/14	2/1
49/30	10/7	10/7	10/7	3/2	10/7	↓	1/1	50/49	375/343	7/5	10/7	75/49	12/7	2/1
10/7	49/30	10/7	10/7	10/7	3/2	(closing Fifth)	1/1	50/49	6/5	7/5	10/7	75/49	12/7	2/1
3/2	10/7	49/30	10/7	10/7	10/7		1/1	50/49	6/5	7/5	10/7	8/5	12/7	2/1
10/7	3/2	10/7	49/30	10/7	10/7		1/1	28/25	6/5	7/5	10/7	8/5	12/7	2/1
10/7	10/7	3/2	10/7	49/30	10/7		1/1	28/25	6/5	7/5	196/125	8/5	12/7	2/1

Murchana Matrix

1/1	15/14	5/4	7/5	10/7	75/49	25/14
28/15	1/1	7/6	98/75	4/3	10/7	5/3
8/5	12/7	1/1	28/25	8/7	60/49	10/7
10/7	75/49	25/14	1/1	50/49	375/343	125/98
7/5	3/2	7/4	49/25	1/1	15/14	5/4
98/75	7/5	49/30	686/375	28/15	1/1	7/6
28/25	6/5	7/5	196/125	8/5	12/7	1/1

Hidden Murchana Matrix I

1/1	28/25	98/75	7/5	686/375	28/15
25/14	1/1	7/6	5/4	49/30	5/3
75/49	12/7	1/1	15/14	7/5	10/7
10/7	8/5	28/15	1/1	98/75	4/3
375/343	60/49	10/7	75/49	1/1	50/49
15/14	6/5	7/5	3/2	49/25	1/1

Hidden Murchana Matrix II

1/1	50/49	125/98	10/7	5/3	25/14
49/25	1/1	5/4	7/5	49/30	7/4
196/125	8/5	1/1	28/25	98/75	7/5
7/5	10/7	25/14	1/1	7/6	5/4
6/5	60/49	75/49	12/7	1/1	15/14
28/25	8/7	10/7	8/5	28/15	1/1

Genus:

1/1	8/7	6/5	7/5
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Marwa Permutations

8/5	10/7	147/100	10/7	10/7	10/7
8/5	10/7	10/7	147/100	10/7	10/7
8/5	10/7	10/7	10/7	147/100	10/7
8/5	10/7	10/7	10/7	10/7	147/100
10/7	8/5	10/7	147/100	10/7	10/7
10/7	8/5	10/7	10/7	147/100	10/7
10/7	8/5	10/7	10/7	10/7	147/100
10/7	10/7	8/5	10/7	147/100	10/7
10/7	10/7	8/5	10/7	10/7	147/100
10/7	10/7	10/7	8/5	10/7	147/100

49/30
↓
(closing
Fifth)

1/1	8/7	6/5	60/49	8/5	42/25	12/7	2/1
1/1	8/7	6/5	60/49	8/5	80/49	12/7	2/1
1/1	8/7	400/343	60/49	8/5	80/49	12/7	2/1
1/1	8/7	400/343	60/49	8/5	80/49	4000/2401	2/1
1/1	8/7	6/5	60/49	10/7	80/49	12/7	2/1
1/1	8/7	400/343	60/49	10/7	80/49	12/7	2/1
1/1	8/7	400/343	60/49	10/7	80/49	4000/2401	2/1
1/1	50/49	400/343	60/49	10/7	80/49	12/7	2/1
1/1	50/49	400/343	60/49	10/7	80/49	4000/2401	2/1
1/1	50/49	400/343	60/49	10/7	500/343	4000/2401	2/1

Purvi Modulations

10/7	10/7	8/5	10/7	147/100	10/7
10/7	10/7	10/7	8/5	10/7	147/100
147/100	10/7	10/7	10/7	8/5	10/7
10/7	147/100	10/7	10/7	10/7	8/5
8/5	10/7	147/100	10/7	10/7	10/7
10/7	8/5	10/7	147/100	10/7	10/7
10/7	10/7	8/5	10/7	147/100	10/7

49/30
↓
(closing
Fifth)

1/1	50/49	400/343	60/49	10/7	80/49	12/7	2/1
1/1	50/49	400/343	7/5	10/7	80/49	12/7	2/1
1/1	50/49	400/343	7/5	10/7	80/49	40/21	2/1
1/1	50/49	4/3	7/5	10/7	80/49	40/21	2/1
1/1	50/49	4/3	7/5	10/7	5/3	40/21	2/1
1/1	7/6	4/3	7/5	10/7	5/3	40/21	2/1
1/1	7/6	4/3	7/5	49/30	5/3	40/21	2/1

Murchana Matrix

1/1	8/7	6/5	7/5	10/7	80/49	12/7
7/4	1/1	21/20	49/40	5/4	10/7	3/2
5/3	40/21	1/1	7/6	25/21	200/147	10/7
10/7	80/49	12/7	1/1	50/49	400/343	60/49
7/5	8/5	42/25	49/25	1/1	8/7	6/5
49/40	7/5	147/100	343/200	7/4	1/1	21/20
7/6	4/3	7/5	49/30	5/3	40/21	1/1

Hidden Murchana Matrix I

1/1	7/6	49/40	7/5	343/200	7/4
12/7	1/1	21/20	6/5	147/100	3/2
80/49	40/21	1/1	8/7	7/5	10/7
10/7	5/3	7/4	1/1	49/40	5/4
400/343	200/147	10/7	80/49	1/1	50/49
8/7	4/3	7/5	8/5	49/25	1/1

Hidden Murchana Matrix II

1/1	50/49	60/49	10/7	3/2	12/7
49/25	1/1	6/5	7/5	147/100	42/25
49/30	5/3	1/1	7/6	49/40	7/5
7/5	10/7	12/7	1/1	21/20	6/5
4/3	200/147	80/49	40/21	1/1	8/7
7/6	25/21	10/7	5/3	7/4	1/1

Genus:

1/1	7/6	4/3	7/5
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Marwa Permutations

49/30	10/7	8/5	10/7	10/7	10/7	147/100 ↓ (closing Fifth)	1/1	7/6	4/3	200/147	49/30	28/15	40/21	2/1
49/30	10/7	10/7	8/5	10/7	10/7		1/1	7/6	4/3	200/147	49/30	5/3	40/21	2/1
49/30	10/7	10/7	10/7	8/5	10/7		1/1	7/6	25/21	200/147	49/30	5/3	40/21	2/1
49/30	10/7	10/7	10/7	10/7	8/5		1/1	7/6	25/21	200/147	49/30	5/3	250/147	2/1
10/7	49/30	10/7	8/5	10/7	10/7		1/1	7/6	4/3	200/147	10/7	5/3	40/21	2/1
10/7	49/30	10/7	10/7	8/5	10/7		1/1	7/6	25/21	200/147	10/7	5/3	40/21	2/1
10/7	49/30	10/7	10/7	10/7	8/5		1/1	7/6	25/21	200/147	10/7	5/3	250/147	2/1
10/7	10/7	49/30	10/7	8/5	10/7		1/1	50/49	25/21	200/147	10/7	5/3	40/21	2/1
10/7	10/7	49/30	10/7	10/7	8/5		1/1	50/49	25/21	200/147	10/7	5/3	250/147	2/1
10/7	10/7	10/7	49/30	10/7	8/5		1/1	50/49	25/21	200/147	10/7	500/343	250/147	2/1

Purvi Modulations

10/7	10/7	49/30	10/7	8/5	10/7	147/100 ↓ (closing Fifth)	1/1	50/49	25/21	200/147	10/7	5/3	40/21	2/1
10/7	10/7	10/7	49/30	10/7	8/5		1/1	50/49	25/21	7/5	10/7	5/3	40/21	2/1
8/5	10/7	10/7	10/7	49/30	10/7		1/1	50/49	25/21	7/5	10/7	5/3	7/4	2/1
10/7	8/5	10/7	10/7	10/7	49/30		1/1	50/49	49/40	7/5	10/7	5/3	7/4	2/1
49/30	10/7	8/5	10/7	10/7	10/7		1/1	50/49	49/40	7/5	10/7	3/2	7/4	2/1
10/7	49/30	10/7	8/5	10/7	10/7		1/1	21/20	49/40	7/5	10/7	3/2	7/4	2/1
10/7	10/7	49/30	10/7	8/5	10/7		1/1	21/20	49/40	7/5	147/100	3/2	7/4	2/1

Murchana Matrix

1/1	7/6	4/3	7/5	10/7	5/3	40/21
12/7	1/1	8/7	6/5	60/49	10/7	80/49
3/2	7/4	1/1	21/20	15/14	5/4	10/7
10/7	5/3	40/21	1/1	50/49	25/21	200/147
7/5	49/30	28/15	49/25	1/1	7/6	4/3
6/5	7/5	8/5	42/25	12/7	1/1	8/7
21/20	49/40	7/5	147/100	3/2	7/4	1/1

Hidden Murchana Matrix I

1/1	21/20	6/5	7/5	42/25	12/7
40/21	1/1	8/7	4/3	8/5	80/49
5/3	7/4	1/1	7/6	7/5	10/7
10/7	3/2	12/7	1/1	6/5	60/49
25/21	5/4	10/7	5/3	1/1	50/49
7/6	49/40	7/5	49/30	49/25	1/1

Hidden Murchana Matrix II

1/1	50/49	200/147	10/7	80/49	40/21
49/25	1/1	4/3	7/5	8/5	28/15
147/100	3/2	1/1	21/20	6/5	7/5
7/5	10/7	40/21	1/1	8/7	4/3
49/40	5/4	5/3	7/4	1/1	7/6
21/20	15/14	10/7	3/2	12/7	1/1

Genus:

1/1	21/20	6/5	7/5
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Marwa Permutations

147/100	10/7	8/5	10/7	10/7	10/7
147/100	10/7	10/7	8/5	10/7	10/7
147/100	10/7	10/7	10/7	8/5	10/7
147/100	10/7	10/7	10/7	10/7	8/5
10/7	147/100	10/7	8/5	10/7	10/7
10/7	147/100	10/7	10/7	8/5	10/7
10/7	10/7	147/100	10/7	8/5	10/7
10/7	10/7	147/100	10/7	10/7	8/5
10/7	10/7	10/7	147/100	10/7	8/5

49/30
↓
(closing
Fifth)

1/1	21/20	6/5	60/49	147/100	42/25	12/7	2/1
1/1	21/20	6/5	60/49	147/100	3/2	12/7	2/1
1/1	21/20	15/14	60/49	147/100	3/2	12/7	2/1
1/1	21/20	15/14	60/49	147/100	3/2	75/49	2/1
1/1	21/20	6/5	60/49	10/7	3/2	12/7	2/1
1/1	21/20	15/14	60/49	10/7	3/2	12/7	2/1
1/1	21/20	15/14	60/49	10/7	3/2	75/49	2/1
1/1	50/49	15/14	60/49	10/7	3/2	12/7	2/1
1/1	50/49	15/14	60/49	10/7	3/2	75/49	2/1
1/1	50/49	15/14	60/49	10/7	500/343	75/49	2/1

Purvi Modulations

10/7	10/7	147/100	10/7	8/5	10/7
10/7	10/7	10/7	147/100	10/7	8/5
8/5	10/7	10/7	10/7	147/100	10/7
10/7	8/5	10/7	10/7	10/7	147/100
147/100	10/7	8/5	10/7	10/7	10/7
10/7	147/100	10/7	8/5	10/7	10/7
10/7	10/7	147/100	10/7	8/5	10/7

49/30
↓
(closing
Fifth)

1/1	50/49	15/14	60/49	10/7	3/2	12/7	2/1
1/1	50/49	15/14	7/5	10/7	3/2	12/7	2/1
1/1	50/49	15/14	7/5	10/7	3/2	7/4	2/1
1/1	50/49	49/40	7/5	10/7	3/2	7/4	2/1
1/1	50/49	49/40	7/5	10/7	5/3	7/4	2/1
1/1	7/6	49/40	7/5	10/7	5/3	7/4	2/1
1/1	7/6	49/40	7/5	49/30	5/3	7/4	2/1

Murchana Matrix

1/1	21/20	6/5	7/5	10/7	3/2	12/7
40/21	1/1	8/7	4/3	200/147	10/7	80/49
5/3	7/4	1/1	7/6	25/21	5/4	10/7
10/7	3/2	12/7	1/1	50/49	15/14	60/49
7/5	147/100	42/25	49/25	1/1	21/20	6/5
4/3	7/5	8/5	28/15	40/21	1/1	8/7
7/6	49/40	7/5	49/30	5/3	7/4	1/1

Hidden Murchana Matrix I

1/1	7/6	4/3	7/5	28/15	40/21
12/7	1/1	8/7	6/5	8/5	80/49
3/2	7/4	1/1	21/20	7/5	10/7
10/7	5/3	40/21	1/1	4/3	200/147
15/14	5/4	10/7	3/2	1/1	50/49
21/20	49/40	7/5	147/100	49/25	1/1

Hidden Murchana Matrix II

1/1	50/49	60/49	10/7	80/49	12/7
49/25	1/1	6/5	7/5	8/5	42/25
49/30	5/3	1/1	7/6	4/3	7/5
7/5	10/7	12/7	1/1	8/7	6/5
49/40	5/4	3/2	7/4	1/1	21/20
7/6	25/21	10/7	5/3	40/21	1/1

Genus:

1/1	7/6	5/4	7/5
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Marwa Permutations

49/30	10/7	3/2	10/7	10/7	10/7	196/125 ↓ (closing Fifth)
49/30	10/7	10/7	3/2	10/7	10/7	
49/30	10/7	10/7	10/7	3/2	10/7	
49/30	10/7	10/7	10/7	10/7	3/2	
10/7	49/30	10/7	3/2	10/7	10/7	
10/7	49/30	10/7	10/7	3/2	10/7	
10/7	49/30	10/7	10/7	10/7	3/2	
10/7	10/7	49/30	10/7	3/2	10/7	
10/7	10/7	49/30	10/7	10/7	3/2	
10/7	10/7	10/7	49/30	10/7	3/2	

1/1	7/6	5/4	125/98	49/30	7/4	25/14	2/1
1/1	7/6	5/4	125/98	49/30	5/3	25/14	2/1
1/1	7/6	25/21	125/98	49/30	5/3	25/14	2/1
1/1	7/6	25/21	125/98	49/30	5/3	250/147	2/1
1/1	7/6	5/4	125/98	10/7	5/3	25/14	2/1
1/1	7/6	25/21	125/98	10/7	5/3	25/14	2/1
1/1	7/6	25/21	125/98	10/7	5/3	250/147	2/1
1/1	50/49	25/21	125/98	10/7	5/3	25/14	2/1
1/1	50/49	25/21	125/98	10/7	5/3	250/147	2/1
1/1	50/49	25/21	125/98	10/7	500/343	250/147	2/1

Purvi Modulations

10/7	10/7	49/30	10/7	3/2	10/7	196/125 ↓ (closing Fifth)
10/7	10/7	10/7	49/30	10/7	3/2	
3/2	10/7	10/7	10/7	49/30	10/7	
10/7	3/2	10/7	10/7	10/7	49/30	
49/30	10/7	3/2	10/7	10/7	10/7	
10/7	49/30	10/7	3/2	10/7	10/7	
10/7	10/7	49/30	10/7	3/2	10/7	
10/7	10/7	49/30	10/7	3/2	10/7	

1/1	50/49	25/21	125/98	10/7	5/3	25/14	2/1
1/1	50/49	25/21	7/5	10/7	5/3	25/14	2/1
1/1	50/49	25/21	7/5	10/7	5/3	28/15	2/1
1/1	50/49	98/75	7/5	10/7	5/3	28/15	2/1
1/1	50/49	98/75	7/5	10/7	8/5	28/15	2/1
1/1	28/25	98/75	7/5	10/7	8/5	28/15	2/1
1/1	28/25	98/75	7/5	196/125	8/5	28/15	2/1

Murchana Matrix

1/1	7/6	5/4	7/5	10/7	5/3	25/14
12/7	1/1	15/14	6/5	60/49	10/7	75/49
8/5	28/15	1/1	28/25	8/7	4/3	10/7
10/7	5/3	25/14	1/1	50/49	25/21	125/98
7/5	49/30	7/4	49/25	1/1	7/6	5/4
6/5	7/5	3/2	42/25	12/7	1/1	15/14
28/25	98/75	7/5	196/125	8/5	28/15	1/1

Hidden Murchana Matrix I

1/1	28/25	6/5	7/5	42/25	12/7
25/14	1/1	15/14	5/4	3/2	75/49
5/3	28/15	1/1	7/6	7/5	10/7
10/7	8/5	12/7	1/1	6/5	60/49
25/21	4/3	10/7	5/3	1/1	50/49
7/6	98/75	7/5	49/30	49/25	1/1

Hidden Murchana Matrix II

1/1	50/49	125/98	10/7	75/49	25/14
49/25	1/1	5/4	7/5	3/2	7/4
196/125	8/5	1/1	28/25	6/5	7/5
7/5	10/7	25/14	1/1	15/14	5/4
98/75	4/3	5/3	28/15	1/1	7/6
28/25	8/7	10/7	8/5	12/7	1/1

Genus:

1/1	21/20	7/6	7/5
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Marwa Permutations

147/100	10/7	14/9	10/7	10/7	10/7	42/25	1/1	21/20	7/6	25/21	147/100	49/30	5/3	2/1
147/100	10/7	10/7	14/9	10/7	10/7		1/1	21/20	7/6	25/21	147/100	3/2	5/3	2/1
147/100	10/7	10/7	10/7	14/9	10/7	↓	1/1	21/20	15/14	25/21	147/100	3/2	5/3	2/1
147/100	10/7	10/7	10/7	10/7	14/9	(closing	1/1	21/20	15/14	25/21	147/100	3/2	75/49	2/1
10/7	147/100	10/7	14/9	10/7	10/7	Fifth)	1/1	21/20	7/6	25/21	10/7	3/2	5/3	2/1
10/7	147/100	10/7	10/7	14/9	10/7		1/1	21/20	15/14	25/21	10/7	3/2	5/3	2/1
10/7	147/100	10/7	10/7	10/7	14/9		1/1	21/20	15/14	25/21	10/7	3/2	75/49	2/1
10/7	10/7	147/100	10/7	14/9	10/7		1/1	50/49	15/14	25/21	10/7	3/2	5/3	2/1
10/7	10/7	147/100	10/7	10/7	14/9		1/1	50/49	15/14	25/21	10/7	3/2	75/49	2/1
10/7	10/7	10/7	147/100	10/7	14/9		1/1	50/49	15/14	25/21	10/7	500/343	75/49	2/1

Purvi Modulations

10/7	10/7	147/100	10/7	14/9	10/7	42/25	1/1	50/49	15/14	25/21	10/7	3/2	5/3	2/1
10/7	10/7	10/7	147/100	10/7	14/9		1/1	50/49	15/14	7/5	10/7	3/2	5/3	2/1
14/9	10/7	10/7	10/7	147/100	10/7	↓	1/1	50/49	15/14	7/5	10/7	3/2	9/5	2/1
10/7	14/9	10/7	10/7	10/7	147/100	(closing	1/1	50/49	63/50	7/5	10/7	3/2	9/5	2/1
147/100	10/7	14/9	10/7	10/7	10/7	Fifth)	1/1	50/49	63/50	7/5	10/7	12/7	9/5	2/1
10/7	147/100	10/7	14/9	10/7	10/7		1/1	6/5	63/50	7/5	10/7	12/7	9/5	2/1
10/7	10/7	147/100	10/7	14/9	10/7		1/1	6/5	63/50	7/5	42/25	12/7	9/5	2/1

Murchana Matrix

1/1	21/20	7/6	7/5	10/7	3/2	5/3
40/21	1/1	10/9	4/3	200/147	10/7	100/63
12/7	9/5	1/1	6/5	60/49	9/7	10/7
10/7	3/2	5/3	1/1	50/49	15/14	25/21
7/5	147/100	49/30	49/25	1/1	21/20	7/6
4/3	7/5	14/9	28/15	40/21	1/1	10/9
6/5	63/50	7/5	42/25	12/7	9/5	1/1

Hidden Murchana Matrix I

1/1	6/5	4/3	7/5	28/15	40/21
5/3	1/1	10/9	7/6	14/9	100/63
3/2	9/5	1/1	21/20	7/5	10/7
10/7	12/7	40/21	1/1	4/3	200/147
15/14	9/7	10/7	3/2	1/1	50/49
21/20	63/50	7/5	147/100	49/25	1/1

Hidden Murchana Matrix II

1/1	50/49	25/21	10/7	100/63	5/3
49/25	1/1	7/6	7/5	14/9	49/30
42/25	12/7	1/1	6/5	4/3	7/5
7/5	10/7	5/3	1/1	10/9	7/6
63/50	9/7	3/2	9/5	1/1	21/20
6/5	60/49	10/7	12/7	40/21	1/1

Genus:

1/1	15/14	9/7	7/5
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Marwa Permutations

3/2	10/7	42/25	10/7	10/7	10/7
3/2	10/7	10/7	42/25	10/7	10/7
3/2	10/7	10/7	10/7	42/25	10/7
3/2	10/7	10/7	10/7	10/7	42/25
10/7	3/2	10/7	42/25	10/7	10/7
10/7	3/2	10/7	10/7	42/25	10/7
10/7	10/7	3/2	10/7	42/25	10/7
10/7	10/7	3/2	10/7	10/7	42/25
10/7	10/7	10/7	3/2	10/7	42/25

343/225
↓
(closing Fifth)

1/1	15/14	9/7	450/343	3/2	9/5	90/49	2/1
1/1	15/14	9/7	450/343	3/2	75/49	90/49	2/1
1/1	15/14	375/343	450/343	3/2	75/49	90/49	2/1
1/1	15/14	375/343	450/343	3/2	75/49	3750/2401	2/1
1/1	15/14	9/7	450/343	10/7	75/49	90/49	2/1
1/1	15/14	375/343	450/343	10/7	75/49	90/49	2/1
1/1	15/14	375/343	450/343	10/7	75/49	3750/2401	2/1
1/1	50/49	375/343	450/343	10/7	75/49	90/49	2/1
1/1	50/49	375/343	450/343	10/7	75/49	3750/2401	2/1
1/1	50/49	375/343	450/343	10/7	500/343	3750/2401	2/1

Purvi Modulations

10/7	10/7	3/2	10/7	42/25	10/7
10/7	10/7	10/7	3/2	10/7	42/25
42/25	10/7	10/7	10/7	3/2	10/7
10/7	42/25	10/7	10/7	10/7	3/2
3/2	10/7	42/25	10/7	10/7	10/7
10/7	3/2	10/7	42/25	10/7	10/7
10/7	10/7	3/2	10/7	42/25	10/7

343/225
↓
(closing Fifth)

