Two-row exceptional (r,s) pairs (8 columns)

{(0.5, 0.041666666666666664),

(0.5, 0.08333333333333333),

(0.5, 0.09375),

(0.5, 0.1),

(0.5, 0.16666666666666666),

(0.5, 0.1875),

(0.5, 0.2),

(0.5, 0.3125),

(0.5, 0.3333333333333333),

(0.5, 0.375),

(0.5, 0.4),

(0.5, 0.4375),

(0.5, 0.5625),

(0.5, 0.625),

(0.5, 0.6666666666666666),

(0.5, 0.75),

(0.5, 0.8),

(0.5, 0.875),

(0.5, 0.8888888888888888),

(0.5, 0.9375),

(0.5, 1.0625),

(0.5, 1.125),

(0.5, 1.25),

(0.5, 1.3333333333333333),

(0.5, 1.5),

(0.5, 1.6),

(0.5, 1.75),

(0.5, 1.875),

(0.5, 1.9375),

(0.5, 2.125),

(0.5, 2.25),

(0.5, 2.5),

(0.5, 2.6666666666666665),

(0.5, 3.0),

(0.5, 3.2),

(0.5, 3.5),

(0.5, 3.75),

(0.5, 3.875),

(0.5, 4.25),

(0.5, 4.5),

(0.5, 5.0),

(0.5, 5.333333333333333),

(0.5, 6.0),

(0.5, 7.0),

(0.5, 7.5),

(0.5, 7.75),

(0.5, 8.5),

(0.5, 9.0),

(0.5, 10.0),

(0.5, 10.666666666666666),

(0.5, 12.0),

(0.5, 14.0),

(0.5, 15.0),

(0.5, 15.5),

(0.5, 18.0),

(0.5, 20.0),

(0.5, 21.333333333333332),

(0.5, 24.0),

(0.5, 28.0),

(0.5, 30.0),

(0.5, 40.0),

(0.5, 42.666666666666664),

(0.5, 48.0),

(0.5, 56.0),

(0.5, 96.0),

(0.6666666666666666, 0.09876543209876543),

(0.6666666666666666, 0.14814814814814803),

(0.6666666666666666, 0.2222222222222222),

(0.6666666666666666, 0.33333333333333326),

(0.6666666666666666, 0.3950617283950616),

(0.6666666666666666, 0.4999999999999999),

(0.6666666666666666, 0.5925925925925926),

(0.6666666666666666, 0.7499999999999999),

(0.6666666666666666, 0.8888888888888888),

(0.6666666666666666, 1.125),

(0.6666666666666666, 1.3333333333333335),

(0.6666666666666666, 1.6875),

(0.6666666666666666, 2.0000000000000004),

(0.6666666666666666, 2.5312500000000004),

(0.6666666666666666, 3.0000000000000004),

(0.6666666666666666, 4.500000000000002),