1/1	50/49	375/343	450/343	10/7	75/49	90/49	2/1
1/1	50/49	375/343	7/5	10/7	75/49	90/49	2/1
1/1	50/49	375/343	7/5	10/7	75/49	5/3	2/1
1/1	50/49	7/6	7/5	10/7	75/49	5/3	2/1
1/1	50/49	7/6	7/5	10/7	14/9	5/3	2/1
1/1	49/45	7/6	7/5	10/7	14/9	5/3	2/1
1/1	49/45	7/6	7/5	343/225	14/9	5/3	2/1

Murchana Matrix

1/1	15/14	9/7	7/5	10/7	75/49	90/49
28/15	1/1	6/5	98/75	4/3	10/7	12/7
14/9	5/3	1/1	49/45	10/9	25/21	10/7
10/7	75/49	90/49	1/1	50/49	375/343	450/343
7/5	3/2	9/5	49/25	1/1	15/14	9/7
98/75	7/5	42/25	686/375	28/15	1/1	6/5
49/45	7/6	7/5	343/225	14/9	5/3	1/1

Hidden Murchana Matrix I

1/1	49/45	98/75	7/5	686/375	28/15
90/49	1/1	6/5	9/7	42/25	12/7
75/49	5/3	1/1	15/14	7/5	10/7
10/7	14/9	28/15	1/1	98/75	4/3
375/343	25/21	10/7	75/49	1/1	50/49
15/14	7/6	7/5	3/2	49/25	1/1

Hidden Murchana Matrix II

1/1	50/49	450/343	10/7	12/7	90/49
49/25	1/1	9/7	7/5	42/25	9/5
343/225	14/9	1/1	49/45	98/75	7/5
7/5	10/7	90/49	1/1	6/5	9/7
7/6	25/21	75/49	5/3	1/1	15/14
49/45	10/9	10/7	14/9	28/15	1/1

Genus:

1/1	10/9	7/6	7/5
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Marwa Permutations

14/9	10/7	147/100	10/7	10/7	10/7	42/25	1/1	10/9	7/6	25/21	14/9	49/30	5/3	2/1
14/9	10/7	10/7	147/100	10/7	10/7		1/1	10/9	7/6	25/21	14/9	100/63	5/3	2/1
14/9	10/7	10/7	10/7	147/100	10/7	↓	1/1	10/9	500/441	25/21	14/9	100/63	5/3	2/1
14/9	10/7	10/7	10/7	10/7	147/100	(closing	1/1	10/9	500/441	25/21	14/9	100/63	5000/3087	2/1
10/7	14/9	10/7	147/100	10/7	10/7	Fifth)	1/1	10/9	7/6	25/21	10/7	100/63	5/3	2/1
10/7	14/9	10/7	10/7	147/100	10/7		1/1	10/9	500/441	25/21	10/7	100/63	5/3	2/1
10/7	14/9	10/7	10/7	10/7	147/100		1/1	10/9	500/441	25/21	10/7	100/63	5000/3087	2/1
10/7	10/7	14/9	10/7	147/100	10/7		1/1	50/49	500/441	25/21	10/7	100/63	5/3	2/1
10/7	10/7	14/9	10/7	10/7	147/100		1/1	50/49	500/441	25/21	10/7	100/63	5000/3087	2/1
10/7	10/7	10/7	14/9	10/7	147/100		1/1	50/49	500/441	25/21	10/7	500/343	5000/3087	2/1

Purvi Modulations

10/7	10/7	14/9	10/7	147/100	10/7	42/25	1/1	50/49	500/441	25/21	10/7	100/63	5/3	2/1
10/7	10/7	10/7	14/9	10/7	147/100		1/1	50/49	500/441	7/5	10/7	100/63	5/3	2/1
147/100	10/7	10/7	10/7	14/9	10/7	↓	1/1	50/49	500/441	7/5	10/7	100/63	40/21	2/1
10/7	147/100	10/7	10/7	10/7	14/9	(closing	1/1	50/49	4/3	7/5	10/7	100/63	40/21	2/1
14/9	10/7	147/100	10/7	10/7	10/7	Fifth)	1/1	50/49	4/3	7/5	10/7	12/7	40/21	2/1
10/7	14/9	10/7	147/100	10/7	10/7		1/1	6/5	4/3	7/5	10/7	12/7	40/21	2/1
10/7	10/7	14/9	10/7	147/100	10/7		1/1	6/5	4/3	7/5	42/25	12/7	40/21	2/1

Murchana Matrix

1/1	10/9	7/6	7/5	10/7	100/63	5/3
9/5	1/1	21/20	63/50	9/7	10/7	3/2
12/7	40/21	1/1	6/5	60/49	200/147	10/7
10/7	100/63	5/3	1/1	50/49	500/441	25/21
7/5	14/9	49/30	49/25	1/1	10/9	7/6
63/50	7/5	147/100	441/250	9/5	1/1	21/20
6/5	4/3	7/5	42/25	12/7	40/21	1/1

Hidden Murchana Matrix I

1/1	6/5	63/50	7/5	441/250	9/5
5/3	1/1	21/20	7/6	147/100	3/2
100/63	40/21	1/1	10/9	7/5	10/7
10/7	12/7	9/5	1/1	63/50	9/7
500/441	200/147	10/7	100/63	1/1	50/49
10/9	4/3	7/5	14/9	49/25	1/1

Hidden Murchana Matrix II

1/1	50/49	25/21	10/7	3/2	5/3
49/25	1/1	7/6	7/5	147/100	49/30
42/25	12/7	1/1	6/5	63/50	7/5
7/5	10/7	5/3	1/1	21/20	7/6
4/3	200/147	100/63	40/21	1/1	10/9
6/5	60/49	10/7	12/7	9/5	1/1

Genus:

1/1	6/5	4/3	7/5
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Marwa Permutations

42/25	10/7	14/9	10/7	10/7	10/7
42/25	10/7	10/7	14/9	10/7	10/7
42/25	10/7	10/7	10/7	14/9	10/7
42/25	10/7	10/7	10/7	10/7	14/9
10/7	42/25	10/7	14/9	10/7	10/7
10/7	42/25	10/7	10/7	14/9	10/7
10/7	10/7	42/25	10/7	14/9	10/7
10/7	10/7	42/25	10/7	10/7	14/9
10/7	10/7	10/7	42/25	10/7	14/9

147/100
↓
(closing Fifth)

1/1	6/5	4/3	200/147	42/25	28/15	40/21	2/1
1/1	6/5	4/3	200/147	42/25	12/7	40/21	2/1
1/1	6/5	60/49	200/147	42/25	12/7	40/21	2/1
1/1	6/5	60/49	200/147	42/25	12/7	600/343	2/1
1/1	6/5	4/3	200/147	10/7	12/7	40/21	2/1
1/1	6/5	60/49	200/147	10/7	12/7	40/21	2/1
1/1	6/5	60/49	200/147	10/7	12/7	600/343	2/1
1/1	50/49	60/49	200/147	10/7	12/7	40/21	2/1
1/1	50/49	60/49	200/147	10/7	12/7	600/343	2/1
1/1	50/49	60/49	200/147	10/7	500/343	600/343	2/1

Purvi Modulations

10/7	10/7	42/25	10/7	14/9	10/7
10/7	10/7	10/7	42/25	10/7	14/9
14/9	10/7	10/7	10/7	42/25	10/7
10/7	14/9	10/7	10/7	10/7	42/25
42/25	10/7	14/9	10/7	10/7	10/7
10/7	42/25	10/7	14/9	10/7	10/7
10/7	10/7	42/25	10/7	14/9	10/7

147/100
↓
(closing Fifth)

1/1	50/49	60/49	200/147	10/7	12/7	40/21	2/1
1/1	50/49	60/49	7/5	10/7	12/7	40/21	2/1
1/1	50/49	60/49	7/5	10/7	12/7	9/5	2/1
1/1	50/49	63/50	7/5	10/7	12/7	9/5	2/1
1/1	50/49	63/50	7/5	10/7	3/2	9/5	2/1
1/1	21/20	63/50	7/5	10/7	3/2	9/5	2/1
1/1	21/20	63/50	7/5	147/100	3/2	9/5	2/1

Murchana Matrix

1/1	6/5	4/3	7/5	10/7	12/7	40/21
5/3	1/1	10/9	7/6	25/21	10/7	100/63
3/2	9/5	1/1	21/20	15/14	9/7	10/7
10/7	12/7	40/21	1/1	50/49	60/49	200/147
7/5	42/25	28/15	49/25	1/1	6/5	4/3
7/6	7/5	14/9	49/30	5/3	1/1	10/9
21/20	63/50	7/5	147/100	3/2	9/5	1/1

Hidden Murchana Matrix I

1/1	21/20	7/6	7/5	49/30	5/3
40/21	1/1	10/9	4/3	14/9	100/63
12/7	9/5	1/1	6/5	7/5	10/7
10/7	3/2	5/3	1/1	7/6	25/21
60/49	9/7	10/7	12/7	1/1	50/49
6/5	63/50	7/5	42/25	49/25	1/1

Hidden Murchana Matrix II

1/1	50/49	200/147	10/7	100/63	40/21
49/25	1/1	4/3	7/5	14/9	28/15
147/100	3/2	1/1	21/20	7/6	7/5
7/5	10/7	40/21	1/1	10/9	4/3
63/50	9/7	12/7	9/5	1/1	6/5
21/20	15/14	10/7	3/2	5/3	1/1

Genus:

1/1	8/7	9/7	7/5
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Marwa Permutations

8/5	10/7	63/40	10/7	10/7	10/7
8/5	10/7	10/7	63/40	10/7	10/7
8/5	10/7	10/7	10/7	63/40	10/7
8/5	10/7	10/7	10/7	10/7	63/40
10/7	8/5	10/7	63/40	10/7	10/7
10/7	8/5	10/7	10/7	63/40	10/7
10/7	10/7	8/5	10/7	63/40	10/7
10/7	10/7	8/5	10/7	10/7	63/40
10/7	10/7	10/7	8/5	10/7	63/40

343/225
↓
(closing Fifth)

1/1	8/7	9/7	450/343	8/5	9/5	90/49	2/1
1/1	8/7	9/7	450/343	8/5	80/49	90/49	2/1
1/1	8/7	400/343	450/343	8/5	80/49	90/49	2/1
1/1	8/7	400/343	450/343	8/5	80/49	4000/2401	2/1
1/1	8/7	9/7	450/343	10/7	80/49	90/49	2/1
1/1	8/7	400/343	450/343	10/7	80/49	90/49	2/1
1/1	8/7	400/343	450/343	10/7	80/49	4000/2401	2/1
1/1	50/49	400/343	450/343	10/7	80/49	90/49	2/1
1/1	50/49	400/343	450/343	10/7	80/49	4000/2401	2/1
1/1	50/49	400/343	450/343	10/7	500/343	4000/2401	2/1

Purvi Modulations

10/7	10/7	8/5	10/7	63/40	10/7
10/7	10/7	10/7	8/5	10/7	63/40
63/40	10/7	10/7	10/7	8/5	10/7
10/7	63/40	10/7	10/7	10/7	8/5
8/5	10/7	63/40	10/7	10/7	10/7
10/7	8/5	10/7	63/40	10/7	10/7
10/7	10/7	8/5	10/7	63/40	10/7

343/225
↓
(closing Fifth)

1/1	50/49	400/343	450/343	10/7	80/49	90/49	2/1
1/1	50/49	400/343	7/5	10/7	80/49	90/49	2/1
1/1	50/49	400/343	7/5	10/7	80/49	16/9	2/1
1/1	50/49	56/45	7/5	10/7	80/49	16/9	2/1
1/1	50/49	56/45	7/5	10/7	14/9	16/9	2/1
1/1	49/45	56/45	7/5	10/7	14/9	16/9	2/1
1/1	49/45	56/45	7/5	343/225	14/9	16/9	2/1

Murchana Matrix

1/1	8/7	9/7	7/5	10/7	80/49	90/49
7/4	1/1	9/8	49/40	5/4	10/7	45/28
14/9	16/9	1/1	49/45	10/9	80/63	10/7
10/7	80/49	90/49	1/1	50/49	400/343	450/343
7/5	8/5	9/5	49/25	1/1	8/7	9/7
49/40	7/5	63/40	343/200	7/4	1/1	9/8
49/45	56/45	7/5	343/225	14/9	16/9	1/1

Hidden Murchana Matrix I

1/1	49/45	49/40	7/5	343/200	7/4
90/49	1/1	9/8	9/7	63/40	45/28
80/49	16/9	1/1	8/7	7/5	10/7
10/7	14/9	7/4	1/1	49/40	5/4
400/343	80/63	10/7	80/49	1/1	50/49
8/7	56/45	7/5	8/5	49/25	1/1

Hidden Murchana Matrix II

1/1	50/49	450/343	10/7	45/28	90/49
49/25	1/1	9/7	7/5	63/40	9/5
343/225	14/9	1/1	49/45	49/40	7/5
7/5	10/7	90/49	1/1	9/8	9/7
56/45	80/63	80/49	16/9	1/1	8/7
49/45	10/9	10/7	14/9	7/4	1/1

Genus:

1/1	28/25	63/50	7/5
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Marwa Permutations

196/125	10/7	63/40	10/7	10/7	10/7	14/9	1/1	28/25	63/50	9/7	196/125	441/250	9/5	2/1
196/125	10/7	10/7	63/40	10/7	10/7		1/1	28/25	63/50	9/7	196/125	8/5	9/5	2/1
196/125	10/7	10/7	10/7	63/40	10/7	↓	1/1	28/25	8/7	9/7	196/125	8/5	9/5	2/1
196/125	10/7	10/7	10/7	10/7	63/40	(closing	1/1	28/25	8/7	9/7	196/125	8/5	80/49	2/1
10/7	196/125	10/7	63/40	10/7	10/7	Fifth)	1/1	28/25	63/50	9/7	10/7	8/5	9/5	2/1
10/7	196/125	10/7	10/7	63/40	10/7		1/1	28/25	8/7	9/7	10/7	8/5	9/5	2/1
10/7	196/125	10/7	10/7	10/7	63/40		1/1	28/25	8/7	9/7	10/7	8/5	80/49	2/1
10/7	10/7	196/125	10/7	63/40	10/7		1/1	50/49	8/7	9/7	10/7	8/5	9/5	2/1
10/7	10/7	196/125	10/7	10/7	63/40		1/1	50/49	8/7	9/7	10/7	8/5	80/49	2/1
10/7	10/7	10/7	196/125	10/7	63/40		1/1	50/49	8/7	9/7	10/7	500/343	80/49	2/1

Purvi Modulations

10/7	10/7	196/125	10/7	63/40	10/7	14/9	1/1	50/49	8/7	9/7	10/7	8/5	9/5	2/1
10/7	10/7	10/7	196/125	10/7	63/40		1/1	50/49	8/7	7/5	10/7	8/5	9/5	2/1
63/40	10/7	10/7	10/7	196/125	10/7	↓	1/1	50/49	8/7	7/5	10/7	8/5	16/9	2/1
10/7	63/40	10/7	10/7	10/7	196/125	(closing	1/1	50/49	56/45	7/5	10/7	8/5	16/9	2/1
196/125	10/7	63/40	10/7	10/7	10/7	Fifth)	1/1	50/49	56/45	7/5	10/7	100/63	16/9	2/1
10/7	196/125	10/7	63/40	10/7	10/7		1/1	10/9	56/45	7/5	10/7	100/63	16/9	2/1
10/7	10/7	196/125	10/7	63/40	10/7		1/1	10/9	56/45	7/5	14/9	100/63	16/9	2/1

Murchana Matrix

1/1	28/25	63/50	7/5	10/7	8/5	9/5
25/14	1/1	9/8	5/4	125/98	10/7	45/28
100/63	16/9	1/1	10/9	500/441	80/63	10/7
10/7	8/5	9/5	1/1	50/49	8/7	9/7
7/5	196/125	441/250	49/25	1/1	28/25	63/50
5/4	7/5	63/40	7/4	25/14	1/1	9/8
10/9	56/45	7/5	14/9	100/63	16/9	1/1

Hidden Murchana Matrix I

1/1	10/9	5/4	7/5	7/4	25/14
9/5	1/1	9/8	63/50	63/40	45/28
8/5	16/9	1/1	28/25	7/5	10/7
10/7	100/63	25/14	1/1	5/4	125/98
8/7	80/63	10/7	8/5	1/1	50/49
28/25	56/45	7/5	196/125	49/25	1/1

Hidden Murchana Matrix II

1/1	50/49	9/7	10/7	45/28	9/5
49/25	1/1	63/50	7/5	63/40	441/250
14/9	100/63	1/1	10/9	5/4	7/5
7/5	10/7	9/5	1/1	9/8	63/50
56/45	80/63	8/5	16/9	1/1	28/25
10/9	500/441	10/7	100/63	25/14	1/1

Genus:

1/1	11/10	8/7	7/5
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Marwa Permutations

77/50	10/7	16/11	10/7	10/7	10/7	343/200	1/1	11/10	8/7	400/343	77/50	8/5	80/49	2/1
77/50	10/7	10/7	16/11	10/7	10/7	↓ (closing Fifth)	1/1	11/10	8/7	400/343	77/50	11/7	80/49	2/1
77/50	10/7	10/7	10/7	16/11	10/7		1/1	11/10	55/49	400/343	77/50	11/7	80/49	2/1
77/50	10/7	10/7	10/7	10/7	16/11		1/1	11/10	55/49	400/343	77/50	11/7	550/343	2/1
10/7	77/50	10/7	16/11	10/7	10/7		1/1	11/10	8/7	400/343	10/7	11/7	80/49	2/1
10/7	77/50	10/7	10/7	16/11	10/7		1/1	11/10	55/49	400/343	10/7	11/7	80/49	2/1
10/7	77/50	10/7	10/7	10/7	16/11		1/1	11/10	55/49	400/343	10/7	11/7	550/343	2/1
10/7	10/7	77/50	10/7	16/11	10/7		1/1	50/49	55/49	400/343	10/7	11/7	80/49	2/1
10/7	10/7	77/50	10/7	10/7	16/11		1/1	50/49	55/49	400/343	10/7	11/7	550/343	2/1
10/7	10/7	10/7	77/50	10/7	16/11		1/1	50/49	55/49	400/343	10/7	500/343	550/343	2/1

Purvi Modulations

10/7	10/7	77/50	10/7	16/11	10/7	343/200	1/1	50/49	55/49	400/343	10/7	11/7	80/49	2/1
10/7	10/7	10/7	77/50	10/7	16/11	↓ (closing Fifth)	1/1	50/49	55/49	7/5	10/7	11/7	80/49	2/1
16/11	10/7	10/7	10/7	77/50	10/7		1/1	50/49	55/49	7/5	10/7	11/7	77/40	2/1
10/7	16/11	10/7	10/7	10/7	77/50		1/1	50/49	539/400	7/5	10/7	11/7	77/40	2/1
77/50	10/7	16/11	10/7	10/7	10/7		1/1	50/49	539/400	7/5	10/7	7/4	77/40	2/1
10/7	77/50	10/7	16/11	10/7	10/7		1/1	49/40	539/400	7/5	10/7	7/4	77/40	2/1
10/7	10/7	77/50	10/7	16/11	10/7		1/1	49/40	539/400	7/5	343/200	7/4	77/40	2/1

Murchana Matrix

1/1	11/10	8/7	7/5	10/7	11/7	80/49
20/11	1/1	80/77	14/11	100/77	10/7	800/539
7/4	77/40	1/1	49/40	5/4	11/8	10/7
10/7	11/7	80/49	1/1	50/49	55/49	400/343
7/5	77/50	8/5	49/25	1/1	11/10	8/7
14/11	7/5	16/11	98/55	20/11	1/1	80/77
49/40	539/400	7/5	343/200	7/4	77/40	1/1

Hidden Murchana Matrix I

1/1	49/40	14/11	7/5	98/55	20/11
80/49	1/1	80/77	8/7	16/11	800/539
11/7	77/40	1/1	11/10	7/5	10/7
10/7	7/4	20/11	1/1	14/11	100/77
55/49	11/8	10/7	11/7	1/1	50/49
11/10	539/400	7/5	77/50	49/25	1/1

Hidden Murchana Matrix II

1/1	50/49	400/343	10/7	800/539	80/49
49/25	1/1	8/7	7/5	16/11	8/5
343/200	7/4	1/1	49/40	14/11	7/5
7/5	10/7	80/49	1/1	80/77	8/7
539/400	11/8	11/7	77/40	1/1	11/10
49/40	5/4	10/7	7/4	20/11	1/1

Genus:

1/1	5/4	11/8	7/5
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Marwa Permutations

7/4	10/7	77/50	10/7	10/7	10/7	392/275	1/1	5/4	11/8	275/196	7/4	77/40	55/28	2/1
7/4	10/7	10/7	77/50	10/7	10/7		1/1	5/4	11/8	275/196	7/4	25/14	55/28	2/1
7/4	10/7	10/7	10/7	77/50	10/7	↓	1/1	5/4	125/98	275/196	7/4	25/14	55/28	2/1
7/4	10/7	10/7	10/7	10/7	77/50	(closing	1/1	5/4	125/98	275/196	7/4	25/14	625/343	2/1
10/7	7/4	10/7	77/50	10/7	10/7	Fifth)	1/1	5/4	11/8	275/196	10/7	25/14	55/28	2/1
10/7	7/4	10/7	10/7	77/50	10/7		1/1	5/4	125/98	275/196	10/7	25/14	55/28	2/1
10/7	7/4	10/7	10/7	10/7	77/50		1/1	5/4	125/98	275/196	10/7	25/14	625/343	2/1
10/7	10/7	7/4	10/7	77/50	10/7		1/1	50/49	125/98	275/196	10/7	25/14	55/28	2/1
10/7	10/7	7/4	10/7	10/7	77/50		1/1	50/49	125/98	275/196	10/7	25/14	625/343	2/1
10/7	10/7	10/7	7/4	10/7	77/50		1/1	50/49	125/98	275/196	10/7	500/343	625/343	2/1

Purvi Modulations

10/7	10/7	7/4	10/7	77/50	10/7	392/275	1/1	50/49	125/98	275/196	10/7	25/14	55/28	2/1
10/7	10/7	10/7	7/4	10/7	77/50		1/1	50/49	125/98	7/5	10/7	25/14	55/28	2/1
77/50	10/7	10/7	10/7	7/4	10/7	↓	1/1	50/49	125/98	7/5	10/7	25/14	20/11	2/1
10/7	77/50	10/7	10/7	10/7	7/4	(closing	1/1	50/49	14/11	7/5	10/7	25/14	20/11	2/1
7/4	10/7	77/50	10/7	10/7	10/7	Fifth)	1/1	50/49	14/11	7/5	10/7	16/11	20/11	2/1
10/7	7/4	10/7	77/50	10/7	10/7		1/1	56/55	14/11	7/5	10/7	16/11	20/11	2/1
10/7	10/7	7/4	10/7	77/50	10/7		1/1	56/55	14/11	7/5	392/275	16/11	20/11	2/1