(0.6666666666666666, 6.750000000000002),

(0.6666666666666666, 10.125000000000005),

(1.5, 0.09876543209876543),

(1.5, 0.14814814814814814),

(1.5, 0.2222222222222222),

(1.5, 0.3333333333333333),

(1.5, 0.3950617283950617),

(1.5, 0.5),

(1.5, 0.5925925925925926),

(1.5, 0.75),

(1.5, 0.8888888888888888),

(1.5, 1.125),

(1.5, 1.3333333333333333),

(1.5, 1.6875),

(1.5, 2.0),

(1.5, 2.53125),

(1.5, 3.0),

(1.5, 4.5),

(1.5, 6.75),

(1.5, 10.125),

(2.0, 0.010416666666666666),

(2.0, 0.020833333333333332),

(2.0, 0.0234375),

(2.0, 0.041666666666666664),

(2.0, 0.046875),

(2.0, 0.05),

(2.0, 0.078125),

(2.0, 0.08333333333333333),

(2.0, 0.09375),

(2.0, 0.1),

(2.0, 0.109375),

(2.0, 0.1111111111111111),

(2.0, 0.15625),

(2.0, 0.16666666666666666),

(2.0, 0.1875),

(2.0, 0.2),

(2.0, 0.21875),

(2.0, 0.28125),

(2.0, 0.3125),

(2.0, 0.3333333333333333),

(2.0, 0.375),

(2.0, 0.4),

(2.0, 0.4375),

(2.0, 0.46875),

(2.0, 0.5625),

(2.0, 0.625),

(2.0, 0.6666666666666666),

(2.0, 0.75),

(2.0, 0.8),

(2.0, 0.875),

(2.0, 0.9375),

(2.0, 1.0625),

(2.0, 1.125),

(2.0, 1.25),

(2.0, 1.3333333333333333),

(2.0, 1.5),

(2.0, 1.6),

(2.0, 1.75),

(2.0, 1.875),

(2.0, 1.9375),

(2.0, 2.125),

(2.0, 2.25),

(2.0, 2.5),

(2.0, 2.6666666666666665),

(2.0, 3.0),

(2.0, 3.5),

(2.0, 3.75),

(2.0, 3.875),

(2.0, 4.25),

(2.0, 4.5),

(2.0, 5.0),

(2.0, 5.333333333333333),

(2.0, 6.0),

(2.0, 7.0),

(2.0, 7.5),

(2.0, 7.75),

(2.0, 7.875),

(2.0, 8.5),

(2.0, 9.0),

(2.0, 10.0),

(2.0, 10.666666666666666),

(2.0, 12.0),

(2.0, 14.0),

(2.0, 15.0),

(2.0, 15.5),

(2.0, 15.75),

(2.0, 17.0),

(2.0, 18.0),

(2.0, 20.0),

(2.0, 24.0),

(2.0, 28.0),

(2.0, 30.0),

(2.0, 31.0),

(2.0, 31.5),

(2.0, 56.0),

(2.0, 60.0),

(2.0, 62.0),

(2.0, 63.0)}

Exceptional (r,s) pairs (4 columns)

{(5/4, 6/5),

 (5/4, 3/2),

 (5/4, 8/5),

 (5/4, 2),

 (5/4, 5/2),

 (4/3, 9/8),

 (4/3, 8/7),

 (4/3, 7/6),

 (4/3, 3/2),

 (4/3, 2),

 (4/3, 8/3),

 (3/2, 9/8),

 (3/2, 6/5),

 (3/2, 5/4),

 (3/2, 4/3),

 (3/2, 2),

 (3/2, 8/3),

 (3/2, 3),

 (3/2, 4),

 (3/2, 9/2),

 (3/2, 6),

 (5/3, 7/5),

 (5/3, 9/5),

 (5/3, 7/3),

 (5/3, 3),

(5/3, 5),

(9/5, 5/3),

(9/5, 3),

(9/5, 27/5),

(2, 9/8),

(2, 8/7),

(2, 5/4),

(2, 4/3),

(2, 3/2),

(2, 8/5),

(2, 7/4),

(2, 2),

(2, 9/4),

(2, 5/2),

(2, 8/3),

(2, 3),

(2, 7/2),

(2, 9/2),

(2, 5),

(2, 6),

(2, 7),

(5/2, 5/4),

(5/2, 8/5),

(5/2, 2),

(5/2, 4),

(5/2, 5),

(5/2, 10),

(3, 4/3),

(3, 3/2),

(3, 5/3),

(3, 9/5),

(3, 2),

(3, 4),

(3, 9/2),

(3, 5),

(3, 27/5),

(3, 6),

(3, 15),

(4, 3/2),

(4, 8/5),

(4, 7/4),

(4, 5/2),

(4, 8/3),

(4, 6),

(4, 7),

(4, 10),

(5, 5/3),

(5, 9/5),

(5, 3),

(5, 9),

(5, 15)}

ABRIDGED BAD DICTIONARY

{(0, 1, 1, 0, 0, 1): [(0, 3, 0, 1, 0, 2, 1, 0),

(0, 3, 0, 1, 2, 0, 1, 0),

(0, 3, 1, 0, 0, 2, 1, 0),

(0, 3, 1, 0, 2, 0, 1, 0),

(0, 3, 1, 2, 0, 2, 1, 1),

(0, 3, 1, 2, 2, 0, 1, 1),

(0, 3, 2, 1, 0, 2, 1, 1),

(0, 3, 2, 1, 2, 0, 1, 1),

(0, 3, 2, 3, 0, 2, 1, 2),

(0, 3, 2, 3, 2, 0, 1, 2),

(0, 3, 3, 2, 0, 2, 1, 2),

(0, 3, 3, 2, 2, 0, 1, 2),

(3, 0, 0, 1, 0, 2, 1, 0),

(3, 0, 0, 1, 2, 0, 1, 0),

(3, 0, 1, 0, 0, 2, 1, 0),

(3, 0, 1, 0, 2, 0, 1, 0),

(3, 0, 1, 2, 0, 2, 1, 1),

(3, 0, 1, 2, 2, 0, 1, 1),

(3, 0, 2, 1, 0, 2, 1, 1),

(3, 0, 2, 1, 2, 0, 1, 1),

(3, 0, 2, 3, 0, 2, 1, 2),

(3, 0, 2, 3, 2, 0, 1, 2),

(3, 0, 3, 2, 0, 2, 1, 2),

(3, 0, 3, 2, 2, 0, 1, 2)],

(0, 1, 1, 1, 1, 1): [(0, 1, 0, 3, 0, 1, 0, 2),

(0, 1, 0, 3, 0, 1, 2, 0),

(0, 1, 3, 0, 0, 1, 0, 2),

(0, 1, 3, 0, 0, 1, 2, 0),

(1, 0, 0, 3, 0, 1, 0, 2),

(1, 0, 0, 3, 0, 1, 2, 0),

(1, 0, 3, 0, 0, 1, 0, 2),

(1, 0, 3, 0, 0, 1, 2, 0),

(1, 2, 0, 3, 1, 1, 0, 2),

(1, 2, 0, 3, 1, 1, 2, 0),

(1, 2, 3, 0, 1, 1, 0, 2),

(1, 2, 3, 0, 1, 1, 2, 0),

(2, 1, 0, 3, 1, 1, 0, 2),

(2, 1, 0, 3, 1, 1, 2, 0),

(2, 1, 3, 0, 1, 1, 0, 2),

(2, 1, 3, 0, 1, 1, 2, 0),

(2, 3, 0, 3, 2, 1, 0, 2),

(2, 3, 0, 3, 2, 1, 2, 0),

(2, 3, 3, 0, 2, 1, 0, 2),

(2, 3, 3, 0, 2, 1, 2, 0),

(3, 2, 0, 3, 2, 1, 0, 2),