Murchana Matrix

1/1	5/4	11/8	7/5	10/7	25/14	55/28
8/5	1/1	11/10	28/25	8/7	10/7	11/7
16/11	20/11	1/1	56/55	80/77	100/77	10/7
10/7	25/14	55/28	1/1	50/49	125/98	275/196
7/5	7/4	77/40	49/25	1/1	5/4	11/8
28/25	7/5	77/50	196/125	8/5	1/1	11/10
56/55	14/11	7/5	392/275	16/11	20/11	1/1

Hidden Murchana Matrix I

1/1	56/55	28/25	7/5	196/125	8/5
55/28	1/1	11/10	11/8	77/50	11/7
25/14	20/11	1/1	5/4	7/5	10/7
10/7	16/11	8/5	1/1	28/25	8/7
125/98	100/77	10/7	25/14	1/1	50/49
5/4	14/11	7/5	7/4	49/25	1/1

Hidden Murchana Matrix II

1/1	50/49	275/196	10/7	11/7	55/28
49/25	1/1	11/8	7/5	77/50	77/40
392/275	16/11	1/1	56/55	28/25	7/5
7/5	10/7	55/28	1/1	11/10	11/8
14/11	100/77	25/14	20/11	1/1	5/4
56/55	80/77	10/7	16/11	8/5	1/1

Part II: 3/1-Equivalent Genera

Genus:

1/1	7/6	3/2	5/3
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Marwa Permutations

35/18	9/5	15/7	9/5	9/5	9/5	50/27	1/1	7/6	3/2	81/50	35/18	5/2	27/10	3/1
35/18	9/5	9/5	15/7	9/5	9/5		1/1	7/6	3/2	81/50	35/18	21/10	27/10	3/1
35/18	9/5	9/5	9/5	15/7	9/5	↓	1/1	7/6	63/50	81/50	35/18	21/10	27/10	3/1
35/18	9/5	9/5	9/5	9/5	15/7	(closing	1/1	7/6	63/50	81/50	35/18	21/10	567/250	3/1
9/5	35/18	9/5	15/7	9/5	9/5	Fifth)	1/1	7/6	3/2	81/50	9/5	21/10	27/10	3/1
9/5	35/18	9/5	9/5	15/7	9/5		1/1	7/6	63/50	81/50	9/5	21/10	27/10	3/1
9/5	35/18	9/5	9/5	9/5	15/7		1/1	7/6	63/50	81/50	9/5	21/10	567/250	3/1
9/5	9/5	35/18	9/5	15/7	9/5		1/1	27/25	63/50	81/50	9/5	21/10	27/10	3/1
9/5	9/5	35/18	9/5	9/5	15/7		1/1	27/25	63/50	81/50	9/5	21/10	567/250	3/1
9/5	9/5	9/5	35/18	9/5	15/7		1/1	27/25	63/50	81/50	9/5	243/125	567/250	3/1

Purvi Modulations

9/5	9/5	35/18	9/5	15/7	9/5	50/27	1/1	27/25	63/50	81/50	9/5	21/10	27/10	3/1
9/5	9/5	9/5	35/18	9/5	15/7		1/1	27/25	63/50	5/3	9/5	21/10	27/10	3/1
15/7	9/5	9/5	9/5	35/18	9/5	↓	1/1	27/25	63/50	5/3	9/5	21/10	7/3	3/1
9/5	15/7	9/5	9/5	9/5	35/18	(closing	1/1	27/25	35/27	5/3	9/5	21/10	7/3	3/1
35/18	9/5	15/7	9/5	9/5	9/5	Fifth)	1/1	27/25	35/27	5/3	9/5	2/1	7/3	3/1
9/5	35/18	9/5	15/7	9/5	9/5		1/1	10/9	35/27	5/3	9/5	2/1	7/3	3/1
9/5	9/5	35/18	9/5	15/7	9/5		1/1	10/9	35/27	5/3	50/27	2/1	7/3	3/1

Murchana Matrix

1/1	7/6	3/2	5/3	9/5	21/10	27/10
18/7	1/1	9/7	10/7	54/35	9/5	81/35
2/1	7/3	1/1	10/9	6/5	7/5	9/5
9/5	21/10	27/10	1/1	27/25	63/50	81/50
5/3	35/18	5/2	25/9	1/1	7/6	3/2
10/7	5/3	15/7	50/21	18/7	1/1	9/7
10/9	35/27	5/3	50/27	2/1	7/3	1/1

Hidden Murchana Matrix I

1/1	10/9	10/7	5/3	50/21	18/7
27/10	1/1	9/7	3/2	15/7	81/35
21/10	7/3	1/1	7/6	5/3	9/5
9/5	2/1	18/7	1/1	10/7	54/35
63/50	7/5	9/5	21/10	1/1	27/25
7/6	35/27	5/3	35/18	25/9	1/1

Hidden Murchana Matrix II

1/1	27/25	81/50	9/5	81/35	27/10
25/9	1/1	3/2	5/3	15/7	5/2
50/27	2/1	1/1	10/9	10/7	5/3
5/3	9/5	27/10	1/1	9/7	3/2
35/27	7/5	21/10	7/3	1/1	7/6
10/9	6/5	9/5	2/1	18/7	1/1

Genus:

1/1	7/6	6/5	5/3
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Marwa Permutations

35/18	9/5	12/7	9/5	9/5	9/5	125/54	1/1	7/6	6/5	162/125	35/18	2/1	54/25	3/1
35/18	9/5	9/5	12/7	9/5	9/5	↓ (closing Fifth)	1/1	7/6	6/5	162/125	35/18	21/10	54/25	3/1
35/18	9/5	9/5	9/5	12/7	9/5		1/1	7/6	63/50	162/125	35/18	21/10	54/25	3/1
35/18	9/5	9/5	9/5	9/5	12/7		1/1	7/6	63/50	162/125	35/18	21/10	567/250	3/1
9/5	35/18	9/5	12/7	9/5	9/5		1/1	7/6	6/5	162/125	9/5	21/10	54/25	3/1
9/5	35/18	9/5	9/5	12/7	9/5		1/1	7/6	63/50	162/125	9/5	21/10	54/25	3/1
9/5	35/18	9/5	9/5	9/5	12/7		1/1	7/6	63/50	162/125	9/5	21/10	567/250	3/1
9/5	9/5	35/18	9/5	12/7	9/5		1/1	27/25	63/50	162/125	9/5	21/10	54/25	3/1
9/5	9/5	35/18	9/5	9/5	12/7		1/1	27/25	63/50	162/125	9/5	21/10	567/250	3/1
9/5	9/5	9/5	35/18	9/5	12/7		1/1	27/25	63/50	162/125	9/5	243/125	567/250	3/1

Purvi Modulations

9/5	9/5	35/18	9/5	12/7	9/5	125/54	1/1	27/25	63/50	162/125	9/5	21/10	54/25	3/1
9/5	9/5	9/5	35/18	9/5	12/7	↓ (closing Fifth)	1/1	27/25	63/50	5/3	9/5	21/10	54/25	3/1
12/7	9/5	9/5	9/5	35/18	9/5		1/1	27/25	63/50	5/3	9/5	21/10	35/12	3/1
9/5	12/7	9/5	9/5	9/5	35/18		1/1	27/25	175/108	5/3	9/5	21/10	35/12	3/1
35/18	9/5	12/7	9/5	9/5	9/5		1/1	27/25	175/108	5/3	9/5	5/2	35/12	3/1
9/5	35/18	9/5	12/7	9/5	9/5		1/1	25/18	175/108	5/3	9/5	5/2	35/12	3/1
9/5	9/5	35/18	9/5	12/7	9/5		1/1	25/18	175/108	5/3	125/54	5/2	35/12	3/1

Murchana Matrix

1/1	7/6	6/5	5/3	9/5	21/10	54/25
18/7	1/1	36/35	10/7	54/35	9/5	324/175
5/2	35/12	1/1	25/18	3/2	7/4	9/5
9/5	21/10	54/25	1/1	27/25	63/50	162/125
5/3	35/18	2/1	25/9	1/1	7/6	6/5
10/7	5/3	12/7	50/21	18/7	1/1	36/35
25/18	175/108	5/3	125/54	5/2	35/12	1/1

Hidden Murchana Matrix I

1/1	25/18	10/7	5/3	50/21	18/7
54/25	1/1	36/35	6/5	12/7	324/175
21/10	35/12	1/1	7/6	5/3	9/5
9/5	5/2	18/7	1/1	10/7	54/35
63/50	7/4	9/5	21/10	1/1	27/25
7/6	175/108	5/3	35/18	25/9	1/1

Hidden Murchana Matrix II

1/1	27/25	162/125	9/5	324/175	54/25
25/9	1/1	6/5	5/3	12/7	2/1
125/54	5/2	1/1	25/18	10/7	5/3
5/3	9/5	54/25	1/1	36/35	6/5
175/108	7/4	21/10	35/12	1/1	7/6
25/18	3/2	9/5	5/2	18/7	1/1

Genus:

1/1	7/6	4/3	5/3
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Marwa Permutations

35/18	9/5	40/21	9/5	9/5	9/5	25/12	1/1	7/6	4/3	36/25	35/18	20/9	12/5	3/1
35/18	9/5	9/5	40/21	9/5	9/5		1/1	7/6	4/3	36/25	35/18	21/10	12/5	3/1
35/18	9/5	9/5	9/5	40/21	9/5	↓	1/1	7/6	63/50	36/25	35/18	21/10	12/5	3/1
35/18	9/5	9/5	9/5	9/5	40/21	(closing	1/1	7/6	63/50	36/25	35/18	21/10	567/250	3/1
9/5	35/18	9/5	40/21	9/5	9/5	Fifth)	1/1	7/6	4/3	36/25	9/5	21/10	12/5	3/1
9/5	35/18	9/5	9/5	40/21	9/5		1/1	7/6	63/50	36/25	9/5	21/10	12/5	3/1
9/5	35/18	9/5	9/5	9/5	40/21		1/1	7/6	63/50	36/25	9/5	21/10	567/250	3/1
9/5	9/5	35/18	9/5	40/21	9/5		1/1	27/25	63/50	36/25	9/5	21/10	12/5	3/1
9/5	9/5	35/18	9/5	9/5	40/21		1/1	27/25	63/50	36/25	9/5	21/10	567/250	3/1
9/5	9/5	9/5	35/18	9/5	40/21		1/1	27/25	63/50	36/25	9/5	243/125	567/250	3/1

Purvi Modulations

9/5	9/5	35/18	9/5	40/21	9/5	25/12	1/1	27/25	63/50	36/25	9/5	21/10	12/5	3/1
9/5	9/5	9/5	35/18	9/5	40/21		1/1	27/25	63/50	5/3	9/5	21/10	12/5	3/1
40/21	9/5	9/5	9/5	35/18	9/5	↓	1/1	27/25	63/50	5/3	9/5	21/10	21/8	3/1
9/5	40/21	9/5	9/5	9/5	35/18	(closing	1/1	27/25	35/24	5/3	9/5	21/10	21/8	3/1
35/18	9/5	40/21	9/5	9/5	9/5	Fifth)	1/1	27/25	35/24	5/3	9/5	9/4	21/8	3/1
9/5	35/18	9/5	40/21	9/5	9/5		1/1	5/4	35/24	5/3	9/5	9/4	21/8	3/1
9/5	9/5	35/18	9/5	40/21	9/5		1/1	5/4	35/24	5/3	25/12	9/4	21/8	3/1

Murchana Matrix

1/1	7/6	4/3	5/3	9/5	21/10	12/5
18/7	1/1	8/7	10/7	54/35	9/5	72/35
9/4	21/8	1/1	5/4	27/20	63/40	9/5
9/5	21/10	12/5	1/1	27/25	63/50	36/25
5/3	35/18	20/9	25/9	1/1	7/6	4/3
10/7	5/3	40/21	50/21	18/7	1/1	8/7
5/4	35/24	5/3	25/12	9/4	21/8	1/1

Hidden Murchana Matrix I

1/1	5/4	10/7	5/3	50/21	18/7
12/5	1/1	8/7	4/3	40/21	72/35
21/10	21/8	1/1	7/6	5/3	9/5
9/5	9/4	18/7	1/1	10/7	54/35
63/50	63/40	9/5	21/10	1/1	27/25
7/6	35/24	5/3	35/18	25/9	1/1

Hidden Murchana Matrix II

1/1	27/25	36/25	9/5	72/35	12/5
25/9	1/1	4/3	5/3	40/21	20/9
25/12	9/4	1/1	5/4	10/7	5/3
5/3	9/5	12/5	1/1	8/7	4/3
35/24	63/40	21/10	21/8	1/1	7/6
5/4	27/20	9/5	9/4	18/7	1/1

Genus:

1/1	10/9	10/7	5/3
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Marwa Permutations

50/27	9/5	15/7	9/5	9/5	9/5	35/18	1/1	10/9	10/7	54/35	50/27	50/21	18/7	3/1
50/27	9/5	9/5	15/7	9/5	9/5		1/1	10/9	10/7	54/35	50/27	2/1	18/7	3/1
50/27	9/5	9/5	9/5	15/7	9/5	↓	1/1	10/9	6/5	54/35	50/27	2/1	18/7	3/1
50/27	9/5	9/5	9/5	9/5	15/7	(closing	1/1	10/9	6/5	54/35	50/27	2/1	54/25	3/1
9/5	50/27	9/5	15/7	9/5	9/5	Fifth)	1/1	10/9	10/7	54/35	9/5	2/1	18/7	3/1
9/5	50/27	9/5	9/5	15/7	9/5		1/1	10/9	6/5	54/35	9/5	2/1	18/7	3/1
9/5	50/27	9/5	9/5	9/5	15/7		1/1	10/9	6/5	54/35	9/5	2/1	54/25	3/1
9/5	9/5	50/27	9/5	15/7	9/5		1/1	27/25	6/5	54/35	9/5	2/1	18/7	3/1
9/5	9/5	50/27	9/5	9/5	15/7		1/1	27/25	6/5	54/35	9/5	2/1	54/25	3/1
9/5	9/5	9/5	50/27	9/5	15/7		1/1	27/25	6/5	54/35	9/5	243/125	54/25	3/1

Purvi Modulations

9/5	9/5	50/27	9/5	15/7	9/5	35/18	1/1	27/25	6/5	54/35	9/5	2/1	18/7	3/1
9/5	9/5	9/5	50/27	9/5	15/7		1/1	27/25	6/5	5/3	9/5	2/1	18/7	3/1
15/7	9/5	9/5	9/5	50/27	9/5	↓	1/1	27/25	6/5	5/3	9/5	2/1	7/3	3/1
9/5	15/7	9/5	9/5	9/5	50/27	(closing	1/1	27/25	35/27	5/3	9/5	2/1	7/3	3/1
50/27	9/5	15/7	9/5	9/5	9/5	Fifth)	1/1	27/25	35/27	5/3	9/5	21/10	7/3	3/1
9/5	50/27	9/5	15/7	9/5	9/5		1/1	7/6	35/27	5/3	9/5	21/10	7/3	3/1
9/5	9/5	50/27	9/5	15/7	9/5		1/1	7/6	35/27	5/3	35/18	21/10	7/3	3/1

Murchana Matrix

1/1	10/9	10/7	5/3	9/5	2/1	18/7
27/10	1/1	9/7	3/2	81/50	9/5	81/35
21/10	7/3	1/1	7/6	63/50	7/5	9/5
9/5	2/1	18/7	1/1	27/25	6/5	54/35
5/3	50/27	50/21	25/9	1/1	10/9	10/7
3/2	5/3	15/7	5/2	27/10	1/1	9/7
7/6	35/27	5/3	35/18	21/10	7/3	1/1

Hidden Murchana Matrix I

1/1	7/6	3/2	5/3	5/2	27/10
18/7	1/1	9/7	10/7	15/7	81/35
2/1	7/3	1/1	10/9	5/3	9/5
9/5	21/10	27/10	1/1	3/2	81/50
6/5	7/5	9/5	2/1	1/1	27/25
10/9	35/27	5/3	50/27	25/9	1/1

Hidden Murchana Matrix II

1/1	27/25	54/35	9/5	81/35	18/7
25/9	1/1	10/7	5/3	15/7	50/21
35/18	21/10	1/1	7/6	3/2	5/3
5/3	9/5	18/7	1/1	9/7	10/7
35/27	7/5	2/1	7/3	1/1	10/9
7/6	63/50	9/5	21/10	27/10	1/1

Genus:

1/1	25/18	10/7	5/3
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Marwa Permutations

125/54	9/5	12/7	9/5	9/5	9/5	35/18	1/1	25/18	10/7	54/35	125/54	50/21	18/7	3/1
125/54	9/5	9/5	12/7	9/5	9/5		1/1	25/18	10/7	54/35	125/54	5/2	18/7	3/1
125/54	9/5	9/5	9/5	12/7	9/5	↓	1/1	25/18	3/2	54/35	125/54	5/2	18/7	3/1
125/54	9/5	9/5	9/5	9/5	12/7	(closing	1/1	25/18	3/2	54/35	125/54	5/2	27/10	3/1
9/5	125/54	9/5	12/7	9/5	9/5	Fifth)	1/1	25/18	10/7	54/35	9/5	5/2	18/7	3/1
9/5	125/54	9/5	9/5	12/7	9/5		1/1	25/18	3/2	54/35	9/5	5/2	18/7	3/1
9/5	125/54	9/5	9/5	9/5	12/7		1/1	25/18	3/2	54/35	9/5	5/2	27/10	3/1
9/5	9/5	125/54	9/5	12/7	9/5		1/1	27/25	3/2	54/35	9/5	5/2	18/7	3/1
9/5	9/5	125/54	9/5	9/5	12/7		1/1	27/25	3/2	54/35	9/5	5/2	27/10	3/1
9/5	9/5	9/5	125/54	9/5	12/7		1/1	27/25	3/2	54/35	9/5	243/125	27/10	3/1

Purvi Modulations

9/5	9/5	125/54	9/5	12/7	9/5	35/18	1/1	27/25	3/2	54/35	9/5	5/2	18/7	3/1
9/5	9/5	9/5	125/54	9/5	12/7		1/1	27/25	3/2	5/3	9/5	5/2	18/7	3/1
12/7	9/5	9/5	9/5	125/54	9/5	↓	1/1	27/25	3/2	5/3	9/5	5/2	35/12	3/1
9/5	12/7	9/5	9/5	9/5	125/54	(closing	1/1	27/25	175/108	5/3	9/5	5/2	35/12	3/1
125/54	9/5	12/7	9/5	9/5	9/5	Fifth)	1/1	27/25	175/108	5/3	9/5	21/10	35/12	3/1
9/5	125/54	9/5	12/7	9/5	9/5		1/1	7/6	175/108	5/3	9/5	21/10	35/12	3/1
9/5	9/5	125/54	9/5	12/7	9/5		1/1	7/6	175/108	5/3	35/18	21/10	35/12	3/1

Murchana Matrix

1/1	25/18	10/7	5/3	9/5	5/2	18/7
54/25	1/1	36/35	6/5	162/125	9/5	324/175
21/10	35/12	1/1	7/6	63/50	7/4	9/5
9/5	5/2	18/7	1/1	27/25	3/2	54/35
5/3	125/54	50/21	25/9	1/1	25/18	10/7
6/5	5/3	12/7	2/1	54/25	1/1	36/35
7/6	175/108	5/3	35/18	21/10	35/12	1/1

Hidden Murchana Matrix I

1/1	7/6	6/5	5/3	2/1	54/25
18/7	1/1	36/35	10/7	12/7	324/175
5/2	35/12	1/1	25/18	5/3	9/5
9/5	21/10	54/25	1/1	6/5	162/125
3/2	7/4	9/5	5/2	1/1	27/25
25/18	175/108	5/3	125/54	25/9	1/1

Hidden Murchana Matrix II

1/1	27/25	54/35	9/5	324/175	18/7
25/9	1/1	10/7	5/3	12/7	50/21
35/18	21/10	1/1	7/6	6/5	5/3
5/3	9/5	18/7	1/1	36/35	10/7
175/108	7/4	5/2	35/12	1/1	25/18
7/6	63/50	9/5	21/10	54/25	1/1

Genus:

1/1	5/4	10/7	5/3
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Marwa Permutations

25/12	9/5	40/21	9/5	9/5	9/5	35/18	1/1	5/4	10/7	54/35	25/12	50/21	18/7	3/1
25/12	9/5	9/5	40/21	9/5	9/5		1/1	5/4	10/7	54/35	25/12	9/4	18/7	3/1
25/12	9/5	9/5	9/5	40/21	9/5	↓	1/1	5/4	27/20	54/35	25/12	9/4	18/7	3/1
25/12	9/5	9/5	9/5	9/5	40/21	(closing	1/1	5/4	27/20	54/35	25/12	9/4	243/100	3/1
9/5	25/12	9/5	40/21	9/5	9/5	Fifth)	1/1	5/4	10/7	54/35	9/5	9/4	18/7	3/1
9/5	25/12	9/5	9/5	40/21	9/5		1/1	5/4	27/20	54/35	9/5	9/4	18/7	3/1
9/5	25/12	9/5	9/5	9/5	40/21		1/1	5/4	27/20	54/35	9/5	9/4	243/100	3/1
9/5	9/5	25/12	9/5	40/21	9/5		1/1	27/25	27/20	54/35	9/5	9/4	18/7	3/1
9/5	9/5	25/12	9/5	9/5	40/21		1/1	27/25	27/20	54/35	9/5	9/4	243/100	3/1
9/5	9/5	9/5	25/12	9/5	40/21		1/1	27/25	27/20	54/35	9/5	243/125	243/100	3/1

Purvi Modulations

9/5	9/5	25/12	9/5	40/21	9/5	35/18	1/1	27/25	27/20	54/35	9/5	9/4	18/7	3/1
9/5	9/5	9/5	25/12	9/5	40/21		1/1	27/25	27/20	5/3	9/5	9/4	18/7	3/1
40/21	9/5	9/5	9/5	25/12	9/5	↓	1/1	27/25	27/20	5/3	9/5	9/4	21/8	3/1
9/5	40/21	9/5	9/5	9/5	25/12	(closing	1/1	27/25	35/24	5/3	9/5	9/4	21/8	3/1
25/12	9/5	40/21	9/5	9/5	9/5	Fifth)	1/1	27/25	35/24	5/3	9/5	21/10	21/8	3/1
9/5	25/12	9/5	40/21	9/5	9/5		1/1	7/6	35/24	5/3	9/5	21/10	21/8	3/1
9/5	9/5	25/12	9/5	40/21	9/5		1/1	7/6	35/24	5/3	35/18	21/10	21/8	3/1

Murchana Matrix

1/1	5/4	10/7	5/3	9/5	9/4	18/7
12/5	1/1	8/7	4/3	36/25	9/5	72/35
21/10	21/8	1/1	7/6	63/50	63/40	9/5
9/5	9/4	18/7	1/1	27/25	27/20	54/35
5/3	25/12	50/21	25/9	1/1	5/4	10/7
4/3	5/3	40/21	20/9	12/5	1/1	8/7
7/6	35/24	5/3	35/18	21/10	21/8	1/1