(3, 2, 0, 3, 2, 1, 2, 0),

(3, 2, 3, 0, 2, 1, 0, 2),

(3, 2, 3, 0, 2, 1, 2, 0)],

(1, 0, 1, 1, 2, 2): [(0, 0, 1, 2, 0, 0, 1, 2),

(0, 0, 1, 2, 0, 0, 2, 1),

(0, 0, 1, 2, 0, 1, 0, 1),

(0, 0, 1, 2, 0, 1, 1, 0),

(0, 1, 1, 3, 0, 2, 2, 3),

(0, 1, 1, 3, 0, 2, 3, 2),

(1, 0, 2, 2, 1, 0, 0, 1),

(1, 0, 2, 2, 1, 0, 1, 0),

(1, 0, 2, 2, 2, 2, 0, 1),

(1, 0, 2, 2, 2, 2, 1, 0),

(1, 2, 0, 0, 0, 0, 1, 2),

(1, 2, 0, 0, 0, 0, 2, 1),

(1, 2, 0, 0, 0, 1, 0, 1),

(1, 2, 0, 0, 0, 1, 1, 0),

(1, 3, 0, 1, 0, 2, 2, 3),

(1, 3, 0, 1, 0, 2, 3, 2),

(2, 0, 3, 2, 3, 1, 0, 1),

(2, 0, 3, 2, 3, 1, 1, 0),

(2, 2, 1, 0, 1, 0, 0, 1),

(2, 2, 1, 0, 1, 0, 1, 0),

(2, 2, 1, 0, 2, 2, 0, 1),

(2, 2, 1, 0, 2, 2, 1, 0),

(3, 2, 2, 0, 3, 1, 0, 1),

(3, 2, 2, 0, 3, 1, 1, 0)],

(1, 0, 1, 0, 1, 2): [(0, 0, 2, 1, 0, 1, 1, 0),

(0, 0, 2, 1, 1, 0, 1, 0),

(0, 0, 2, 1, 1, 2, 0, 0),

(0, 0, 2, 1, 2, 1, 0, 0),

(0, 1, 2, 2, 0, 1, 0, 1),

(0, 1, 2, 2, 0, 1, 2, 2),

(0, 1, 2, 2, 1, 0, 0, 1),

(0, 1, 2, 2, 1, 0, 2, 2),

(0, 2, 2, 3, 0, 1, 1, 3),

(0, 2, 2, 3, 1, 0, 1, 3),

(1, 0, 3, 1, 2, 3, 2, 0),

(1, 0, 3, 1, 3, 2, 2, 0),

(2, 1, 0, 0, 0, 1, 1, 0),

(2, 1, 0, 0, 1, 0, 1, 0),

(2, 1, 0, 0, 1, 2, 0, 0),

(2, 1, 0, 0, 2, 1, 0, 0),

(2, 2, 0, 1, 0, 1, 0, 1),

(2, 2, 0, 1, 0, 1, 2, 2),

(2, 2, 0, 1, 1, 0, 0, 1),

(2, 2, 0, 1, 1, 0, 2, 2),

(2, 3, 0, 2, 0, 1, 1, 3),

(2, 3, 0, 2, 1, 0, 1, 3),

(3, 1, 1, 0, 2, 3, 2, 0),

(3, 1, 1, 0, 3, 2, 2, 0)],

(0, 2, 2, 0, 0, 2): [(0, 3, 0, 1, 0, 2, 1, 0),

(0, 3, 0, 1, 2, 0, 1, 0),

(0, 3, 1, 0, 0, 2, 1, 0),

(0, 3, 1, 0, 2, 0, 1, 0),

(0, 3, 1, 2, 0, 2, 1, 1),

(0, 3, 1, 2, 2, 0, 1, 1),

(0, 3, 2, 1, 0, 2, 1, 1),

(0, 3, 2, 1, 2, 0, 1, 1),

(0, 3, 2, 3, 0, 2, 1, 2),

(0, 3, 2, 3, 2, 0, 1, 2),

(0, 3, 3, 2, 0, 2, 1, 2),

(0, 3, 3, 2, 2, 0, 1, 2),

(3, 0, 0, 1, 0, 2, 1, 0),

(3, 0, 0, 1, 2, 0, 1, 0),

(3, 0, 1, 0, 0, 2, 1, 0),

(3, 0, 1, 0, 2, 0, 1, 0),

(3, 0, 1, 2, 0, 2, 1, 1),

(3, 0, 1, 2, 2, 0, 1, 1),

(3, 0, 2, 1, 0, 2, 1, 1),

(3, 0, 2, 1, 2, 0, 1, 1),

(3, 0, 2, 3, 0, 2, 1, 2),

(3, 0, 2, 3, 2, 0, 1, 2),

(3, 0, 3, 2, 0, 2, 1, 2),

(3, 0, 3, 2, 2, 0, 1, 2)],

(0, 2, 2, 2, 2, 2): [(0, 1, 0, 3, 0, 1, 0, 2),

(0, 1, 0, 3, 0, 1, 2, 0),

(0, 1, 3, 0, 0, 1, 0, 2),

(0, 1, 3, 0, 0, 1, 2, 0),

(1, 0, 0, 3, 0, 1, 0, 2),

(1, 0, 0, 3, 0, 1, 2, 0),

(1, 0, 3, 0, 0, 1, 0, 2),

(1, 0, 3, 0, 0, 1, 2, 0),

(1, 2, 0, 3, 1, 1, 0, 2),

(1, 2, 0, 3, 1, 1, 2, 0),

(1, 2, 3, 0, 1, 1, 0, 2),

(1, 2, 3, 0, 1, 1, 2, 0),

(2, 1, 0, 3, 1, 1, 0, 2),

(2, 1, 0, 3, 1, 1, 2, 0),

(2, 1, 3, 0, 1, 1, 0, 2),

(2, 1, 3, 0, 1, 1, 2, 0),

(2, 3, 0, 3, 2, 1, 0, 2),

(2, 3, 0, 3, 2, 1, 2, 0),

(2, 3, 3, 0, 2, 1, 0, 2),

(2, 3, 3, 0, 2, 1, 2, 0),

(3, 2, 0, 3, 2, 1, 0, 2),

(3, 2, 0, 3, 2, 1, 2, 0),

(3, 2, 3, 0, 2, 1, 0, 2),

(3, 2, 3, 0, 2, 1, 2, 0)],

(2, 0, 2, 2, 0, 2): [(0, 0, 1, 1, 0, 0, 2, 2),

(0, 0, 1, 1, 0, 0, 3, 3),

(0, 0, 1, 1, 2, 2, 0, 0),

(0, 0, 1, 1, 3, 3, 0, 0),

(0, 0, 2, 2, 0, 0, 1, 1),

(0, 0, 2, 2, 0, 0, 3, 3),

(0, 0, 2, 2, 1, 1, 0, 0),

(0, 0, 2, 2, 3, 3, 0, 0),

(0, 0, 3, 3, 0, 0, 1, 1),

(0, 0, 3, 3, 0, 0, 2, 2),

(0, 0, 3, 3, 1, 1, 0, 0),

(0, 0, 3, 3, 2, 2, 0, 0),

(0, 1, 1, 2, 0, 1, 2, 3),

(0, 1, 1, 2, 2, 3, 0, 1),

(0, 1, 2, 3, 0, 1, 1, 2),

(0, 1, 2, 3, 1, 2, 0, 1),

(1, 0, 2, 1, 1, 0, 3, 2),

(1, 0, 2, 1, 3, 2, 1, 0),

(1, 0, 3, 2, 1, 0, 2, 1),

(1, 0, 3, 2, 2, 1, 1, 0),

(1, 1, 0, 0, 0, 0, 2, 2),

(1, 1, 0, 0, 0, 0, 3, 3),

(1, 1, 0, 0, 2, 2, 0, 0),

(1, 1, 0, 0, 3, 3, 0, 0),

(1, 2, 0, 1, 0, 1, 2, 3),

(1, 2, 0, 1, 2, 3, 0, 1),

(2, 1, 1, 0, 1, 0, 3, 2),

(2, 1, 1, 0, 3, 2, 1, 0),

(2, 2, 0, 0, 0, 0, 1, 1),

(2, 2, 0, 0, 0, 0, 3, 3),

(2, 2, 0, 0, 1, 1, 0, 0),

(2, 2, 0, 0, 3, 3, 0, 0),

(2, 3, 0, 1, 0, 1, 1, 2),

(2, 3, 0, 1, 1, 2, 0, 1),

(3, 2, 1, 0, 1, 0, 2, 1),

(3, 2, 1, 0, 2, 1, 1, 0),

(3, 3, 0, 0, 0, 0, 1, 1),

(3, 3, 0, 0, 0, 0, 2, 2),

(3, 3, 0, 0, 1, 1, 0, 0),

(3, 3, 0, 0, 2, 2, 0, 0)],

(1, 1, 2, 2, 1, 1): [(0, 0, 3, 3, 0, 3, 0, 3),

(0, 0, 3, 3, 0, 3, 3, 0),

(3, 3, 0, 0, 3, 0, 0, 3),

(3, 3, 0, 0, 3, 0, 3, 0)],

(1, 2, 2, 1, 2, 2): [(0, 0, 1, 2, 0, 1, 0, 1),

(0, 0, 1, 2, 0, 1, 1, 0),

(0, 0, 2, 1, 0, 1, 0, 1),

(0, 0, 2, 1, 0, 1, 1, 0),

(0, 1, 0, 1, 0, 0, 1, 2),

(0, 1, 0, 1, 0, 0, 2, 1),

(0, 1, 1, 0, 0, 0, 1, 2),

(0, 1, 1, 0, 0, 0, 2, 1),

(1, 0, 1, 3, 2, 3, 0, 2),

(1, 0, 1, 3, 2, 3, 2, 0),

(1, 0, 3, 1, 2, 3, 0, 2),

(1, 0, 3, 1, 2, 3, 2, 0),