Hidden Murchana Matrix I

1/1	7/6	4/3	5/3	20/9	12/5
18/7	1/1	8/7	10/7	40/21	72/35
9/4	21/8	1/1	5/4	5/3	9/5
9/5	21/10	12/5	1/1	4/3	36/25
27/20	63/40	9/5	9/4	1/1	27/25
5/4	35/24	5/3	25/12	25/9	1/1

Hidden Murchana Matrix II

1/1	27/25	54/35	9/5	72/35	18/7
25/9	1/1	10/7	5/3	40/21	50/21
35/18	21/10	1/1	7/6	4/3	5/3
5/3	9/5	18/7	1/1	8/7	10/7
35/24	63/40	9/4	21/8	1/1	5/4
7/6	63/50	9/5	21/10	12/5	1/1

Genus:

1/1	10/7	3/2	12/7
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Marwa Permutations

120/49	7/4	9/5	7/4	7/4	7/4	96/49	1/1	10/7	3/2	49/32	120/49	18/7	21/8	3/1
120/49	7/4	7/4	9/5	7/4	7/4		1/1	10/7	3/2	49/32	120/49	5/2	21/8	3/1
120/49	7/4	7/4	7/4	9/5	7/4	↓	1/1	10/7	35/24	49/32	120/49	5/2	21/8	3/1
120/49	7/4	7/4	7/4	7/4	9/5	(closing	1/1	10/7	35/24	49/32	120/49	5/2	245/96	3/1
7/4	120/49	7/4	9/5	7/4	7/4	Fifth)	1/1	10/7	3/2	49/32	7/4	5/2	21/8	3/1
7/4	120/49	7/4	7/4	9/5	7/4		1/1	10/7	35/24	49/32	7/4	5/2	21/8	3/1
7/4	120/49	7/4	7/4	7/4	9/5		1/1	10/7	35/24	49/32	7/4	5/2	245/96	3/1
7/4	7/4	120/49	7/4	9/5	7/4		1/1	49/48	35/24	49/32	7/4	5/2	21/8	3/1
7/4	7/4	120/49	7/4	7/4	9/5		1/1	49/48	35/24	49/32	7/4	5/2	245/96	3/1
7/4	7/4	7/4	120/49	7/4	9/5		1/1	49/48	35/24	49/32	7/4	343/192	245/96	3/1

Purvi Modulations

7/4	7/4	120/49	7/4	9/5	7/4	96/49	1/1	49/48	35/24	49/32	7/4	5/2	21/8	3/1
7/4	7/4	7/4	120/49	7/4	9/5		1/1	49/48	35/24	12/7	7/4	5/2	21/8	3/1
9/5	7/4	7/4	7/4	120/49	7/4	↓	1/1	49/48	35/24	12/7	7/4	5/2	20/7	3/1
7/4	9/5	7/4	7/4	7/4	120/49	(closing	1/1	49/48	80/49	12/7	7/4	5/2	20/7	3/1
120/49	7/4	9/5	7/4	7/4	7/4	Fifth)	1/1	49/48	80/49	12/7	7/4	2/1	20/7	3/1
7/4	120/49	7/4	9/5	7/4	7/4		1/1	8/7	80/49	12/7	7/4	2/1	20/7	3/1
7/4	7/4	120/49	7/4	9/5	7/4		1/1	8/7	80/49	12/7	96/49	2/1	20/7	3/1

Murchana Matrix

1/1	10/7	3/2	12/7	7/4	5/2	21/8
21/10	1/1	21/20	6/5	49/40	7/4	147/80
2/1	20/7	1/1	8/7	7/6	5/3	7/4
7/4	5/2	21/8	1/1	49/48	35/24	49/32
12/7	120/49	18/7	144/49	1/1	10/7	3/2
6/5	12/7	9/5	72/35	21/10	1/1	21/20
8/7	80/49	12/7	96/49	2/1	20/7	1/1

Hidden Murchana Matrix I

1/1	8/7	6/5	12/7	72/35	21/10
21/8	1/1	21/20	3/2	9/5	147/80
5/2	20/7	1/1	10/7	12/7	7/4
7/4	2/1	21/10	1/1	6/5	49/40
35/24	5/3	7/4	5/2	1/1	49/48
10/7	80/49	12/7	120/49	144/49	1/1

Hidden Murchana Matrix II

1/1	49/48	49/32	7/4	147/80	21/8
144/49	1/1	3/2	12/7	9/5	18/7
96/49	2/1	1/1	8/7	6/5	12/7
12/7	7/4	21/8	1/1	21/20	3/2
80/49	5/3	5/2	20/7	1/1	10/7
8/7	7/6	7/4	2/1	21/10	1/1

Genus:

1/1	8/7	6/5	12/7
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Marwa Permutations

96/49	7/4	9/5	7/4	7/4	7/4	120/49 ↓ (closing Fifth)
96/49	7/4	7/4	9/5	7/4	7/4	
96/49	7/4	7/4	7/4	9/5	7/4	
96/49	7/4	7/4	7/4	7/4	9/5	
7/4	96/49	7/4	9/5	7/4	7/4	
7/4	96/49	7/4	7/4	9/5	7/4	
7/4	7/4	96/49	7/4	9/5	7/4	
7/4	7/4	96/49	7/4	7/4	9/5	
7/4	7/4	7/4	96/49	7/4	9/5	

1/1	8/7	6/5	49/40	96/49	72/35	21/10	3/1
1/1	8/7	6/5	49/40	96/49	2/1	21/10	3/1
1/1	8/7	7/6	49/40	96/49	2/1	21/10	3/1
1/1	8/7	7/6	49/40	96/49	2/1	49/24	3/1
1/1	8/7	6/5	49/40	7/4	2/1	21/10	3/1
1/1	8/7	7/6	49/40	7/4	2/1	21/10	3/1
1/1	8/7	7/6	49/40	7/4	2/1	49/24	3/1
1/1	49/48	7/6	49/40	7/4	2/1	21/10	3/1
1/1	49/48	7/6	49/40	7/4	2/1	49/24	3/1
1/1	49/48	7/6	49/40	7/4	343/192	49/24	3/1

Purvi Modulations

7/4	7/4	96/49	7/4	9/5	7/4	120/49 ↓ (closing Fifth)
7/4	7/4	7/4	96/49	7/4	9/5	
9/5	7/4	7/4	7/4	96/49	7/4	
7/4	9/5	7/4	7/4	7/4	96/49	
96/49	7/4	9/5	7/4	7/4	7/4	
7/4	96/49	7/4	9/5	7/4	7/4	
7/4	7/4	96/49	7/4	9/5	7/4	
7/4	7/4	96/49	7/4	9/5	7/4	

1/1	49/48	7/6	49/40	7/4	2/1	21/10	3/1
1/1	49/48	7/6	12/7	7/4	2/1	21/10	3/1
1/1	49/48	7/6	12/7	7/4	2/1	20/7	3/1
1/1	49/48	80/49	12/7	7/4	2/1	20/7	3/1
1/1	49/48	80/49	12/7	7/4	5/2	20/7	3/1
1/1	10/7	80/49	12/7	7/4	5/2	20/7	3/1
1/1	10/7	80/49	12/7	120/49	5/2	20/7	3/1

Murchana Matrix

1/1	8/7	6/5	12/7	7/4	2/1	21/10
21/8	1/1	21/20	3/2	49/32	7/4	147/80
5/2	20/7	1/1	10/7	35/24	5/3	7/4
7/4	2/1	21/10	1/1	49/48	7/6	49/40
12/7	96/49	72/35	144/49	1/1	8/7	6/5
3/2	12/7	9/5	18/7	21/8	1/1	21/20
10/7	80/49	12/7	120/49	5/2	20/7	1/1

Hidden Murchana Matrix I

1/1	10/7	3/2	12/7	18/7	21/8
21/10	1/1	21/20	6/5	9/5	147/80
2/1	20/7	1/1	8/7	12/7	7/4
7/4	5/2	21/8	1/1	3/2	49/32
7/6	5/3	7/4	2/1	1/1	49/48
8/7	80/49	12/7	96/49	144/49	1/1

Hidden Murchana Matrix II

1/1	49/48	49/40	7/4	147/80	21/10
144/49	1/1	6/5	12/7	9/5	72/35
120/49	5/2	1/1	10/7	3/2	12/7
12/7	7/4	21/10	1/1	21/20	6/5
80/49	5/3	2/1	20/7	1/1	8/7
10/7	35/24	7/4	5/2	21/8	1/1

Genus:

1/1	5/4	3/2	12/7
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Marwa Permutations

15/7	7/4	72/35	7/4	7/4	7/4
15/7	7/4	7/4	72/35	7/4	7/4
15/7	7/4	7/4	7/4	72/35	7/4
15/7	7/4	7/4	7/4	7/4	72/35
7/4	15/7	7/4	72/35	7/4	7/4
7/4	15/7	7/4	7/4	72/35	7/4
7/4	7/4	15/7	7/4	72/35	7/4
7/4	7/4	15/7	7/4	7/4	72/35
7/4	7/4	7/4	15/7	7/4	72/35

96/49
↓
(closing
Fifth)

1/1	5/4	3/2	49/32	15/7	18/7	21/8	3/1
1/1	5/4	3/2	49/32	15/7	35/16	21/8	3/1
1/1	5/4	245/192	49/32	15/7	35/16	21/8	3/1
1/1	5/4	245/192	49/32	15/7	35/16	1715/768	3/1
1/1	5/4	3/2	49/32	7/4	35/16	21/8	3/1
1/1	5/4	245/192	49/32	7/4	35/16	21/8	3/1
1/1	5/4	245/192	49/32	7/4	35/16	1715/768	3/1
1/1	49/48	245/192	49/32	7/4	35/16	21/8	3/1
1/1	49/48	245/192	49/32	7/4	35/16	1715/768	3/1
1/1	49/48	245/192	49/32	7/4	343/192	1715/768	3/1

Purvi Modulations

7/4	7/4	15/7	7/4	72/35	7/4
7/4	7/4	7/4	15/7	7/4	72/35
72/35	7/4	7/4	7/4	15/7	7/4
7/4	72/35	7/4	7/4	7/4	15/7
15/7	7/4	72/35	7/4	7/4	7/4
7/4	15/7	7/4	72/35	7/4	7/4
7/4	7/4	15/7	7/4	72/35	7/4

96/49
↓
(closing
Fifth)

1/1	49/48	245/192	49/32	7/4	35/16	21/8	3/1
1/1	49/48	245/192	12/7	7/4	35/16	21/8	3/1
1/1	49/48	245/192	12/7	7/4	35/16	5/2	3/1
1/1	49/48	10/7	12/7	7/4	35/16	5/2	3/1
1/1	49/48	10/7	12/7	7/4	2/1	5/2	3/1
1/1	8/7	10/7	12/7	7/4	2/1	5/2	3/1
1/1	8/7	10/7	12/7	96/49	2/1	5/2	3/1

Murchana Matrix

1/1	5/4	3/2	12/7	7/4	35/16	21/8
12/5	1/1	6/5	48/35	7/5	7/4	21/10
2/1	5/2	1/1	8/7	7/6	35/24	7/4
7/4	35/16	21/8	1/1	49/48	245/192	49/32
12/7	15/7	18/7	144/49	1/1	5/4	3/2
48/35	12/7	72/35	576/245	12/5	1/1	6/5
8/7	10/7	12/7	96/49	2/1	5/2	1/1

Hidden Murchana Matrix I

1/1	8/7	48/35	12/7	576/245	12/5
21/8	1/1	6/5	3/2	72/35	21/10
35/16	5/2	1/1	5/4	12/7	7/4
7/4	2/1	12/5	1/1	48/35	7/5
245/192	35/24	7/4	35/16	1/1	49/48
5/4	10/7	12/7	15/7	144/49	1/1

Hidden Murchana Matrix II

1/1	49/48	49/32	7/4	21/10	21/8
144/49	1/1	3/2	12/7	72/35	18/7
96/49	2/1	1/1	8/7	48/35	12/7
12/7	7/4	21/8	1/1	6/5	3/2
10/7	35/24	35/16	5/2	1/1	5/4
8/7	7/6	7/4	2/1	12/5	1/1

Genus:

1/1	7/6	7/5	12/7
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Marwa Permutations

2/1	7/4	72/35	7/4	7/4	7/4	720/343 ↓ (closing Fifth)	1/1	7/6	7/5	343/240	2/1	12/5	49/20	3/1
2/1	7/4	7/4	72/35	7/4	7/4		1/1	7/6	7/5	343/240	2/1	49/24	49/20	3/1
2/1	7/4	7/4	7/4	72/35	7/4		1/1	7/6	343/288	343/240	2/1	49/24	49/20	3/1
2/1	7/4	7/4	7/4	7/4	72/35		1/1	7/6	343/288	343/240	2/1	49/24	2401/1152	3/1
7/4	2/1	7/4	72/35	7/4	7/4		1/1	7/6	7/5	343/240	7/4	49/24	49/20	3/1
7/4	2/1	7/4	7/4	72/35	7/4		1/1	7/6	343/288	343/240	7/4	49/24	49/20	3/1
7/4	2/1	7/4	7/4	7/4	72/35		1/1	7/6	343/288	343/240	7/4	49/24	2401/1152	3/1
7/4	7/4	2/1	7/4	72/35	7/4		1/1	49/48	343/288	343/240	7/4	49/24	49/20	3/1
7/4	7/4	2/1	7/4	7/4	72/35		1/1	49/48	343/288	343/240	7/4	49/24	2401/1152	3/1
7/4	7/4	7/4	2/1	7/4	72/35		1/1	49/48	343/288	343/240	7/4	343/192	2401/1152	3/1

Purvi Modulations

7/4	7/4	2/1	7/4	72/35	7/4	720/343 ↓ (closing Fifth)	1/1	49/48	343/288	343/240	7/4	49/24	49/20	3/1
7/4	7/4	7/4	2/1	7/4	72/35		1/1	49/48	343/288	12/7	7/4	49/24	49/20	3/1
72/35	7/4	7/4	7/4	2/1	7/4		1/1	49/48	343/288	12/7	7/4	49/24	5/2	3/1
7/4	72/35	7/4	7/4	7/4	2/1		1/1	49/48	10/7	12/7	7/4	49/24	5/2	3/1
2/1	7/4	72/35	7/4	7/4	7/4		1/1	49/48	10/7	12/7	7/4	15/7	5/2	3/1
7/4	2/1	7/4	72/35	7/4	7/4		1/1	60/49	10/7	12/7	7/4	15/7	5/2	3/1
7/4	7/4	2/1	7/4	72/35	7/4		1/1	60/49	10/7	12/7	720/343	15/7	5/2	3/1

Murchana Matrix

1/1	7/6	7/5	12/7	7/4	49/24	49/20
18/7	1/1	6/5	72/49	3/2	7/4	21/10
15/7	5/2	1/1	60/49	5/4	35/24	7/4
7/4	49/24	49/20	1/1	49/48	343/288	343/240
12/7	2/1	12/5	144/49	1/1	7/6	7/5
72/49	12/7	72/35	864/343	18/7	1/1	6/5
60/49	10/7	12/7	720/343	15/7	5/2	1/1

Hidden Murchana Matrix I

1/1	60/49	72/49	12/7	864/343	18/7
49/20	1/1	6/5	7/5	72/35	21/10
49/24	5/2	1/1	7/6	12/7	7/4
7/4	15/7	18/7	1/1	72/49	3/2
343/288	35/24	7/4	49/24	1/1	49/48
7/6	10/7	12/7	2/1	144/49	1/1

Hidden Murchana Matrix II

1/1	49/48	343/240	7/4	21/10	49/20
144/49	1/1	7/5	12/7	72/35	12/5
720/343	15/7	1/1	60/49	72/49	12/7
12/7	7/4	49/20	1/1	6/5	7/5
10/7	35/24	49/24	5/2	1/1	7/6
60/49	5/4	7/4	15/7	18/7	1/1

Genus:

1/1	5/4	11/8	12/7
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Marwa Permutations

15/7	7/4	66/35	7/4	7/4	7/4	1152/539 ↓ (closing Fifth)	1/1	5/4	11/8	539/384	15/7	33/14	77/32	3/1
15/7	7/4	7/4	66/35	7/4	7/4		1/1	5/4	11/8	539/384	15/7	35/16	77/32	3/1
15/7	7/4	7/4	7/4	66/35	7/4		1/1	5/4	245/192	539/384	15/7	35/16	77/32	3/1
15/7	7/4	7/4	7/4	7/4	66/35		1/1	5/4	245/192	539/384	15/7	35/16	1715/768	3/1
7/4	15/7	7/4	66/35	7/4	7/4		1/1	5/4	11/8	539/384	7/4	35/16	77/32	3/1
7/4	15/7	7/4	7/4	66/35	7/4		1/1	5/4	245/192	539/384	7/4	35/16	77/32	3/1
7/4	15/7	7/4	7/4	7/4	66/35		1/1	5/4	245/192	539/384	7/4	35/16	1715/768	3/1
7/4	7/4	15/7	7/4	66/35	7/4		1/1	49/48	245/192	539/384	7/4	35/16	77/32	3/1
7/4	7/4	15/7	7/4	7/4	66/35		1/1	49/48	245/192	539/384	7/4	35/16	1715/768	3/1
7/4	7/4	7/4	15/7	7/4	66/35		1/1	49/48	245/192	539/384	7/4	343/192	1715/768	3/1

Purvi Modulations

7/4	7/4	15/7	7/4	66/35	7/4	1152/539 ↓ (closing Fifth)	1/1	49/48	245/192	539/384	7/4	35/16	77/32	3/1
7/4	7/4	7/4	15/7	7/4	66/35		1/1	49/48	245/192	12/7	7/4	35/16	77/32	3/1
66/35	7/4	7/4	7/4	15/7	7/4		1/1	49/48	245/192	12/7	7/4	35/16	30/11	3/1
7/4	66/35	7/4	7/4	7/4	15/7		1/1	49/48	120/77	12/7	7/4	35/16	30/11	3/1
15/7	7/4	66/35	7/4	7/4	7/4		1/1	49/48	120/77	12/7	7/4	24/11	30/11	3/1
7/4	15/7	7/4	66/35	7/4	7/4		1/1	96/77	120/77	12/7	7/4	24/11	30/11	3/1
7/4	7/4	15/7	7/4	66/35	7/4		1/1	96/77	120/77	12/7	1152/539	24/11	30/11	3/1

Murchana Matrix

1/1	5/4	11/8	12/7	7/4	35/16	77/32
12/5	1/1	11/10	48/35	7/5	7/4	77/40
24/11	30/11	1/1	96/77	14/11	35/22	7/4
7/4	35/16	77/32	1/1	49/48	245/192	539/384
12/7	15/7	33/14	144/49	1/1	5/4	11/8
48/35	12/7	66/35	576/245	12/5	1/1	11/10
96/77	120/77	12/7	1152/539	24/11	30/11	1/1

Hidden Murchana Matrix I

1/1	96/77	48/35	12/7	576/245	12/5
77/32	1/1	11/10	11/8	66/35	77/40
35/16	30/11	1/1	5/4	12/7	7/4
7/4	24/11	12/5	1/1	48/35	7/5
245/192	35/22	7/4	35/16	1/1	49/48
5/4	120/77	12/7	15/7	144/49	1/1

Hidden Murchana Matrix II

1/1	49/48	539/384	7/4	77/40	77/32
144/49	1/1	11/8	12/7	66/35	33/14
1152/539	24/11	1/1	96/77	48/35	12/7
12/7	7/4	77/32	1/1	11/10	11/8
120/77	35/22	35/16	30/11	1/1	5/4
96/77	14/11	7/4	24/11	12/5	1/1

Part III: 5/2-Equivalent Genera

Genus:

1/1	6/5	7/5	3/2
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Marwa Permutations

9/5	5/3	7/4	5/3	5/3	5/3	45/28	1/1	6/5	7/5	14/9	9/5	21/10	7/3	5/2
9/5	5/3	5/3	7/4	5/3	5/3		1/1	6/5	7/5	14/9	9/5	2/1	7/3	5/2
9/5	5/3	5/3	5/3	7/4	5/3	↓	1/1	6/5	4/3	14/9	9/5	2/1	7/3	5/2
9/5	5/3	5/3	5/3	5/3	7/4	(closing	1/1	6/5	4/3	14/9	9/5	2/1	20/9	5/2
5/3	9/5	5/3	7/4	5/3	5/3	Fifth)	1/1	6/5	7/5	14/9	5/3	2/1	7/3	5/2
5/3	9/5	5/3	5/3	7/4	5/3		1/1	6/5	4/3	14/9	5/3	2/1	7/3	5/2
5/3	9/5	5/3	5/3	5/3	7/4		1/1	6/5	4/3	14/9	5/3	2/1	20/9	5/2
5/3	5/3	9/5	5/3	7/4	5/3		1/1	10/9	4/3	14/9	5/3	2/1	7/3	5/2
5/3	5/3	9/5	5/3	5/3	7/4		1/1	10/9	4/3	14/9	5/3	2/1	20/9	5/2
5/3	5/3	5/3	9/5	5/3	7/4		1/1	10/9	4/3	14/9	5/3	50/27	20/9	5/2

Purvi Modulations

5/3	5/3	9/5	5/3	7/4	5/3	45/28	1/1	10/9	4/3	14/9	5/3	2/1	7/3	5/2
5/3	5/3	5/3	9/5	5/3	7/4		1/1	10/9	4/3	3/2	5/3	2/1	7/3	5/2
7/4	5/3	5/3	5/3	9/5	5/3	↓	1/1	10/9	4/3	3/2	5/3	2/1	15/7	5/2
5/3	7/4	5/3	5/3	5/3	9/5	(closing	1/1	10/9	9/7	3/2	5/3	2/1	15/7	5/2
9/5	5/3	7/4	5/3	5/3	5/3	Fifth)	1/1	10/9	9/7	3/2	5/3	25/14	15/7	5/2
5/3	9/5	5/3	7/4	5/3	5/3		1/1	15/14	9/7	3/2	5/3	25/14	15/7	5/2
5/3	5/3	9/5	5/3	7/4	5/3		1/1	15/14	9/7	3/2	45/28	25/14	15/7	5/2

Murchana Matrix

1/1	6/5	7/5	3/2	5/3	2/1	7/3
25/12	1/1	7/6	5/4	25/18	5/3	35/18
25/14	15/7	1/1	15/14	25/21	10/7	5/3
5/3	2/1	7/3	1/1	10/9	4/3	14/9
3/2	9/5	21/10	9/4	1/1	6/5	7/5
5/4	3/2	7/4	15/8	25/12	1/1	7/6
15/14	9/7	3/2	45/28	25/14	15/7	1/1