(2, 3, 0, 2, 1, 0, 1, 3),

(2, 3, 0, 2, 1, 0, 3, 1),

(2, 3, 2, 0, 1, 0, 1, 3),

(2, 3, 2, 0, 1, 0, 3, 1)],

(0, 1, 2, 0, 1, 2): [(0, 1, 1, 0, 1, 2, 0, 0),

(0, 1, 1, 0, 2, 1, 0, 0),

(0, 2, 3, 2, 1, 3, 0, 1),

(0, 2, 3, 2, 3, 1, 0, 1),

(1, 0, 1, 0, 1, 2, 0, 0),

(1, 0, 1, 0, 2, 1, 0, 0),

(1, 2, 0, 0, 0, 1, 1, 0),

(1, 2, 0, 0, 1, 0, 1, 0),

(1, 3, 0, 1, 0, 2, 3, 2),

(1, 3, 0, 1, 2, 0, 3, 2),

(2, 0, 3, 2, 1, 3, 0, 1),

(2, 0, 3, 2, 3, 1, 0, 1),

(2, 1, 0, 0, 0, 1, 1, 0),

(2, 1, 0, 0, 1, 0, 1, 0),

(3, 1, 0, 1, 0, 2, 3, 2),

(3, 1, 0, 1, 2, 0, 3, 2)]}

COLLISION DICTIONARY

{(0, 1, 1, 0, 1, 1): [(2, 3/2, 0, 1, 0, 0, 0, 3, 1, 2),

(2, 3/2, 0, 1, 0, 0, 0, 3, 2, 1),

(2, 3/2, 0, 1, 0, 0, 3, 0, 1, 2),

(2, 3/2, 0, 1, 0, 0, 3, 0, 2, 1),

(2, 3, 0, 3, 0, 1, 1, 2, 0, 0),

(2, 3, 0, 3, 0, 1, 2, 1, 0, 0),

(2, 3, 0, 3, 1, 0, 1, 2, 0, 0),

(2, 3, 0, 3, 1, 0, 2, 1, 0, 0),

(2, 3/2, 0, 3, 1, 2, 0, 1, 0, 0),

(2, 3/2, 0, 3, 1, 2, 1, 0, 0, 0),

(2, 3/2, 0, 3, 2, 1, 0, 1, 0, 0),

(2, 3/2, 0, 3, 2, 1, 1, 0, 0, 0),

(2, 3/2, 1, 0, 0, 0, 0, 3, 1, 2),

(2, 3/2, 1, 0, 0, 0, 0, 3, 2, 1),

(2, 3/2, 1, 0, 0, 0, 3, 0, 1, 2),

(2, 3/2, 1, 0, 0, 0, 3, 0, 2, 1),

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

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

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

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

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

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

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

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

(2, 3, 1, 2, 0, 0, 0, 3, 0, 1),

(2, 3, 1, 2, 0, 0, 0, 3, 1, 0),

(2, 3, 1, 2, 0, 0, 3, 0, 0, 1),

(2, 3, 1, 2, 0, 0, 3, 0, 1, 0),

(2, 3, 2, 1, 0, 0, 0, 3, 0, 1),

(2, 3, 2, 1, 0, 0, 0, 3, 1, 0),

(2, 3, 2, 1, 0, 0, 3, 0, 0, 1),

(2, 3, 2, 1, 0, 0, 3, 0, 1, 0),

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

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

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

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

(2, 3, 3, 0, 0, 1, 1, 2, 0, 0),

(2, 3, 3, 0, 0, 1, 2, 1, 0, 0),

(2, 3, 3, 0, 1, 0, 1, 2, 0, 0),

(2, 3, 3, 0, 1, 0, 2, 1, 0, 0),

(2, 3/2, 3, 0, 1, 2, 0, 1, 0, 0),

(2, 3/2, 3, 0, 1, 2, 1, 0, 0, 0),

(2, 3/2, 3, 0, 2, 1, 0, 1, 0, 0),

(2, 3/2, 3, 0, 2, 1, 1, 0, 0, 0),

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

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

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

(2, 4/3, 3, 2, 3, 0, 1, 1, 1, 0)],

(0, 1, 1, 0, 0, 1): [(2, 3/2, 0, 1, 0, 0, 0, 2, 1, 1),

(2, 3/2, 0, 1, 0, 0, 1, 1, 0, 1),

(2, 3/2, 0, 1, 0, 0, 2, 0, 1, 1),

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

(3, 5, 0, 2, 0, 0, 1, 1, 0, 0),

(2, 5/2, 0, 2, 0, 0, 1, 2, 0, 1),

(2, 5/2, 0, 2, 0, 0, 2, 1, 0, 1),

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

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

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

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

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

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

(2, 9/2, 0, 3, 0, 0, 1, 3, 0, 1),

(2, 9/2, 0, 3, 0, 0, 3, 1, 0, 1),

(2, 3, 0, 3, 0, 1, 1, 1, 0, 0),

(2, 3, 0, 3, 1, 0, 1, 1, 0, 0),

(2, 9/4, 0, 3, 1, 1, 1, 3, 0, 2),

(2, 9/4, 0, 3, 1, 1, 3, 1, 0, 2),

(2, 3/2, 0, 3, 1, 2, 1, 1, 0, 1),

(2, 3/2, 0, 3, 2, 1, 1, 1, 0, 1),

(2, 9/8, 0, 3, 2, 2, 1, 3, 0, 3),

(2, 9/8, 0, 3, 2, 2, 3, 1, 0, 3),

(2, 3/2, 1, 0, 0, 0, 0, 2, 1, 1),

(2, 3/2, 1, 0, 0, 0, 1, 1, 0, 1),

(2, 3/2, 1, 0, 0, 0, 2, 0, 1, 1),

(2, 3, 1, 2, 0, 0, 0, 2, 1, 0),

(2, 3, 1, 2, 0, 0, 1, 1, 0, 0),

(2, 3, 1, 2, 0, 0, 2, 0, 1, 0),

(2, 5, 1, 3, 0, 0, 0, 3, 2, 0),

(2, 5, 1, 3, 0, 0, 1, 2, 0, 0),

(2, 5, 1, 3, 0, 0, 2, 1, 0, 0),

(3, 15, 1, 3, 0, 0, 2, 2, 1, 0),

(2, 5, 1, 3, 0, 0, 3, 0, 2, 0),

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

(3, 5, 2, 0, 0, 0, 1, 1, 0, 0),

(2, 5/2, 2, 0, 0, 0, 1, 2, 0, 1),

(2, 5/2, 2, 0, 0, 0, 2, 1, 0, 1),

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

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

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

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

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