Hidden Murchana Matrix I

1/1	15/14	5/4	3/2	15/8	25/12
7/3	1/1	7/6	7/5	7/4	35/18
2/1	15/7	1/1	6/5	3/2	5/3
5/3	25/14	25/12	1/1	5/4	25/18
4/3	10/7	5/3	2/1	1/1	10/9
6/5	9/7	3/2	9/5	9/4	1/1

Hidden Murchana Matrix II

1/1	10/9	14/9	5/3	35/18	7/3
9/4	1/1	7/5	3/2	7/4	21/10
45/28	25/14	1/1	15/14	5/4	3/2
3/2	5/3	7/3	1/1	7/6	7/5
9/7	10/7	2/1	15/7	1/1	6/5
15/14	25/21	5/3	25/14	25/12	1/1

Genus:

1/1	6/5	9/7	3/2
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Marwa Permutations

9/5	5/3	45/28	5/3	5/3	5/3	7/4	1/1	6/5	9/7	10/7	9/5	27/14	15/7	5/2
9/5	5/3	5/3	45/28	5/3	5/3		1/1	6/5	9/7	10/7	9/5	2/1	15/7	5/2
9/5	5/3	5/3	5/3	45/28	5/3	↓	1/1	6/5	4/3	10/7	9/5	2/1	15/7	5/2
9/5	5/3	5/3	5/3	5/3	45/28	(closing	1/1	6/5	4/3	10/7	9/5	2/1	20/9	5/2
5/3	9/5	5/3	45/28	5/3	5/3	Fifth)	1/1	6/5	9/7	10/7	5/3	2/1	15/7	5/2
5/3	9/5	5/3	5/3	45/28	5/3		1/1	6/5	4/3	10/7	5/3	2/1	15/7	5/2
5/3	9/5	5/3	5/3	5/3	45/28		1/1	6/5	4/3	10/7	5/3	2/1	20/9	5/2
5/3	5/3	9/5	5/3	45/28	5/3		1/1	10/9	4/3	10/7	5/3	2/1	15/7	5/2
5/3	5/3	9/5	5/3	5/3	45/28		1/1	10/9	4/3	10/7	5/3	2/1	20/9	5/2
5/3	5/3	5/3	9/5	5/3	45/28		1/1	10/9	4/3	10/7	5/3	50/27	20/9	5/2

Purvi Modulations

5/3	5/3	9/5	5/3	45/28	5/3	7/4	1/1	10/9	4/3	10/7	5/3	2/1	15/7	5/2
5/3	5/3	5/3	9/5	5/3	45/28		1/1	10/9	4/3	3/2	5/3	2/1	15/7	5/2
45/28	5/3	5/3	5/3	9/5	5/3	↓	1/1	10/9	4/3	3/2	5/3	2/1	7/3	5/2
5/3	45/28	5/3	5/3	5/3	9/5	(closing	1/1	10/9	7/5	3/2	5/3	2/1	7/3	5/2
9/5	5/3	45/28	5/3	5/3	5/3	Fifth)	1/1	10/9	7/5	3/2	5/3	35/18	7/3	5/2
5/3	9/5	5/3	45/28	5/3	5/3		1/1	7/6	7/5	3/2	5/3	35/18	7/3	5/2
5/3	5/3	9/5	5/3	45/28	5/3		1/1	7/6	7/5	3/2	7/4	35/18	7/3	5/2

Murchana Matrix

1/1	6/5	9/7	3/2	5/3	2/1	15/7
25/12	1/1	15/14	5/4	25/18	5/3	25/14
35/18	7/3	1/1	7/6	35/27	14/9	5/3
5/3	2/1	15/7	1/1	10/9	4/3	10/7
3/2	9/5	27/14	9/4	1/1	6/5	9/7
5/4	3/2	45/28	15/8	25/12	1/1	15/14
7/6	7/5	3/2	7/4	35/18	7/3	1/1

Hidden Murchana Matrix I

1/1	7/6	5/4	3/2	15/8	25/12
15/7	1/1	15/14	9/7	45/28	25/14
2/1	7/3	1/1	6/5	3/2	5/3
5/3	35/18	25/12	1/1	5/4	25/18
4/3	14/9	5/3	2/1	1/1	10/9
6/5	7/5	3/2	9/5	9/4	1/1

Hidden Murchana Matrix II

1/1	10/9	10/7	5/3	25/14	15/7
9/4	1/1	9/7	3/2	45/28	27/14
7/4	35/18	1/1	7/6	5/4	3/2
3/2	5/3	15/7	1/1	15/14	9/7
7/5	14/9	2/1	7/3	1/1	6/5
7/6	35/27	5/3	35/18	25/12	1/1

Genus:

1/1	15/14	5/4	3/2
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Marwa Permutations

45/28	5/3	7/4	5/3	5/3	5/3	9/5	1/1	15/14	5/4	25/18	45/28	15/8	25/12	5/2
45/28	5/3	5/3	7/4	5/3	5/3		1/1	15/14	5/4	25/18	45/28	25/14	25/12	5/2
45/28	5/3	5/3	5/3	7/4	5/3	↓	1/1	15/14	25/21	25/18	45/28	25/14	25/12	5/2
45/28	5/3	5/3	5/3	5/3	7/4	(closing	1/1	15/14	25/21	25/18	45/28	25/14	125/63	5/2
5/3	45/28	5/3	7/4	5/3	5/3	Fifth)	1/1	15/14	5/4	25/18	5/3	25/14	25/12	5/2
5/3	45/28	5/3	5/3	7/4	5/3		1/1	15/14	25/21	25/18	5/3	25/14	25/12	5/2
5/3	45/28	5/3	5/3	5/3	7/4		1/1	15/14	25/21	25/18	5/3	25/14	125/63	5/2
5/3	5/3	45/28	5/3	7/4	5/3		1/1	10/9	25/21	25/18	5/3	25/14	25/12	5/2
5/3	5/3	45/28	5/3	5/3	7/4		1/1	10/9	25/21	25/18	5/3	25/14	125/63	5/2
5/3	5/3	5/3	45/28	5/3	7/4		1/1	10/9	25/21	25/18	5/3	50/27	125/63	5/2

Purvi Modulations

5/3	5/3	45/28	5/3	7/4	5/3	9/5	1/1	10/9	25/21	25/18	5/3	25/14	25/12	5/2
5/3	5/3	5/3	45/28	5/3	7/4		1/1	10/9	25/21	3/2	5/3	25/14	25/12	5/2
7/4	5/3	5/3	5/3	45/28	5/3	↓	1/1	10/9	25/21	3/2	5/3	25/14	15/7	5/2
5/3	7/4	5/3	5/3	5/3	45/28	(closing	1/1	10/9	9/7	3/2	5/3	25/14	15/7	5/2
45/28	5/3	7/4	5/3	5/3	5/3	Fifth)	1/1	10/9	9/7	3/2	5/3	2/1	15/7	5/2
5/3	45/28	5/3	7/4	5/3	5/3		1/1	6/5	9/7	3/2	5/3	2/1	15/7	5/2
5/3	5/3	45/28	5/3	7/4	5/3		1/1	6/5	9/7	3/2	9/5	2/1	15/7	5/2

Murchana Matrix

1/1	15/14	5/4	3/2	5/3	25/14	25/12
7/3	1/1	7/6	7/5	14/9	5/3	35/18
2/1	15/7	1/1	6/5	4/3	10/7	5/3
5/3	25/14	25/12	1/1	10/9	25/21	25/18
3/2	45/28	15/8	9/4	1/1	15/14	5/4
7/5	3/2	7/4	21/10	7/3	1/1	7/6
6/5	9/7	3/2	9/5	2/1	15/7	1/1

Hidden Murchana Matrix I

1/1	6/5	7/5	3/2	21/10	7/3
25/12	1/1	7/6	5/4	7/4	35/18
25/14	15/7	1/1	15/14	3/2	5/3
5/3	2/1	7/3	1/1	7/5	14/9
25/21	10/7	5/3	25/14	1/1	10/9
15/14	9/7	3/2	45/28	9/4	1/1

Hidden Murchana Matrix II

1/1	10/9	25/18	5/3	35/18	25/12
9/4	1/1	5/4	3/2	7/4	15/8
9/5	2/1	1/1	6/5	7/5	3/2
3/2	5/3	25/12	1/1	7/6	5/4
9/7	10/7	25/14	15/7	1/1	15/14
6/5	4/3	5/3	2/1	7/3	1/1

Genus:

1/1	7/6	5/4	3/2
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Marwa Permutations

7/4	5/3	45/28	5/3	5/3	5/3	9/5	1/1	7/6	5/4	25/18	7/4	15/8	25/12	5/2
7/4	5/3	5/3	45/28	5/3	5/3		1/1	7/6	5/4	25/18	7/4	35/18	25/12	5/2
7/4	5/3	5/3	5/3	45/28	5/3	↓	1/1	7/6	35/27	25/18	7/4	35/18	25/12	5/2
7/4	5/3	5/3	5/3	5/3	45/28	(closing	1/1	7/6	35/27	25/18	7/4	35/18	175/81	5/2
5/3	7/4	5/3	45/28	5/3	5/3	Fifth)	1/1	7/6	5/4	25/18	5/3	35/18	25/12	5/2
5/3	7/4	5/3	5/3	45/28	5/3		1/1	7/6	35/27	25/18	5/3	35/18	25/12	5/2
5/3	7/4	5/3	5/3	5/3	45/28		1/1	7/6	35/27	25/18	5/3	35/18	175/81	5/2
5/3	5/3	7/4	5/3	45/28	5/3		1/1	10/9	35/27	25/18	5/3	35/18	25/12	5/2
5/3	5/3	7/4	5/3	5/3	45/28		1/1	10/9	35/27	25/18	5/3	35/18	175/81	5/2
5/3	5/3	5/3	7/4	5/3	45/28		1/1	10/9	35/27	25/18	5/3	50/27	175/81	5/2

Purvi Modulations

5/3	5/3	7/4	5/3	45/28	5/3	9/5	1/1	10/9	35/27	25/18	5/3	35/18	25/12	5/2
5/3	5/3	5/3	7/4	5/3	45/28		1/1	10/9	35/27	3/2	5/3	35/18	25/12	5/2
45/28	5/3	5/3	5/3	7/4	5/3	↓	1/1	10/9	35/27	3/2	5/3	35/18	7/3	5/2
5/3	45/28	5/3	5/3	5/3	7/4	(closing	1/1	10/9	7/5	3/2	5/3	35/18	7/3	5/2
7/4	5/3	45/28	5/3	5/3	5/3	Fifth)	1/1	10/9	7/5	3/2	5/3	2/1	7/3	5/2
5/3	7/4	5/3	45/28	5/3	5/3		1/1	6/5	7/5	3/2	5/3	2/1	7/3	5/2
5/3	5/3	7/4	5/3	45/28	5/3		1/1	6/5	7/5	3/2	9/5	2/1	7/3	5/2

Murchana Matrix

1/1	7/6	5/4	3/2	5/3	35/18	25/12
15/7	1/1	15/14	9/7	10/7	5/3	25/14
2/1	7/3	1/1	6/5	4/3	14/9	5/3
5/3	35/18	25/12	1/1	10/9	35/27	25/18
3/2	7/4	15/8	9/4	1/1	7/6	5/4
9/7	3/2	45/28	27/14	15/7	1/1	15/14
6/5	7/5	3/2	9/5	2/1	7/3	1/1

Hidden Murchana Matrix I

1/1	6/5	9/7	3/2	27/14	15/7
25/12	1/1	15/14	5/4	45/28	25/14
35/18	7/3	1/1	7/6	3/2	5/3
5/3	2/1	15/7	1/1	9/7	10/7
35/27	14/9	5/3	35/18	1/1	10/9
7/6	7/5	3/2	7/4	9/4	1/1

Hidden Murchana Matrix II

1/1	10/9	25/18	5/3	25/14	25/12
9/4	1/1	5/4	3/2	45/28	15/8
9/5	2/1	1/1	6/5	9/7	3/2
3/2	5/3	25/12	1/1	15/14	5/4
7/5	14/9	35/18	7/3	1/1	7/6
6/5	4/3	5/3	2/1	15/7	1/1

Genus:

1/1	15/14	9/7	3/2
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Marwa Permutations

45/28	5/3	9/5	5/3	5/3	5/3	7/4	1/1	15/14	9/7	10/7	45/28	27/14	15/7	5/2
45/28	5/3	5/3	9/5	5/3	5/3		1/1	15/14	9/7	10/7	45/28	25/14	15/7	5/2
45/28	5/3	5/3	5/3	9/5	5/3	↓	1/1	15/14	25/21	10/7	45/28	25/14	15/7	5/2
45/28	5/3	5/3	5/3	5/3	9/5	(closing	1/1	15/14	25/21	10/7	45/28	25/14	125/63	5/2
5/3	45/28	5/3	9/5	5/3	5/3	Fifth)	1/1	15/14	9/7	10/7	5/3	25/14	15/7	5/2
5/3	45/28	5/3	5/3	9/5	5/3		1/1	15/14	25/21	10/7	5/3	25/14	15/7	5/2
5/3	45/28	5/3	5/3	5/3	9/5		1/1	15/14	25/21	10/7	5/3	25/14	125/63	5/2
5/3	5/3	45/28	5/3	9/5	5/3		1/1	10/9	25/21	10/7	5/3	25/14	15/7	5/2
5/3	5/3	45/28	5/3	5/3	9/5		1/1	10/9	25/21	10/7	5/3	25/14	125/63	5/2
5/3	5/3	5/3	45/28	5/3	9/5		1/1	10/9	25/21	10/7	5/3	50/27	125/63	5/2

Purvi Modulations

5/3	5/3	45/28	5/3	9/5	5/3	7/4	1/1	10/9	25/21	10/7	5/3	25/14	15/7	5/2
5/3	5/3	5/3	45/28	5/3	9/5		1/1	10/9	25/21	3/2	5/3	25/14	15/7	5/2
9/5	5/3	5/3	5/3	45/28	5/3	↓	1/1	10/9	25/21	3/2	5/3	25/14	25/12	5/2
5/3	9/5	5/3	5/3	5/3	45/28	(closing	1/1	10/9	5/4	3/2	5/3	25/14	25/12	5/2
45/28	5/3	9/5	5/3	5/3	5/3	Fifth)	1/1	10/9	5/4	3/2	5/3	35/18	25/12	5/2
5/3	45/28	5/3	9/5	5/3	5/3		1/1	7/6	5/4	3/2	5/3	35/18	25/12	5/2
5/3	5/3	45/28	5/3	9/5	5/3		1/1	7/6	5/4	3/2	7/4	35/18	25/12	5/2

Murchana Matrix

1/1	15/14	9/7	3/2	5/3	25/14	15/7
7/3	1/1	6/5	7/5	14/9	5/3	2/1
35/18	25/12	1/1	7/6	35/27	25/18	5/3
5/3	25/14	15/7	1/1	10/9	25/21	10/7
3/2	45/28	27/14	9/4	1/1	15/14	9/7
7/5	3/2	9/5	21/10	7/3	1/1	6/5
7/6	5/4	3/2	7/4	35/18	25/12	1/1

Hidden Murchana Matrix I

1/1	7/6	7/5	3/2	21/10	7/3
15/7	1/1	6/5	9/7	9/5	2/1
25/14	25/12	1/1	15/14	3/2	5/3
5/3	35/18	7/3	1/1	7/5	14/9
25/21	25/18	5/3	25/14	1/1	10/9
15/14	5/4	3/2	45/28	9/4	1/1

Hidden Murchana Matrix II

1/1	10/9	10/7	5/3	2/1	15/7
9/4	1/1	9/7	3/2	9/5	27/14
7/4	35/18	1/1	7/6	7/5	3/2
3/2	5/3	15/7	1/1	6/5	9/7
5/4	25/18	25/14	25/12	1/1	15/14
7/6	35/27	5/3	35/18	7/3	1/1

Genus:

1/1	7/6	7/5	3/2
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Marwa Permutations

7/4	5/3	9/5	5/3	5/3	5/3	45/28	1/1	7/6	7/5	14/9	7/4	21/10	7/3	5/2
7/4	5/3	5/3	9/5	5/3	5/3		1/1	7/6	7/5	14/9	7/4	35/18	7/3	5/2
7/4	5/3	5/3	5/3	9/5	5/3	↓	1/1	7/6	35/27	14/9	7/4	35/18	7/3	5/2
7/4	5/3	5/3	5/3	5/3	9/5	(closing	1/1	7/6	35/27	14/9	7/4	35/18	175/81	5/2
5/3	7/4	5/3	9/5	5/3	5/3	Fifth)	1/1	7/6	7/5	14/9	5/3	35/18	7/3	5/2
5/3	7/4	5/3	5/3	9/5	5/3		1/1	7/6	35/27	14/9	5/3	35/18	7/3	5/2
5/3	7/4	5/3	5/3	5/3	9/5		1/1	7/6	35/27	14/9	5/3	35/18	175/81	5/2
5/3	5/3	7/4	5/3	9/5	5/3		1/1	10/9	35/27	14/9	5/3	35/18	7/3	5/2
5/3	5/3	7/4	5/3	5/3	9/5		1/1	10/9	35/27	14/9	5/3	35/18	175/81	5/2
5/3	5/3	5/3	7/4	5/3	9/5		1/1	10/9	35/27	14/9	5/3	50/27	175/81	5/2

Purvi Modulations

5/3	5/3	7/4	5/3	9/5	5/3	45/28	1/1	10/9	35/27	14/9	5/3	35/18	7/3	5/2
5/3	5/3	5/3	7/4	5/3	9/5		1/1	10/9	35/27	3/2	5/3	35/18	7/3	5/2
9/5	5/3	5/3	5/3	7/4	5/3	↓	1/1	10/9	35/27	3/2	5/3	35/18	25/12	5/2
5/3	9/5	5/3	5/3	5/3	7/4	(closing	1/1	10/9	5/4	3/2	5/3	35/18	25/12	5/2
7/4	5/3	9/5	5/3	5/3	5/3	Fifth)	1/1	10/9	5/4	3/2	5/3	25/14	25/12	5/2
5/3	7/4	5/3	9/5	5/3	5/3		1/1	15/14	5/4	3/2	5/3	25/14	25/12	5/2
5/3	5/3	7/4	5/3	9/5	5/3		1/1	15/14	5/4	3/2	45/28	25/14	25/12	5/2

Murchana Matrix

1/1	7/6	7/5	3/2	5/3	35/18	7/3
15/7	1/1	6/5	9/7	10/7	5/3	2/1
25/14	25/12	1/1	15/14	25/21	25/18	5/3
5/3	35/18	7/3	1/1	10/9	35/27	14/9
3/2	7/4	21/10	9/4	1/1	7/6	7/5
9/7	3/2	9/5	27/14	15/7	1/1	6/5
15/14	5/4	3/2	45/28	25/14	25/12	1/1

Hidden Murchana Matrix I

1/1	15/14	9/7	3/2	27/14	15/7
7/3	1/1	6/5	7/5	9/5	2/1
35/18	25/12	1/1	7/6	3/2	5/3
5/3	25/14	15/7	1/1	9/7	10/7
35/27	25/18	5/3	35/18	1/1	10/9
7/6	5/4	3/2	7/4	9/4	1/1

Hidden Murchana Matrix II

1/1	10/9	14/9	5/3	2/1	7/3
9/4	1/1	7/5	3/2	9/5	21/10
45/28	25/14	1/1	15/14	9/7	3/2
3/2	5/3	7/3	1/1	6/5	7/5
5/4	25/18	35/18	25/12	1/1	7/6
15/14	25/21	5/3	25/14	15/7	1/1

Genus:

1/1	11/10	7/5	3/2
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Marwa Permutations

33/20	5/3	21/11	5/3	5/3	5/3	45/28	1/1	11/10	7/5	14/9	33/20	21/10	7/3	5/2
33/20	5/3	5/3	21/11	5/3	5/3		1/1	11/10	7/5	14/9	33/20	11/6	7/3	5/2
33/20	5/3	5/3	5/3	21/11	5/3	↓	1/1	11/10	11/9	14/9	33/20	11/6	7/3	5/2
33/20	5/3	5/3	5/3	5/3	21/11	(closing	1/1	11/10	11/9	14/9	33/20	11/6	55/27	5/2
5/3	33/20	5/3	21/11	5/3	5/3	Fifth)	1/1	11/10	7/5	14/9	5/3	11/6	7/3	5/2
5/3	33/20	5/3	5/3	21/11	5/3		1/1	11/10	11/9	14/9	5/3	11/6	7/3	5/2
5/3	33/20	5/3	5/3	5/3	21/11		1/1	11/10	11/9	14/9	5/3	11/6	55/27	5/2
5/3	5/3	33/20	5/3	21/11	5/3		1/1	10/9	11/9	14/9	5/3	11/6	7/3	5/2
5/3	5/3	33/20	5/3	5/3	21/11		1/1	10/9	11/9	14/9	5/3	11/6	55/27	5/2
5/3	5/3	5/3	33/20	5/3	21/11		1/1	10/9	11/9	14/9	5/3	50/27	55/27	5/2

Purvi Modulations

5/3	5/3	33/20	5/3	21/11	5/3	45/28	1/1	10/9	11/9	14/9	5/3	11/6	7/3	5/2
5/3	5/3	5/3	33/20	5/3	21/11		1/1	10/9	11/9	3/2	5/3	11/6	7/3	5/2
21/11	5/3	5/3	5/3	33/20	5/3	↓	1/1	10/9	11/9	3/2	5/3	11/6	55/28	5/2
5/3	21/11	5/3	5/3	5/3	33/20	(closing	1/1	10/9	33/28	3/2	5/3	11/6	55/28	5/2
33/20	5/3	21/11	5/3	5/3	5/3	Fifth)	1/1	10/9	33/28	3/2	5/3	25/14	55/28	5/2
5/3	33/20	5/3	21/11	5/3	5/3		1/1	15/14	33/28	3/2	5/3	25/14	55/28	5/2
5/3	5/3	33/20	5/3	21/11	5/3		1/1	15/14	33/28	3/2	45/28	25/14	55/28	5/2

Murchana Matrix

1/1	11/10	7/5	3/2	5/3	11/6	7/3
25/11	1/1	14/11	15/11	50/33	5/3	70/33
25/14	55/28	1/1	15/14	25/21	55/42	5/3
5/3	11/6	7/3	1/1	10/9	11/9	14/9
3/2	33/20	21/10	9/4	1/1	11/10	7/5
15/11	3/2	21/11	45/22	25/11	1/1	14/11
15/14	33/28	3/2	45/28	25/14	55/28	1/1

Hidden Murchana Matrix I

1/1	15/14	15/11	3/2	45/22	25/11
7/3	1/1	14/11	7/5	21/11	70/33
11/6	55/28	1/1	11/10	3/2	5/3
5/3	25/14	25/11	1/1	15/11	50/33
11/9	55/42	5/3	11/6	1/1	10/9
11/10	33/28	3/2	33/20	9/4	1/1

Hidden Murchana Matrix II

1/1	10/9	14/9	5/3	70/33	7/3
9/4	1/1	7/5	3/2	21/11	21/10
45/28	25/14	1/1	15/14	15/11	3/2
3/2	5/3	7/3	1/1	14/11	7/5
33/28	55/42	11/6	55/28	1/1	11/10
15/14	25/21	5/3	25/14	25/11	1/1

Genus:

1/1	15/14	15/11	3/2
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Marwa Permutations

45/28	5/3	21/11	5/3	5/3	5/3	33/20	1/1	15/14	15/11	50/33	45/28	45/22	25/11	5/2
45/28	5/3	5/3	21/11	5/3	5/3		1/1	15/14	15/11	50/33	45/28	25/14	25/11	5/2
45/28	5/3	5/3	5/3	21/11	5/3	↓	1/1	15/14	25/21	50/33	45/28	25/14	25/11	5/2
45/28	5/3	5/3	5/3	5/3	21/11	(closing	1/1	15/14	25/21	50/33	45/28	25/14	125/63	5/2
5/3	45/28	5/3	21/11	5/3	5/3	Fifth)	1/1	15/14	15/11	50/33	5/3	25/14	25/11	5/2
5/3	45/28	5/3	5/3	21/11	5/3		1/1	15/14	25/21	50/33	5/3	25/14	25/11	5/2
5/3	45/28	5/3	5/3	5/3	21/11		1/1	15/14	25/21	50/33	5/3	25/14	125/63	5/2
5/3	5/3	45/28	5/3	21/11	5/3		1/1	10/9	25/21	50/33	5/3	25/14	25/11	5/2
5/3	5/3	45/28	5/3	5/3	21/11		1/1	10/9	25/21	50/33	5/3	25/14	125/63	5/2
5/3	5/3	5/3	45/28	5/3	21/11		1/1	10/9	25/21	50/33	5/3	50/27	125/63	5/2

Purvi Modulations

5/3	5/3	45/28	5/3	21/11	5/3	33/20	1/1	10/9	25/21	50/33	5/3	25/14	25/11	5/2
5/3	5/3	5/3	45/28	5/3	21/11		1/1	10/9	25/21	3/2	5/3	25/14	25/11	5/2
21/11	5/3	5/3	5/3	45/28	5/3	↓	1/1	10/9	25/21	3/2	5/3	25/14	55/28	5/2
5/3	21/11	5/3	5/3	5/3	45/28	(closing	1/1	10/9	33/28	3/2	5/3	25/14	55/28	5/2
45/28	5/3	21/11	5/3	5/3	5/3	Fifth)	1/1	10/9	33/28	3/2	5/3	11/6	55/28	5/2
5/3	45/28	5/3	21/11	5/3	5/3		1/1	11/10	33/28	3/2	5/3	11/6	55/28	5/2
5/3	5/3	45/28	5/3	21/11	5/3		1/1	11/10	33/28	3/2	33/20	11/6	55/28	5/2

Murchana Matrix

1/1	15/14	15/11	3/2	5/3	25/14	25/11
7/3	1/1	14/11	7/5	14/9	5/3	70/33
11/6	55/28	1/1	11/10	11/9	55/42	5/3
5/3	25/14	25/11	1/1	10/9	25/21	50/33
3/2	45/28	45/22	9/4	1/1	15/14	15/11
7/5	3/2	21/11	21/10	7/3	1/1	14/11
11/10	33/28	3/2	33/20	11/6	55/28	1/1

Hidden Murchana Matrix I

1/1	11/10	7/5	3/2	21/10	7/3
25/11	1/1	14/11	15/11	21/11	70/33
25/14	55/28	1/1	15/14	3/2	5/3
5/3	11/6	7/3	1/1	7/5	14/9
25/21	55/42	5/3	25/14	1/1	10/9
15/14	33/28	3/2	45/28	9/4	1/1

Hidden Murchana Matrix II

1/1	10/9	50/33	5/3	70/33	25/11
9/4	1/1	15/11	3/2	21/11	45/22
33/20	11/6	1/1	11/10	7/5	3/2
3/2	5/3	25/11	1/1	14/11	15/11
33/28	55/42	25/14	55/28	1/1	15/14
11/10	11/9	5/3	11/6	7/3	1/1

Part IV: 8/3-Equivalent Genera

Genus:

1/1	6/5	7/5	8/5
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Marwa Permutations

48/25	5/3	28/15	5/3	5/3	5/3	64/35	1/1	6/5	7/5	35/24	48/25	56/25	7/3	8/3
48/25	5/3	5/3	28/15	5/3	5/3		1/1	6/5	7/5	35/24	48/25	2/1	7/3	8/3
48/25	5/3	5/3	5/3	28/15	5/3	↓	1/1	6/5	5/4	35/24	48/25	2/1	7/3	8/3
48/25	5/3	5/3	5/3	5/3	28/15	(closing	1/1	6/5	5/4	35/24	48/25	2/1	25/12	8/3
5/3	48/25	5/3	28/15	5/3	5/3	Fifth)	1/1	6/5	7/5	35/24	5/3	2/1	7/3	8/3
5/3	48/25	5/3	5/3	28/15	5/3		1/1	6/5	5/4	35/24	5/3	2/1	7/3	8/3
5/3	48/25	5/3	5/3	5/3	28/15		1/1	6/5	5/4	35/24	5/3	2/1	25/12	8/3
5/3	5/3	48/25	5/3	28/15	5/3		1/1	25/24	5/4	35/24	5/3	2/1	7/3	8/3
5/3	5/3	48/25	5/3	5/3	28/15		1/1	25/24	5/4	35/24	5/3	2/1	25/12	8/3
5/3	5/3	5/3	48/25	5/3	28/15		1/1	25/24	5/4	35/24	5/3	125/72	25/12	8/3

Purvi Modulations

5/3	5/3	48/25	5/3	28/15	5/3	64/35	1/1	25/24	5/4	35/24	5/3	2/1	7/3	8/3
5/3	5/3	5/3	48/25	5/3	28/15		1/1	25/24	5/4	8/5	5/3	2/1	7/3	8/3
28/15	5/3	5/3	5/3	48/25	5/3	↓	1/1	25/24	5/4	8/5	5/3	2/1	16/7	8/3
5/3	28/15	5/3	5/3	5/3	48/25	(closing	1/1	25/24	48/35	8/5	5/3	2/1	16/7	8/3
48/25	5/3	28/15	5/3	5/3	5/3	Fifth)	1/1	25/24	48/35	8/5	5/3	40/21	16/7	8/3
5/3	48/25	5/3	28/15	5/3	5/3		1/1	8/7	48/35	8/5	5/3	40/21	16/7	8/3
5/3	5/3	48/25	5/3	28/15	5/3		1/1	8/7	48/35	8/5	64/35	40/21	16/7	8/3

Murchana Matrix

1/1	6/5	7/5	8/5	5/3	2/1	7/3
20/9	1/1	7/6	4/3	25/18	5/3	35/18
40/21	16/7	1/1	8/7	25/21	10/7	5/3
5/3	2/1	7/3	1/1	25/24	5/4	35/24
8/5	48/25	56/25	64/25	1/1	6/5	7/5
4/3	8/5	28/15	32/15	20/9	1/1	7/6
8/7	48/35	8/5	64/35	40/21	16/7	1/1

Hidden Murchana Matrix I

1/1	8/7	4/3	8/5	32/15	20/9
7/3	1/1	7/6	7/5	28/15	35/18
2/1	16/7	1/1	6/5	8/5	5/3
5/3	40/21	20/9	1/1	4/3	25/18
5/4	10/7	5/3	2/1	1/1	25/24
6/5	48/35	8/5	48/25	64/25	1/1

Hidden Murchana Matrix II

1/1	25/24	35/24	5/3	35/18	7/3
64/25	1/1	7/5	8/5	28/15	56/25
64/35	40/21	1/1	8/7	4/3	8/5
8/5	5/3	7/3	1/1	7/6	7/5
48/35	10/7	2/1	16/7	1/1	6/5
8/7	25/21	5/3	40/21	20/9	1/1

Genus:

1/1	8/7	4/3	8/5
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Marwa Permutations

64/35	5/3	28/15	5/3	5/3	5/3	48/25	1/1	8/7	4/3	25/18	64/35	32/15	20/9	8/3
64/35	5/3	5/3	28/15	5/3	5/3		1/1	8/7	4/3	25/18	64/35	40/21	20/9	8/3
64/35	5/3	5/3	5/3	28/15	5/3	↓	1/1	8/7	25/21	25/18	64/35	40/21	20/9	8/3
64/35	5/3	5/3	5/3	5/3	28/15	(closing	1/1	8/7	25/21	25/18	64/35	40/21	125/63	8/3
5/3	64/35	5/3	28/15	5/3	5/3	Fifth)	1/1	8/7	4/3	25/18	5/3	40/21	20/9	8/3
5/3	64/35	5/3	5/3	28/15	5/3		1/1	8/7	25/21	25/18	5/3	40/21	20/9	8/3
5/3	64/35	5/3	5/3	5/3	28/15		1/1	8/7	25/21	25/18	5/3	40/21	125/63	8/3
5/3	5/3	64/35	5/3	28/15	5/3		1/1	25/24	25/21	25/18	5/3	40/21	20/9	8/3
5/3	5/3	64/35	5/3	5/3	28/15		1/1	25/24	25/21	25/18	5/3	40/21	125/63	8/3
5/3	5/3	5/3	64/35	5/3	28/15		1/1	25/24	25/21	25/18	5/3	125/72	125/63	8/3

Purvi Modulations

5/3	5/3	64/35	5/3	28/15	5/3	48/25	1/1	25/24	25/21	25/18	5/3	40/21	20/9	8/3
5/3	5/3	5/3	64/35	5/3	28/15		1/1	25/24	25/21	8/5	5/3	40/21	20/9	8/3
28/15	5/3	5/3	5/3	64/35	5/3	↓	1/1	25/24	25/21	8/5	5/3	40/21	16/7	8/3
5/3	28/15	5/3	5/3	5/3	64/35	(closing	1/1	25/24	48/35	8/5	5/3	40/21	16/7	8/3
64/35	5/3	28/15	5/3	5/3	5/3	Fifth)	1/1	25/24	48/35	8/5	5/3	2/1	16/7	8/3
5/3	64/35	5/3	28/15	5/3	5/3		1/1	6/5	48/35	8/5	5/3	2/1	16/7	8/3
5/3	5/3	64/35	5/3	28/15	5/3		1/1	6/5	48/35	8/5	48/25	2/1	16/7	8/3

Murchana Matrix

1/1	8/7	4/3	8/5	5/3	40/21	20/9
7/3	1/1	7/6	7/5	35/24	5/3	35/18
2/1	16/7	1/1	6/5	5/4	10/7	5/3
5/3	40/21	20/9	1/1	25/24	25/21	25/18
8/5	64/35	32/15	64/25	1/1	8/7	4/3
7/5	8/5	28/15	56/25	7/3	1/1	7/6
6/5	48/35	8/5	48/25	2/1	16/7	1/1

Hidden Murchana Matrix I

1/1	6/5	7/5	8/5	56/25	7/3
20/9	1/1	7/6	4/3	28/15	35/18
40/21	16/7	1/1	8/7	8/5	5/3
5/3	2/1	7/3	1/1	7/5	35/24
25/21	10/7	5/3	40/21	1/1	25/24
8/7	48/35	8/5	64/35	64/25	1/1

Hidden Murchana Matrix II

1/1	25/24	25/18	5/3	35/18	20/9
64/25	1/1	4/3	8/5	28/15	32/15
48/25	2/1	1/1	6/5	7/5	8/5
8/5	5/3	20/9	1/1	7/6	4/3
48/35	10/7	40/21	16/7	1/1	8/7
6/5	5/4	5/3	2/1	7/3	1/1

Genus:

1/1	7/6	4/3	8/5
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Marwa Permutations

28/15	5/3	64/35	5/3	5/3	5/3	48/25 ↓ (closing Fifth)
28/15	5/3	5/3	64/35	5/3	5/3	
28/15	5/3	5/3	5/3	64/35	5/3	
28/15	5/3	5/3	5/3	5/3	64/35	
5/3	28/15	5/3	64/35	5/3	5/3	
5/3	28/15	5/3	5/3	64/35	5/3	
5/3	28/15	5/3	5/3	5/3	64/35	
5/3	5/3	28/15	5/3	64/35	5/3	
5/3	5/3	28/15	5/3	5/3	64/35	
5/3	5/3	5/3	28/15	5/3	64/35	

1/1	7/6	4/3	25/18	28/15	32/15	20/9	8/3
1/1	7/6	4/3	25/18	28/15	35/18	20/9	8/3
1/1	7/6	175/144	25/18	28/15	35/18	20/9	8/3
1/1	7/6	175/144	25/18	28/15	35/18	875/432	8/3
1/1	7/6	4/3	25/18	5/3	35/18	20/9	8/3
1/1	7/6	175/144	25/18	5/3	35/18	20/9	8/3
1/1	7/6	175/144	25/18	5/3	35/18	875/432	8/3
1/1	25/24	175/144	25/18	5/3	35/18	20/9	8/3
1/1	25/24	175/144	25/18	5/3	35/18	875/432	8/3
1/1	25/24	175/144	25/18	5/3	125/72	875/432	8/3

Purvi Modulations

5/3	5/3	28/15	5/3	64/35	5/3	48/25 ↓ (closing Fifth)
5/3	5/3	5/3	28/15	5/3	64/35	
64/35	5/3	5/3	5/3	28/15	5/3	
5/3	64/35	5/3	5/3	5/3	28/15	
28/15	5/3	64/35	5/3	5/3	5/3	
5/3	28/15	5/3	64/35	5/3	5/3	
5/3	5/3	28/15	5/3	64/35	5/3	
5/3	5/3	28/15	5/3	5/3	64/35	
5/3	5/3	28/15	5/3	5/3	64/35	

1/1	25/24	175/144	25/18	5/3	35/18	20/9	8/3
1/1	25/24	175/144	8/5	5/3	35/18	20/9	8/3
1/1	25/24	175/144	8/5	5/3	35/18	7/3	8/3
1/1	25/24	7/5	8/5	5/3	35/18	7/3	8/3
1/1	25/24	7/5	8/5	5/3	2/1	7/3	8/3
1/1	6/5	7/5	8/5	5/3	2/1	7/3	8/3
1/1	6/5	7/5	8/5	48/25	2/1	7/3	8/3

Murchana Matrix

1/1	7/6	4/3	8/5	5/3	35/18	20/9
16/7	1/1	8/7	48/35	10/7	5/3	40/21
2/1	7/3	1/1	6/5	5/4	35/24	5/3
5/3	35/18	20/9	1/1	25/24	175/144	25/18
8/5	28/15	32/15	64/25	1/1	7/6	4/3
48/35	8/5	64/35	384/175	16/7	1/1	8/7
6/5	7/5	8/5	48/25	2/1	7/3	1/1

Hidden Murchana Matrix I

1/1	6/5	48/35	8/5	384/175	16/7
20/9	1/1	8/7	4/3	64/35	40/21
35/18	7/3	1/1	7/6	8/5	5/3
5/3	2/1	16/7	1/1	48/35	10/7
175/144	35/24	5/3	35/18	1/1	25/24
7/6	7/5	8/5	28/15	64/25	1/1

Hidden Murchana Matrix II

1/1	25/24	25/18	5/3	40/21	20/9
64/25	1/1	4/3	8/5	64/35	32/15
48/25	2/1	1/1	6/5	48/35	8/5
8/5	5/3	20/9	1/1	8/7	4/3
7/5	35/24	35/18	7/3	1/1	7/6
6/5	5/4	5/3	2/1	16/7	1/1

Genus:

1/1	10/9	4/3	14/9
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Marwa Permutations

140/81	12/7	28/15	12/7	12/7	12/7	49/27	1/1	10/9	4/3	72/49	140/81	56/27	16/7	8/3
140/81	12/7	12/7	28/15	12/7	12/7		1/1	10/9	4/3	72/49	140/81	40/21	16/7	8/3
140/81	12/7	12/7	12/7	28/15	12/7	↓	1/1	10/9	60/49	72/49	140/81	40/21	16/7	8/3
140/81	12/7	12/7	12/7	12/7	28/15	(closing	1/1	10/9	60/49	72/49	140/81	40/21	720/343	8/3
12/7	140/81	12/7	28/15	12/7	12/7	Fifth)	1/1	10/9	4/3	72/49	12/7	40/21	16/7	8/3
12/7	140/81	12/7	12/7	28/15	12/7		1/1	10/9	60/49	72/49	12/7	40/21	16/7	8/3
12/7	140/81	12/7	12/7	12/7	28/15		1/1	10/9	60/49	72/49	12/7	40/21	720/343	8/3
12/7	12/7	140/81	12/7	28/15	12/7		1/1	54/49	60/49	72/49	12/7	40/21	16/7	8/3
12/7	12/7	140/81	12/7	12/7	28/15		1/1	54/49	60/49	72/49	12/7	40/21	720/343	8/3
12/7	12/7	12/7	140/81	12/7	28/15		1/1	54/49	60/49	72/49	12/7	648/343	720/343	8/3

Purvi Modulations

12/7	12/7	140/81	12/7	28/15	12/7	49/27	1/1	54/49	60/49	72/49	12/7	40/21	16/7	8/3
12/7	12/7	12/7	140/81	12/7	28/15		1/1	54/49	60/49	14/9	12/7	40/21	16/7	8/3
28/15	12/7	12/7	12/7	140/81	12/7	↓	1/1	54/49	60/49	14/9	12/7	40/21	20/9	8/3
12/7	28/15	12/7	12/7	12/7	140/81	(closing	1/1	54/49	35/27	14/9	12/7	40/21	20/9	8/3
140/81	12/7	28/15	12/7	12/7	12/7	Fifth)	1/1	54/49	35/27	14/9	12/7	2/1	20/9	8/3
12/7	140/81	12/7	28/15	12/7	12/7		1/1	7/6	35/27	14/9	12/7	2/1	20/9	8/3
12/7	12/7	140/81	12/7	28/15	12/7		1/1	7/6	35/27	14/9	49/27	2/1	20/9	8/3

Murchana Matrix

1/1	10/9	4/3	14/9	12/7	40/21	16/7
12/5	1/1	6/5	7/5	54/35	12/7	72/35
2/1	20/9	1/1	7/6	9/7	10/7	12/7
12/7	40/21	16/7	1/1	54/49	60/49	72/49
14/9	140/81	56/27	196/81	1/1	10/9	4/3
7/5	14/9	28/15	98/45	12/5	1/1	6/5
7/6	35/27	14/9	49/27	2/1	20/9	1/1

Hidden Murchana Matrix I

1/1	7/6	7/5	14/9	98/45	12/5
16/7	1/1	6/5	4/3	28/15	72/35
40/21	20/9	1/1	10/9	14/9	12/7
12/7	2/1	12/5	1/1	7/5	54/35
60/49	10/7	12/7	40/21	1/1	54/49
10/9	35/27	14/9	140/81	196/81	1/1

Hidden Murchana Matrix II

1/1	54/49	72/49	12/7	72/35	16/7
196/81	1/1	4/3	14/9	28/15	56/27
49/27	2/1	1/1	7/6	7/5	14/9
14/9	12/7	16/7	1/1	6/5	4/3
35/27	10/7	40/21	20/9	1/1	10/9
7/6	9/7	12/7	2/1	12/5	1/1

Part V: 7/2-Equivalent Genera

Genus:

1/1	5/4	3/2	7/4
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Marwa Permutations

35/16	2/1	21/10	2/1	2/1	2/1	49/24	1/1	5/4	3/2	12/7	35/16	21/8	3/1	7/2
35/16	2/1	2/1	21/10	2/1	2/1		1/1	5/4	3/2	12/7	35/16	5/2	3/1	7/2
35/16	2/1	2/1	2/1	21/10	2/1	↓	1/1	5/4	10/7	12/7	35/16	5/2	3/1	7/2
35/16	2/1	2/1	2/1	2/1	21/10	(closing	1/1	5/4	10/7	12/7	35/16	5/2	20/7	7/2
2/1	35/16	2/1	21/10	2/1	2/1	Fifth)	1/1	5/4	3/2	12/7	2/1	5/2	3/1	7/2
2/1	35/16	2/1	2/1	21/10	2/1		1/1	5/4	10/7	12/7	2/1	5/2	3/1	7/2
2/1	35/16	2/1	2/1	2/1	21/10		1/1	5/4	10/7	12/7	2/1	5/2	20/7	7/2
2/1	2/1	35/16	2/1	21/10	2/1		1/1	8/7	10/7	12/7	2/1	5/2	3/1	7/2
2/1	2/1	35/16	2/1	2/1	21/10		1/1	8/7	10/7	12/7	2/1	5/2	20/7	7/2
2/1	2/1	2/1	35/16	2/1	21/10		1/1	8/7	10/7	12/7	2/1	16/7	20/7	7/2

Purvi Modulations

2/1	2/1	35/16	2/1	21/10	2/1	49/24	1/1	8/7	10/7	12/7	2/1	5/2	3/1	7/2
2/1	2/1	2/1	35/16	2/1	21/10		1/1	8/7	10/7	7/4	2/1	5/2	3/1	7/2
21/10	2/1	2/1	2/1	35/16	2/1	↓	1/1	8/7	10/7	7/4	2/1	5/2	35/12	7/2
2/1	21/10	2/1	2/1	2/1	35/16	(closing	1/1	8/7	35/24	7/4	2/1	5/2	35/12	7/2
35/16	2/1	21/10	2/1	2/1	2/1	Fifth)	1/1	8/7	35/24	7/4	2/1	7/3	35/12	7/2
2/1	35/16	2/1	21/10	2/1	2/1		1/1	7/6	35/24	7/4	2/1	7/3	35/12	7/2
2/1	2/1	35/16	2/1	21/10	2/1		1/1	7/6	35/24	7/4	49/24	7/3	35/12	7/2

Murchana Matrix

1/1	5/4	3/2	7/4	2/1	5/2	3/1
14/5	1/1	6/5	7/5	8/5	2/1	12/5
7/3	35/12	1/1	7/6	4/3	5/3	2/1
2/1	5/2	3/1	1/1	8/7	10/7	12/7
7/4	35/16	21/8	49/16	1/1	5/4	3/2
7/5	7/4	21/10	49/20	14/5	1/1	6/5
7/6	35/24	7/4	49/24	7/3	35/12	1/1

Hidden Murchana Matrix I

1/1	7/6	7/5	7/4	49/20	14/5
3/1	1/1	6/5	3/2	21/10	12/5
5/2	35/12	1/1	5/4	7/4	2/1
2/1	7/3	14/5	1/1	7/5	8/5
10/7	5/3	2/1	5/2	1/1	8/7
5/4	35/24	7/4	35/16	49/16	1/1

Hidden Murchana Matrix II

1/1	8/7	12/7	2/1	12/5	3/1
49/16	1/1	3/2	7/4	21/10	21/8
49/24	7/3	1/1	7/6	7/5	7/4
7/4	2/1	3/1	1/1	6/5	3/2
35/24	5/3	5/2	35/12	1/1	5/4
7/6	4/3	2/1	7/3	14/5	1/1

Genus:

1/1	7/6	7/5	7/4
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Marwa Permutations

49/24	2/1	21/10	2/1	2/1	2/1
49/24	2/1	2/1	21/10	2/1	2/1
49/24	2/1	2/1	2/1	21/10	2/1
49/24	2/1	2/1	2/1	2/1	21/10
2/1	49/24	2/1	21/10	2/1	2/1
2/1	49/24	2/1	2/1	21/10	2/1
2/1	49/24	2/1	2/1	2/1	21/10
2/1	2/1	49/24	2/1	21/10	2/1
2/1	2/1	49/24	2/1	2/1	21/10
2/1	2/1	2/1	49/24	2/1	21/10

35/16
↓
(closing Fifth)

1/1	7/6	7/5	8/5	49/24	49/20	14/5	7/2
1/1	7/6	7/5	8/5	49/24	7/3	14/5	7/2
1/1	7/6	4/3	8/5	49/24	7/3	14/5	7/2
1/1	7/6	4/3	8/5	49/24	7/3	8/3	7/2
1/1	7/6	7/5	8/5	2/1	7/3	14/5	7/2
1/1	7/6	4/3	8/5	2/1	7/3	14/5	7/2
1/1	7/6	4/3	8/5	2/1	7/3	8/3	7/2
1/1	8/7	4/3	8/5	2/1	7/3	14/5	7/2
1/1	8/7	4/3	8/5	2/1	7/3	8/3	7/2
1/1	8/7	4/3	8/5	2/1	16/7	8/3	7/2

Purvi Modulations

2/1	2/1	49/24	2/1	21/10	2/1
2/1	2/1	2/1	49/24	2/1	21/10
21/10	2/1	2/1	2/1	49/24	2/1
2/1	21/10	2/1	2/1	2/1	49/24
49/24	2/1	21/10	2/1	2/1	2/1
2/1	49/24	2/1	21/10	2/1	2/1
2/1	2/1	49/24	2/1	21/10	2/1

35/16
↓
(closing Fifth)

1/1	8/7	4/3	8/5	2/1	7/3	14/5	7/2
1/1	8/7	4/3	7/4	2/1	7/3	14/5	7/2
1/1	8/7	4/3	7/4	2/1	7/3	35/12	7/2
1/1	8/7	35/24	7/4	2/1	7/3	35/12	7/2
1/1	8/7	35/24	7/4	2/1	5/2	35/12	7/2
1/1	5/4	35/24	7/4	2/1	5/2	35/12	7/2
1/1	5/4	35/24	7/4	35/16	5/2	35/12	7/2

Murchana Matrix

1/1	7/6	7/5	7/4	2/1	7/3	14/5
3/1	1/1	6/5	3/2	12/7	2/1	12/5
5/2	35/12	1/1	5/4	10/7	5/3	2/1
2/1	7/3	14/5	1/1	8/7	4/3	8/5
7/4	49/24	49/20	49/16	1/1	7/6	7/5
3/2	7/4	21/10	21/8	3/1	1/1	6/5
5/4	35/24	7/4	35/16	5/2	35/12	1/1

Hidden Murchana Matrix I

1/1	5/4	3/2	7/4	21/8	3/1
14/5	1/1	6/5	7/5	21/10	12/5
7/3	35/12	1/1	7/6	7/4	2/1
2/1	5/2	3/1	1/1	3/2	12/7
4/3	5/3	2/1	7/3	1/1	8/7
7/6	35/24	7/4	49/24	49/16	1/1

Hidden Murchana Matrix II

1/1	8/7	8/5	2/1	12/5	14/5
49/16	1/1	7/5	7/4	21/10	49/20
35/16	5/2	1/1	5/4	3/2	7/4
7/4	2/1	14/5	1/1	6/5	7/5
35/24	5/3	7/3	35/12	1/1	7/6
5/4	10/7	2/1	5/2	3/1	1/1

Part VI: 3/2-Equivalent Genera

Genus:

1/1	16/15	7/6	6/5
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Marwa Permutations

32/25	5/4	21/16	5/4	5/4	5/4	216/175 ↓ (closing Fifth)	1/1	16/15	7/6	175/144	32/25	7/5	35/24	3/2
32/25	5/4	5/4	21/16	5/4	5/4		1/1	16/15	7/6	175/144	32/25	4/3	35/24	3/2
32/25	5/4	5/4	5/4	21/16	5/4		1/1	16/15	10/9	175/144	32/25	4/3	35/24	3/2
32/25	5/4	5/4	5/4	5/4	21/16		1/1	16/15	10/9	175/144	32/25	4/3	25/18	3/2
5/4	32/25	5/4	21/16	5/4	5/4		1/1	16/15	7/6	175/144	5/4	4/3	35/24	3/2
5/4	32/25	5/4	5/4	21/16	5/4		1/1	16/15	10/9	175/144	5/4	4/3	35/24	3/2
5/4	32/25	5/4	5/4	5/4	21/16		1/1	16/15	10/9	175/144	5/4	4/3	25/18	3/2
5/4	5/4	32/25	5/4	21/16	5/4		1/1	25/24	10/9	175/144	5/4	4/3	35/24	3/2
5/4	5/4	32/25	5/4	5/4	21/16		1/1	25/24	10/9	175/144	5/4	4/3	25/18	3/2
5/4	5/4	5/4	32/25	5/4	21/16		1/1	25/24	10/9	175/144	5/4	125/96	25/18	3/2

Purvi Modulations

5/4	5/4	32/25	5/4	21/16	5/4	216/175 ↓ (closing Fifth)	1/1	25/24	10/9	175/144	5/4	4/3	35/24	3/2
5/4	5/4	5/4	32/25	5/4	21/16		1/1	25/24	10/9	6/5	5/4	4/3	35/24	3/2
21/16	5/4	5/4	5/4	32/25	5/4		1/1	25/24	10/9	6/5	5/4	4/3	48/35	3/2
5/4	21/16	5/4	5/4	5/4	32/25		1/1	25/24	192/175	6/5	5/4	4/3	48/35	3/2
32/25	5/4	21/16	5/4	5/4	5/4		1/1	25/24	192/175	6/5	5/4	9/7	48/35	3/2
5/4	32/25	5/4	21/16	5/4	5/4		1/1	36/35	192/175	6/5	5/4	9/7	48/35	3/2
5/4	5/4	32/25	5/4	21/16	5/4		1/1	36/35	192/175	6/5	216/175	9/7	48/35	3/2

Murchana Matrix

1/1	16/15	7/6	6/5	5/4	4/3	35/24
45/32	1/1	35/32	9/8	75/64	5/4	175/128
9/7	48/35	1/1	36/35	15/14	8/7	5/4
5/4	4/3	35/24	1/1	25/24	10/9	175/144
6/5	32/25	7/5	36/25	1/1	16/15	7/6
9/8	6/5	21/16	27/20	45/32	1/1	35/32
36/35	192/175	6/5	216/175	9/7	48/35	1/1

Hidden Murchana Matrix I

1/1	36/35	9/8	6/5	27/20	45/32
35/24	1/1	35/32	7/6	21/16	175/128
4/3	48/35	1/1	16/15	6/5	5/4
5/4	9/7	45/32	1/1	9/8	75/64
10/9	8/7	5/4	4/3	1/1	25/24
16/15	192/175	6/5	32/25	36/25	1/1

Hidden Murchana Matrix II

1/1	25/24	175/144	5/4	175/128	35/24
36/25	1/1	7/6	6/5	21/16	7/5
216/175	9/7	1/1	36/35	9/8	6/5
6/5	5/4	35/24	1/1	35/32	7/6
192/175	8/7	4/3	48/35	1/1	16/15
36/35	15/14	5/4	9/7	45/32	1/1

Genus:

1/1	10/9	7/6	6/5
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Marwa Permutations

4/3	5/4	63/50	5/4	5/4	5/4	216/175 ↓ (closing Fifth)	1/1	10/9	7/6	175/144	4/3	7/5	35/24	3/2
4/3	5/4	5/4	63/50	5/4	5/4		1/1	10/9	7/6	175/144	4/3	25/18	35/24	3/2
4/3	5/4	5/4	5/4	63/50	5/4		1/1	10/9	125/108	175/144	4/3	25/18	35/24	3/2
4/3	5/4	5/4	5/4	5/4	63/50		1/1	10/9	125/108	175/144	4/3	25/18	625/432	3/2
5/4	4/3	5/4	63/50	5/4	5/4		1/1	10/9	7/6	175/144	5/4	25/18	35/24	3/2
5/4	4/3	5/4	5/4	63/50	5/4		1/1	10/9	125/108	175/144	5/4	25/18	35/24	3/2
5/4	4/3	5/4	5/4	5/4	63/50		1/1	10/9	125/108	175/144	5/4	25/18	625/432	3/2
5/4	5/4	4/3	5/4	63/50	5/4		1/1	25/24	125/108	175/144	5/4	25/18	35/24	3/2
5/4	5/4	4/3	5/4	5/4	63/50		1/1	25/24	125/108	175/144	5/4	25/18	625/432	3/2
5/4	5/4	5/4	4/3	5/4	63/50		1/1	25/24	125/108	175/144	5/4	125/96	625/432	3/2

Purvi Modulations

5/4	5/4	4/3	5/4	63/50	5/4	216/175 ↓ (closing Fifth)	1/1	25/24	125/108	175/144	5/4	25/18	35/24	3/2
5/4	5/4	5/4	4/3	5/4	63/50		1/1	25/24	125/108	6/5	5/4	25/18	35/24	3/2
63/50	5/4	5/4	5/4	4/3	5/4		1/1	25/24	125/108	6/5	5/4	25/18	10/7	3/2
5/4	63/50	5/4	5/4	5/4	4/3		1/1	25/24	8/7	6/5	5/4	25/18	10/7	3/2
4/3	5/4	63/50	5/4	5/4	5/4		1/1	25/24	8/7	6/5	5/4	9/7	10/7	3/2
5/4	4/3	5/4	63/50	5/4	5/4		1/1	36/35	8/7	6/5	5/4	9/7	10/7	3/2
5/4	5/4	4/3	5/4	63/50	5/4		1/1	36/35	8/7	6/5	216/175	9/7	10/7	3/2

Murchana Matrix

1/1	10/9	7/6	6/5	5/4	25/18	35/24
27/20	1/1	21/20	27/25	9/8	5/4	21/16
9/7	10/7	1/1	36/35	15/14	25/21	5/4
5/4	25/18	35/24	1/1	25/24	125/108	175/144
6/5	4/3	7/5	36/25	1/1	10/9	7/6
27/25	6/5	63/50	162/125	27/20	1/1	21/20
36/35	8/7	6/5	216/175	9/7	10/7	1/1

Hidden Murchana Matrix I

1/1	36/35	27/25	6/5	162/125	27/20
35/24	1/1	21/20	7/6	63/50	21/16
25/18	10/7	1/1	10/9	6/5	5/4
5/4	9/7	27/20	1/1	27/25	9/8
125/108	25/21	5/4	25/18	1/1	25/24
10/9	8/7	6/5	4/3	36/25	1/1

Hidden Murchana Matrix II

1/1	25/24	175/144	5/4	21/16	35/24
36/25	1/1	7/6	6/5	63/50	7/5
216/175	9/7	1/1	36/35	27/25	6/5
6/5	5/4	35/24	1/1	21/20	7/6
8/7	25/21	25/18	10/7	1/1	10/9
36/35	15/14	5/4	9/7	27/20	1/1

PART VII: Octave-Equivalent Genera with Nonconsecutive Notes

Genus:

1/1	6/5	7/5	8/5
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Marwa Permutations

48/25	5/4	28/15	5/4	5/4	5/4	64/35 ↓ (closing Fifth)
48/25	5/4	5/4	28/15	5/4	5/4	
48/25	5/4	5/4	5/4	28/15	5/4	
48/25	5/4	5/4	5/4	5/4	28/15	
5/4	48/25	5/4	28/15	5/4	5/4	
5/4	48/25	5/4	5/4	28/15	5/4	
5/4	48/25	5/4	5/4	5/4	28/15	
5/4	5/4	48/25	5/4	28/15	5/4	
5/4	5/4	48/25	5/4	5/4	28/15	
5/4	5/4	5/4	48/25	5/4	28/15	

	1/1	6/5	7/5	35/32	48/25	56/25	7/4	2/1
	1/1	6/5	7/5	35/32	48/25	3/2	7/4	2/1
	1/1	6/5	15/16	35/32	48/25	3/2	7/4	2/1
	1/1	6/5	15/16	35/32	48/25	3/2	75/64	2/1
	1/1	6/5	7/5	35/32	5/4	3/2	7/4	2/1
	1/1	6/5	15/16	35/32	5/4	3/2	7/4	2/1
	1/1	6/5	15/16	35/32	5/4	3/2	75/64	2/1
	1/1	25/32	15/16	35/32	5/4	3/2	7/4	2/1
	1/1	25/32	15/16	35/32	5/4	3/2	75/64	2/1
	1/1	25/32	15/16	35/32	5/4	125/128	75/64	2/1

Purvi Modulations

5/4	5/4	48/25	5/4	28/15	5/4	64/35 ↓ (closing Fifth)
5/4	5/4	5/4	48/25	5/4	28/15	
28/15	5/4	5/4	5/4	48/25	5/4	
5/4	28/15	5/4	5/4	5/4	48/25	
48/25	5/4	28/15	5/4	5/4	5/4	
5/4	48/25	5/4	28/15	5/4	5/4	
5/4	5/4	48/25	5/4	28/15	5/4	
5/4	5/4	48/25	5/4	28/15	5/4	

	1/1	25/32	15/16	35/32	5/4	3/2	7/4	2/1
	1/1	25/32	15/16	8/5	5/4	3/2	7/4	2/1
	1/1	25/32	15/16	8/5	5/4	3/2	12/7	2/1
	1/1	25/32	48/35	8/5	5/4	3/2	12/7	2/1
	1/1	25/32	48/35	8/5	5/4	10/7	12/7	2/1
	1/1	8/7	48/35	8/5	5/4	10/7	12/7	2/1
	1/1	8/7	48/35	8/5	64/35	10/7	12/7	2/1

Murchana Matrix

1/1	6/5	7/5	8/5	5/4	3/2	7/4
5/3	1/1	7/6	4/3	25/24	5/4	35/24
10/7	12/7	1/1	8/7	25/28	15/14	5/4
5/4	3/2	7/4	1/1	25/32	15/16	35/32
8/5	48/25	56/25	64/25	1/1	6/5	7/5
4/3	8/5	28/15	32/15	5/3	1/1	7/6
8/7	48/35	8/5	64/35	10/7	12/7	1/1

Hidden Murchana Matrix I

1/1	8/7	4/3	8/5	32/15	5/3
7/4	1/1	7/6	7/5	28/15	35/24
3/2	12/7	1/1	6/5	8/5	5/4
5/4	10/7	5/3	1/1	4/3	25/24
15/16	15/14	5/4	3/2	1/1	25/32
6/5	48/35	8/5	48/25	64/25	1/1

Hidden Murchana Matrix II

	1/1	25/32	35/32	5/4	35/24	7/4
	64/25	1/1	7/5	8/5	28/15	56/25
	64/35	10/7	1/1	8/7	4/3	8/5
	8/5	5/4	7/4	1/1	7/6	7/5
	48/35	15/14	3/2	12/7	1/1	6/5
	8/7	25/28	5/4	10/7	5/3	1/1

Genus:

1/1	5/6	7/6	4/3
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Marwa Permutations

10/9	3/2	28/15	3/2	3/2	3/2	32/21	1/1	5/6	7/6	21/16	10/9	14/9	7/4	2/1
10/9	3/2	3/2	28/15	3/2	3/2		1/1	5/6	7/6	21/16	10/9	5/4	7/4	2/1
10/9	3/2	3/2	3/2	28/15	3/2	↓	1/1	5/6	15/16	21/16	10/9	5/4	7/4	2/1
10/9	3/2	3/2	3/2	3/2	28/15	(closing	1/1	5/6	15/16	21/16	10/9	5/4	45/32	2/1
3/2	10/9	3/2	28/15	3/2	3/2	Fifth)	1/1	5/6	7/6	21/16	3/2	5/4	7/4	2/1
3/2	10/9	3/2	3/2	28/15	3/2		1/1	5/6	15/16	21/16	3/2	5/4	7/4	2/1
3/2	10/9	3/2	3/2	3/2	28/15		1/1	5/6	15/16	21/16	3/2	5/4	45/32	2/1
3/2	3/2	10/9	3/2	28/15	3/2		1/1	9/8	15/16	21/16	3/2	5/4	7/4	2/1
3/2	3/2	10/9	3/2	3/2	28/15		1/1	9/8	15/16	21/16	3/2	5/4	45/32	2/1
3/2	3/2	3/2	10/9	3/2	28/15		1/1	9/8	15/16	21/16	3/2	27/16	45/32	2/1

Purvi Modulations

3/2	3/2	10/9	3/2	28/15	3/2	32/21	1/1	9/8	15/16	21/16	3/2	5/4	7/4	2/1
3/2	3/2	3/2	10/9	3/2	28/15		1/1	9/8	15/16	4/3	3/2	5/4	7/4	2/1
28/15	3/2	3/2	3/2	10/9	3/2	↓	1/1	9/8	15/16	4/3	3/2	5/4	10/7	2/1
3/2	28/15	3/2	3/2	3/2	10/9	(closing	1/1	9/8	20/21	4/3	3/2	5/4	10/7	2/1
10/9	3/2	28/15	3/2	3/2	3/2	Fifth)	1/1	9/8	20/21	4/3	3/2	12/7	10/7	2/1
3/2	10/9	3/2	28/15	3/2	3/2		1/1	8/7	20/21	4/3	3/2	12/7	10/7	2/1
3/2	3/2	10/9	3/2	28/15	3/2		1/1	8/7	20/21	4/3	32/21	12/7	10/7	2/1

Murchana Matrix

1/1	5/6	7/6	4/3	3/2	5/4	7/4
12/5	1/1	7/5	8/5	9/5	3/2	21/10
12/7	10/7	1/1	8/7	9/7	15/14	3/2
3/2	5/4	7/4	1/1	9/8	15/16	21/16
4/3	10/9	14/9	16/9	1/1	5/6	7/6
8/5	4/3	28/15	32/15	12/5	1/1	7/5
8/7	20/21	4/3	32/21	12/7	10/7	1/1

Hidden Murchana Matrix I

1/1	8/7	8/5	4/3	32/15	12/5
7/4	1/1	7/5	7/6	28/15	21/10
5/4	10/7	1/1	5/6	4/3	3/2
3/2	12/7	12/5	1/1	8/5	9/5
15/16	15/14	3/2	5/4	1/1	9/8
5/6	20/21	4/3	10/9	16/9	1/1

Hidden Murchana Matrix II

1/1	9/8	21/16	3/2	21/10	7/4
16/9	1/1	7/6	4/3	28/15	14/9
32/21	12/7	1/1	8/7	8/5	4/3
4/3	3/2	7/4	1/1	7/5	7/6
20/21	15/14	5/4	10/7	1/1	5/6
8/7	9/7	3/2	12/7	12/5	1/1

Genus:

1/1	7/6	3/2	5/3
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Marwa Permutations

35/18	6/5	15/7	6/5	6/5	6/5	50/27 ↓ (closing Fifth)	1/1	7/6	3/2	27/25	35/18	5/2	9/5	2/1
35/18	6/5	6/5	15/7	6/5	6/5		1/1	7/6	3/2	27/25	35/18	7/5	9/5	2/1
35/18	6/5	6/5	6/5	15/7	6/5		1/1	7/6	21/25	27/25	35/18	7/5	9/5	2/1
35/18	6/5	6/5	6/5	6/5	15/7		1/1	7/6	21/25	27/25	35/18	7/5	126/125	2/1
6/5	35/18	6/5	15/7	6/5	6/5		1/1	7/6	3/2	27/25	6/5	7/5	9/5	2/1
6/5	35/18	6/5	6/5	15/7	6/5		1/1	7/6	21/25	27/25	6/5	7/5	9/5	2/1
6/5	35/18	6/5	6/5	6/5	15/7		1/1	7/6	21/25	27/25	6/5	7/5	126/125	2/1
6/5	6/5	35/18	6/5	15/7	6/5		1/1	18/25	21/25	27/25	6/5	7/5	9/5	2/1
6/5	6/5	35/18	6/5	6/5	15/7		1/1	18/25	21/25	27/25	6/5	7/5	126/125	2/1
6/5	6/5	6/5	35/18	6/5	15/7		1/1	18/25	21/25	27/25	6/5	108/125	126/125	2/1

Purvi Modulations

6/5	6/5	35/18	6/5	15/7	6/5	50/27 ↓ (closing Fifth)	1/1	18/25	21/25	27/25	6/5	7/5	9/5	2/1
6/5	6/5	6/5	35/18	6/5	15/7		1/1	18/25	21/25	5/3	6/5	7/5	9/5	2/1
15/7	6/5	6/5	6/5	35/18	6/5		1/1	18/25	21/25	5/3	6/5	7/5	14/9	2/1
6/5	15/7	6/5	6/5	6/5	35/18		1/1	18/25	35/27	5/3	6/5	7/5	14/9	2/1
35/18	6/5	15/7	6/5	6/5	6/5		1/1	18/25	35/27	5/3	6/5	4/3	14/9	2/1
6/5	35/18	6/5	15/7	6/5	6/5		1/1	10/9	35/27	5/3	6/5	4/3	14/9	2/1
6/5	6/5	35/18	6/5	15/7	6/5		1/1	10/9	35/27	5/3	50/27	4/3	14/9	2/1

Murchana Matrix

1/1	7/6	3/2	5/3	6/5	7/5	9/5
12/7	1/1	9/7	10/7	36/35	6/5	54/35
4/3	14/9	1/1	10/9	4/5	14/15	6/5
6/5	7/5	9/5	1/1	18/25	21/25	27/25
5/3	35/18	5/2	25/9	1/1	7/6	3/2
10/7	5/3	15/7	50/21	12/7	1/1	9/7
10/9	35/27	5/3	50/27	4/3	14/9	1/1

Hidden Murchana Matrix I

1/1	10/9	10/7	5/3	50/21	12/7
9/5	1/1	9/7	3/2	15/7	54/35
7/5	14/9	1/1	7/6	5/3	6/5
6/5	4/3	12/7	1/1	10/7	36/35
21/25	14/15	6/5	7/5	1/1	18/25
7/6	35/27	5/3	35/18	25/9	1/1

Hidden Murchana Matrix II

1/1	18/25	27/25	6/5	54/35	9/5
25/9	1/1	3/2	5/3	15/7	5/2
50/27	4/3	1/1	10/9	10/7	5/3
5/3	6/5	9/5	1/1	9/7	3/2
35/27	14/15	7/5	14/9	1/1	7/6
10/9	4/5	6/5	4/3	12/7	1/1

Genus:

1/1	5/4	3/2	7/4
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Marwa Permutations

35/16	8/7	21/10	8/7	8/7	8/7	49/24	1/1	5/4	3/2	48/49	35/16	21/8	12/7	2/1
35/16	8/7	8/7	21/10	8/7	8/7		1/1	5/4	3/2	48/49	35/16	10/7	12/7	2/1
35/16	8/7	8/7	8/7	21/10	8/7	↓	1/1	5/4	40/49	48/49	35/16	10/7	12/7	2/1
35/16	8/7	8/7	8/7	8/7	21/10	(closing	1/1	5/4	40/49	48/49	35/16	10/7	320/343	2/1
8/7	35/16	8/7	21/10	8/7	8/7	Fifth)	1/1	5/4	3/2	48/49	8/7	10/7	12/7	2/1
8/7	35/16	8/7	8/7	21/10	8/7		1/1	5/4	40/49	48/49	8/7	10/7	12/7	2/1
8/7	35/16	8/7	8/7	8/7	21/10		1/1	5/4	40/49	48/49	8/7	10/7	320/343	2/1
8/7	8/7	35/16	8/7	21/10	8/7		1/1	32/49	40/49	48/49	8/7	10/7	12/7	2/1
8/7	8/7	35/16	8/7	8/7	21/10		1/1	32/49	40/49	48/49	8/7	10/7	320/343	2/1
8/7	8/7	8/7	35/16	8/7	21/10		1/1	32/49	40/49	48/49	8/7	256/343	320/343	2/1

Purvi Modulations

8/7	8/7	35/16	8/7	21/10	8/7	49/24	1/1	32/49	40/49	48/49	8/7	10/7	12/7	2/1
8/7	8/7	8/7	35/16	8/7	21/10		1/1	32/49	40/49	7/4	8/7	10/7	12/7	2/1
21/10	8/7	8/7	8/7	35/16	8/7	↓	1/1	32/49	40/49	7/4	8/7	10/7	5/3	2/1
8/7	21/10	8/7	8/7	8/7	35/16	(closing	1/1	32/49	35/24	7/4	8/7	10/7	5/3	2/1
35/16	8/7	21/10	8/7	8/7	8/7	Fifth)	1/1	32/49	35/24	7/4	8/7	4/3	5/3	2/1
8/7	35/16	8/7	21/10	8/7	8/7		1/1	7/6	35/24	7/4	8/7	4/3	5/3	2/1
8/7	8/7	35/16	8/7	21/10	8/7		1/1	7/6	35/24	7/4	49/24	4/3	5/3	2/1

Murchana Matrix

1/1	5/4	3/2	7/4	8/7	10/7	12/7
8/5	1/1	6/5	7/5	32/35	8/7	48/35
4/3	5/3	1/1	7/6	16/21	20/21	8/7
8/7	10/7	12/7	1/1	32/49	40/49	48/49
7/4	35/16	21/8	49/16	1/1	5/4	3/2
7/5	7/4	21/10	49/20	8/5	1/1	6/5
7/6	35/24	7/4	49/24	4/3	5/3	1/1

Hidden Murchana Matrix I

1/1	7/6	7/5	7/4	49/20	8/5
12/7	1/1	6/5	3/2	21/10	48/35
10/7	5/3	1/1	5/4	7/4	8/7
8/7	4/3	8/5	1/1	7/5	32/35
40/49	20/21	8/7	10/7	1/1	32/49
5/4	35/24	7/4	35/16	49/16	1/1

Hidden Murchana Matrix II

1/1	32/49	48/49	8/7	48/35	12/7
49/16	1/1	3/2	7/4	21/10	21/8
49/24	4/3	1/1	7/6	7/5	7/4
7/4	8/7	12/7	1/1	6/5	3/2
35/24	20/21	10/7	5/3	1/1	5/4
7/6	16/21	8/7	4/3	8/5	1/1

Genus:

1/1	6/5	3/2	12/7
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Marwa Permutations

72/35	7/6	15/7	7/6	7/6	7/6	96/49	1/1	6/5	3/2	49/48	72/35	18/7	7/4	2/1
72/35	7/6	7/6	15/7	7/6	7/6		1/1	6/5	3/2	49/48	72/35	7/5	7/4	2/1
72/35	7/6	7/6	7/6	15/7	7/6	↓	1/1	6/5	49/60	49/48	72/35	7/5	7/4	2/1
72/35	7/6	7/6	7/6	7/6	15/7	(closing	1/1	6/5	49/60	49/48	72/35	7/5	343/360	2/1
7/6	72/35	7/6	15/7	7/6	7/6	Fifth)	1/1	6/5	3/2	49/48	7/6	7/5	7/4	2/1
7/6	72/35	7/6	7/6	15/7	7/6		1/1	6/5	49/60	49/48	7/6	7/5	7/4	2/1
7/6	72/35	7/6	7/6	7/6	15/7		1/1	6/5	49/60	49/48	7/6	7/5	343/360	2/1
7/6	7/6	72/35	7/6	15/7	7/6		1/1	49/72	49/60	49/48	7/6	7/5	7/4	2/1
7/6	7/6	72/35	7/6	7/6	15/7		1/1	49/72	49/60	49/48	7/6	7/5	343/360	2/1
7/6	7/6	7/6	72/35	7/6	15/7		1/1	49/72	49/60	49/48	7/6	343/432	343/360	2/1

Purvi Modulations

7/6	7/6	72/35	7/6	15/7	7/6	96/49	1/1	49/72	49/60	49/48	7/6	7/5	7/4	2/1
7/6	7/6	7/6	72/35	7/6	15/7		1/1	49/72	49/60	12/7	7/6	7/5	7/4	2/1
15/7	7/6	7/6	7/6	72/35	7/6	↓	1/1	49/72	49/60	12/7	7/6	7/5	8/5	2/1
7/6	15/7	7/6	7/6	7/6	72/35	(closing	1/1	49/72	48/35	12/7	7/6	7/5	8/5	2/1
72/35	7/6	15/7	7/6	7/6	7/6	Fifth)	1/1	49/72	48/35	12/7	7/6	4/3	8/5	2/1
7/6	72/35	7/6	15/7	7/6	7/6		1/1	8/7	48/35	12/7	7/6	4/3	8/5	2/1
7/6	7/6	72/35	7/6	15/7	7/6		1/1	8/7	48/35	12/7	96/49	4/3	8/5	2/1

Murchana Matrix

1/1	6/5	3/2	12/7	7/6	7/5	7/4
5/3	1/1	5/4	10/7	35/36	7/6	35/24
4/3	8/5	1/1	8/7	7/9	14/15	7/6
7/6	7/5	7/4	1/1	49/72	49/60	49/48
12/7	72/35	18/7	144/49	1/1	6/5	3/2
10/7	12/7	15/7	120/49	5/3	1/1	5/4
8/7	48/35	12/7	96/49	4/3	8/5	1/1

Hidden Murchana Matrix I

1/1	8/7	10/7	12/7	120/49	5/3
7/4	1/1	5/4	3/2	15/7	35/24
7/5	8/5	1/1	6/5	12/7	7/6
7/6	4/3	5/3	1/1	10/7	35/36
49/60	14/15	7/6	7/5	1/1	49/72
6/5	48/35	12/7	72/35	144/49	1/1

Hidden Murchana Matrix II

1/1	49/72	49/48	7/6	35/24	7/4
144/49	1/1	3/2	12/7	15/7	18/7
96/49	4/3	1/1	8/7	10/7	12/7
12/7	7/6	7/4	1/1	5/4	3/2
48/35	14/15	7/5	8/5	1/1	6/5
8/7	7/9	7/6	4/3	5/3	1/1

Genus:

1/1	5/4	7/4	9/4
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Marwa Permutations

45/16	8/9	63/20	8/9	8/9	8/9	81/28	1/1	5/4	7/4	56/81	45/16	63/16	14/9	2/1
45/16	8/9	8/9	63/20	8/9	8/9		1/1	5/4	7/4	56/81	45/16	10/9	14/9	2/1
45/16	8/9	8/9	8/9	63/20	8/9	↓	1/1	5/4	40/81	56/81	45/16	10/9	14/9	2/1
45/16	8/9	8/9	8/9	8/9	63/20	(closing	1/1	5/4	40/81	56/81	45/16	10/9	320/729	2/1
8/9	45/16	8/9	63/20	8/9	8/9	Fifth)	1/1	5/4	7/4	56/81	8/9	10/9	14/9	2/1
8/9	45/16	8/9	8/9	63/20	8/9		1/1	5/4	40/81	56/81	8/9	10/9	14/9	2/1
8/9	45/16	8/9	8/9	8/9	63/20		1/1	5/4	40/81	56/81	8/9	10/9	320/729	2/1
8/9	8/9	45/16	8/9	63/20	8/9		1/1	32/81	40/81	56/81	8/9	10/9	14/9	2/1
8/9	8/9	45/16	8/9	8/9	63/20		1/1	32/81	40/81	56/81	8/9	10/9	320/729	2/1
8/9	8/9	8/9	45/16	8/9	63/20		1/1	32/81	40/81	56/81	8/9	256/729	320/729	2/1

Purvi Modulations

8/9	8/9	45/16	8/9	63/20	8/9	81/28	1/1	32/81	40/81	56/81	8/9	10/9	14/9	2/1
8/9	8/9	8/9	45/16	8/9	63/20		1/1	32/81	40/81	9/4	8/9	10/9	14/9	2/1
63/20	8/9	8/9	8/9	45/16	8/9	↓	1/1	32/81	40/81	9/4	8/9	10/9	10/7	2/1
8/9	63/20	8/9	8/9	8/9	45/16	(closing	1/1	32/81	45/28	9/4	8/9	10/9	10/7	2/1
45/16	8/9	63/20	8/9	8/9	8/9	Fifth)	1/1	32/81	45/28	9/4	8/9	8/7	10/7	2/1
8/9	45/16	8/9	63/20	8/9	8/9		1/1	9/7	45/28	9/4	8/9	8/7	10/7	2/1
8/9	8/9	45/16	8/9	63/20	8/9		1/1	9/7	45/28	9/4	81/28	8/7	10/7	2/1

Murchana Matrix

1/1	5/4	7/4	9/4	8/9	10/9	14/9
8/5	1/1	7/5	9/5	32/45	8/9	56/45
8/7	10/7	1/1	9/7	32/63	40/63	8/9
8/9	10/9	14/9	1/1	32/81	40/81	56/81
9/4	45/16	63/16	81/16	1/1	5/4	7/4
9/5	9/4	63/20	81/20	8/5	1/1	7/5
9/7	45/28	9/4	81/28	8/7	10/7	1/1

Hidden Murchana Matrix I

1/1	9/7	9/5	9/4	81/20	8/5
14/9	1/1	7/5	7/4	63/20	56/45
10/9	10/7	1/1	5/4	9/4	8/9
8/9	8/7	8/5	1/1	9/5	32/45
40/81	40/63	8/9	10/9	1/1	32/81
5/4	45/28	9/4	45/16	81/16	1/1

Hidden Murchana Matrix II

1/1	32/81	56/81	8/9	56/45	14/9
81/16	1/1	7/4	9/4	63/20	63/16
81/28	8/7	1/1	9/7	9/5	9/4
9/4	8/9	14/9	1/1	7/5	7/4
45/28	40/63	10/9	10/7	1/1	5/4
9/7	32/63	8/9	8/7	8/5	1/1

Genus:

1/1	5/4	11/8	7/4
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Marwa Permutations

35/16	8/7	77/40	8/7	8/7	8/7	49/22	1/1	5/4	11/8	44/49	35/16	77/32	11/7	2/1
35/16	8/7	8/7	77/40	8/7	8/7		1/1	5/4	11/8	44/49	35/16	10/7	11/7	2/1
35/16	8/7	8/7	8/7	77/40	8/7	↓	1/1	5/4	40/49	44/49	35/16	10/7	11/7	2/1
35/16	8/7	8/7	8/7	8/7	77/40	(closing	1/1	5/4	40/49	44/49	35/16	10/7	320/343	2/1
8/7	35/16	8/7	77/40	8/7	8/7	Fifth)	1/1	5/4	11/8	44/49	8/7	10/7	11/7	2/1
8/7	35/16	8/7	8/7	8/7	77/40		1/1	5/4	40/49	44/49	8/7	10/7	11/7	2/1
8/7	35/16	8/7	8/7	8/7	77/40		1/1	5/4	40/49	44/49	8/7	10/7	320/343	2/1
8/7	8/7	35/16	8/7	77/40	8/7		1/1	32/49	40/49	44/49	8/7	10/7	11/7	2/1
8/7	8/7	35/16	8/7	8/7	77/40		1/1	32/49	40/49	44/49	8/7	10/7	320/343	2/1
8/7	8/7	8/7	35/16	8/7	77/40		1/1	32/49	40/49	44/49	8/7	256/343	320/343	2/1

Purvi Modulations

8/7	8/7	35/16	8/7	77/40	8/7	49/22	1/1	32/49	40/49	44/49	8/7	10/7	11/7	2/1
8/7	8/7	8/7	35/16	8/7	77/40		1/1	32/49	40/49	7/4	8/7	10/7	11/7	2/1
77/40	8/7	8/7	8/7	35/16	8/7	↓	1/1	32/49	40/49	7/4	8/7	10/7	20/11	2/1
8/7	77/40	8/7	8/7	8/7	35/16	(closing	1/1	32/49	35/22	7/4	8/7	10/7	20/11	2/1
35/16	8/7	77/40	8/7	8/7	8/7	Fifth)	1/1	32/49	35/22	7/4	8/7	16/11	20/11	2/1
8/7	35/16	8/7	77/40	8/7	8/7		1/1	14/11	35/22	7/4	8/7	16/11	20/11	2/1
8/7	8/7	35/16	8/7	77/40	8/7		1/1	14/11	35/22	7/4	49/22	16/11	20/11	2/1

Murchana Matrix

1/1	5/4	11/8	7/4	8/7	10/7	11/7
8/5	1/1	11/10	7/5	32/35	8/7	44/35
16/11	20/11	1/1	14/11	64/77	80/77	8/7
8/7	10/7	11/7	1/1	32/49	40/49	44/49
7/4	35/16	77/32	49/16	1/1	5/4	11/8
7/5	7/4	77/40	49/20	8/5	1/1	11/10
14/11	35/22	7/4	49/22	16/11	20/11	1/1

Hidden Murchana Matrix I

1/1	14/11	7/5	7/4	49/20	8/5
11/7	1/1	11/10	11/8	77/40	44/35
10/7	20/11	1/1	5/4	7/4	8/7
8/7	16/11	8/5	1/1	7/5	32/35
40/49	80/77	8/7	10/7	1/1	32/49
5/4	35/22	7/4	35/16	49/16	1/1

Hidden Murchana Matrix II

1/1	32/49	44/49	8/7	44/35	11/7
49/16	1/1	11/8	7/4	77/40	77/32
49/22	16/11	1/1	14/11	7/5	7/4
7/4	8/7	11/7	1/1	11/10	11/8
35/22	80/77	10/7	20/11	1/1	5/4
14/11	64/77	8/7	16/11	8/5	1/1

Genus:

1/1	11/8	3/2	7/4
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Marwa Permutations

77/32	8/7	21/11	8/7	8/7	8/7	49/24	1/1	11/8	3/2	48/49	77/32	21/8	12/7	2/1
77/32	8/7	8/7	21/11	8/7	8/7		1/1	11/8	3/2	48/49	77/32	11/7	12/7	2/1
77/32	8/7	8/7	8/7	21/11	8/7	↓	1/1	11/8	44/49	48/49	77/32	11/7	12/7	2/1
77/32	8/7	8/7	8/7	8/7	21/11	(closing	1/1	11/8	44/49	48/49	77/32	11/7	352/343	2/1
8/7	77/32	8/7	21/11	8/7	8/7	Fifth)	1/1	11/8	3/2	48/49	8/7	11/7	12/7	2/1
8/7	77/32	8/7	8/7	21/11	8/7		1/1	11/8	44/49	48/49	8/7	11/7	12/7	2/1
8/7	77/32	8/7	8/7	8/7	21/11		1/1	11/8	44/49	48/49	8/7	11/7	352/343	2/1
8/7	8/7	77/32	8/7	21/11	8/7		1/1	32/49	44/49	48/49	8/7	11/7	12/7	2/1
8/7	8/7	77/32	8/7	8/7	21/11		1/1	32/49	44/49	48/49	8/7	11/7	352/343	2/1
8/7	8/7	8/7	77/32	8/7	21/11		1/1	32/49	44/49	48/49	8/7	256/343	352/343	2/1

Purvi Modulations

8/7	8/7	77/32	8/7	21/11	8/7	49/24	1/1	32/49	44/49	48/49	8/7	11/7	12/7	2/1
8/7	8/7	8/7	77/32	8/7	21/11		1/1	32/49	44/49	7/4	8/7	11/7	12/7	2/1
21/11	8/7	8/7	8/7	77/32	8/7	↓	1/1	32/49	44/49	7/4	8/7	11/7	11/6	2/1
8/7	21/11	8/7	8/7	8/7	77/32	(closing	1/1	32/49	77/48	7/4	8/7	11/7	11/6	2/1
77/32	8/7	21/11	8/7	8/7	8/7	Fifth)	1/1	32/49	77/48	7/4	8/7	4/3	11/6	2/1
8/7	77/32	8/7	21/11	8/7	8/7		1/1	7/6	77/48	7/4	8/7	4/3	11/6	2/1
8/7	8/7	77/32	8/7	21/11	8/7		1/1	7/6	77/48	7/4	49/24	4/3	11/6	2/1

Murchana Matrix

1/1	11/8	3/2	7/4	8/7	11/7	12/7
16/11	1/1	12/11	14/11	64/77	8/7	96/77
4/3	11/6	1/1	7/6	16/21	22/21	8/7
8/7	11/7	12/7	1/1	32/49	44/49	48/49
7/4	77/32	21/8	49/16	1/1	11/8	3/2
14/11	7/4	21/11	49/22	16/11	1/1	12/11
7/6	77/48	7/4	49/24	4/3	11/6	1/1

Hidden Murchana Matrix I

1/1	7/6	14/11	7/4	49/22	16/11
12/7	1/1	12/11	3/2	21/11	96/77
11/7	11/6	1/1	11/8	7/4	8/7
8/7	4/3	16/11	1/1	14/11	64/77
44/49	22/21	8/7	11/7	1/1	32/49
11/8	77/48	7/4	77/32	49/16	1/1

Hidden Murchana Matrix II

1/1	32/49	48/49	8/7	96/77	12/7
49/16	1/1	3/2	7/4	21/11	21/8
49/24	4/3	1/1	7/6	14/11	7/4
7/4	8/7	12/7	1/1	12/11	3/2
77/48	22/21	11/7	11/6	1/1	11/8
7/6	16/21	8/7	4/3	16/11	1/1

Genus:

1/1	11/8	7/4	9/4
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Marwa Permutations

99/32	8/9	63/22	8/9	8/9	8/9	81/28	1/1	11/8	7/4	56/81	99/32	63/16	14/9	2/1
99/32	8/9	8/9	63/22	8/9	8/9		1/1	11/8	7/4	56/81	99/32	11/9	14/9	2/1
99/32	8/9	8/9	8/9	63/22	8/9	↓	1/1	11/8	44/81	56/81	99/32	11/9	14/9	2/1
99/32	8/9	8/9	8/9	8/9	63/22	(closing	1/1	11/8	44/81	56/81	99/32	11/9	352/729	2/1
8/9	99/32	8/9	63/22	8/9	8/9	Fifth)	1/1	11/8	7/4	56/81	8/9	11/9	14/9	2/1
8/9	99/32	8/9	8/9	63/22	8/9		1/1	11/8	44/81	56/81	8/9	11/9	14/9	2/1
8/9	99/32	8/9	8/9	8/9	63/22		1/1	11/8	44/81	56/81	8/9	11/9	352/729	2/1
8/9	8/9	99/32	8/9	63/22	8/9		1/1	32/81	44/81	56/81	8/9	11/9	14/9	2/1
8/9	8/9	99/32	8/9	8/9	63/22		1/1	32/81	44/81	56/81	8/9	11/9	352/729	2/1
8/9	8/9	8/9	99/32	8/9	63/22		1/1	32/81	44/81	56/81	8/9	256/729	352/729	2/1

Purvi Modulations

8/9	8/9	99/32	8/9	63/22	8/9	81/28	1/1	32/81	44/81	56/81	8/9	11/9	14/9	2/1
8/9	8/9	8/9	99/32	8/9	63/22		1/1	32/81	44/81	9/4	8/9	11/9	14/9	2/1
63/22	8/9	8/9	8/9	99/32	8/9	↓	1/1	32/81	44/81	9/4	8/9	11/9	11/7	2/1
8/9	63/22	8/9	8/9	8/9	99/32	(closing	1/1	32/81	99/56	9/4	8/9	11/9	11/7	2/1
99/32	8/9	63/22	8/9	8/9	8/9	Fifth)	1/1	32/81	99/56	9/4	8/9	8/7	11/7	2/1
8/9	99/32	8/9	63/22	8/9	8/9		1/1	9/7	99/56	9/4	8/9	8/7	11/7	2/1
8/9	8/9	99/32	8/9	63/22	8/9		1/1	9/7	99/56	9/4	81/28	8/7	11/7	2/1

Murchana Matrix

1/1	11/8	7/4	9/4	8/9	11/9	14/9
16/11	1/1	14/11	18/11	64/99	8/9	112/99
8/7	11/7	1/1	9/7	32/63	44/63	8/9
8/9	11/9	14/9	1/1	32/81	44/81	56/81
9/4	99/32	63/16	81/16	1/1	11/8	7/4
18/11	9/4	63/22	81/22	16/11	1/1	14/11
9/7	99/56	9/4	81/28	8/7	11/7	1/1

Hidden Murchana Matrix I

1/1	9/7	18/11	9/4	81/22	16/11
14/9	1/1	14/11	7/4	63/22	112/99
11/9	11/7	1/1	11/8	9/4	8/9
8/9	8/7	16/11	1/1	18/11	64/99
44/81	44/63	8/9	11/9	1/1	32/81
11/8	99/56	9/4	99/32	81/16	1/1

Hidden Murchana Matrix II

1/1	32/81	56/81	8/9	112/99	14/9
81/16	1/1	7/4	9/4	63/22	63/16
81/28	8/7	1/1	9/7	18/11	9/4
9/4	8/9	14/9	1/1	14/11	7/4
99/56	44/63	11/9	11/7	1/1	11/8
9/7	32/63	8/9	8/7	16/11	1/1