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

(2, 3, 2, 1, 0, 0, 0, 2, 1, 0),

(2, 3, 2, 1, 0, 0, 1, 1, 0, 0),

(2, 3, 2, 1, 0, 0, 2, 0, 1, 0),

(2, 6, 2, 3, 0, 0, 1, 3, 2, 0),

(2, 6, 2, 3, 0, 0, 2, 2, 1, 0),

(2, 6, 2, 3, 0, 0, 3, 1, 2, 0),

(2, 9/2, 3, 0, 0, 0, 1, 3, 0, 1),

(2, 9/2, 3, 0, 0, 0, 3, 1, 0, 1),

(2, 3, 3, 0, 0, 1, 1, 1, 0, 0),

(2, 3, 3, 0, 1, 0, 1, 1, 0, 0),

(2, 9/4, 3, 0, 1, 1, 1, 3, 0, 2),

(2, 9/4, 3, 0, 1, 1, 3, 1, 0, 2),

(2, 3/2, 3, 0, 1, 2, 1, 1, 0, 1),

(2, 3/2, 3, 0, 2, 1, 1, 1, 0, 1),

(2, 9/8, 3, 0, 2, 2, 1, 3, 0, 3),

(2, 9/8, 3, 0, 2, 2, 3, 1, 0, 3),

(2, 5, 3, 1, 0, 0, 0, 3, 2, 0),

(2, 5, 3, 1, 0, 0, 1, 2, 0, 0),

(2, 5, 3, 1, 0, 0, 2, 1, 0, 0),

(3, 15, 3, 1, 0, 0, 2, 2, 1, 0),

(2, 5, 3, 1, 0, 0, 3, 0, 2, 0),

(2, 6, 3, 2, 0, 0, 1, 3, 2, 0),

(2, 6, 3, 2, 0, 0, 2, 2, 1, 0),

(2, 6, 3, 2, 0, 0, 3, 1, 2, 0)],

(0, 1, 1, 1, 1, 1): [(2, 4/3, 1, 1, 0, 1, 2, 0, 1, 1),

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

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

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

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

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

(2, 8/3, 2, 2, 0, 1, 3, 0, 1, 1),

(2, 8/3, 2, 2, 0, 1, 3, 1, 0, 2),

(2, 8/3, 2, 2, 0, 1, 3, 1, 2, 0),

(3, 9/5, 2, 2, 0, 2, 2, 0, 1, 1),

(2, 8/5, 2, 2, 0, 2, 3, 0, 1, 2),

(2, 8/5, 2, 2, 0, 2, 3, 0, 2, 1),

(2, 8/5, 2, 2, 0, 2, 3, 2, 0, 3),

(2, 8/5, 2, 2, 0, 2, 3, 2, 3, 0),

(2, 8/3, 2, 2, 1, 0, 3, 0, 1, 1),

(2, 8/3, 2, 2, 1, 0, 3, 1, 0, 2),

(2, 8/3, 2, 2, 1, 0, 3, 1, 2, 0),

(3, 9/5, 2, 2, 2, 0, 2, 0, 1, 1),

(2, 8/5, 2, 2, 2, 0, 3, 0, 1, 2),

(2, 8/5, 2, 2, 2, 0, 3, 0, 2, 1),

(2, 8/5, 2, 2, 2, 0, 3, 2, 0, 3),

(2, 8/5, 2, 2, 2, 0, 3, 2, 3, 0),

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

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

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

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

(3, 27/5, 3, 3, 0, 2, 3, 0, 1, 1),

(3, 27/5, 3, 3, 2, 0, 3, 0, 1, 1)],

(0, 1, 1, 1, 0, 1): [(2, 3/2, 0, 1, 0, 0, 0, 2, 2, 1),

(2, 3/2, 0, 1, 0, 0, 2, 1, 0, 2),

(2, 3, 0, 3, 0, 1, 0, 1, 2, 0),

(2, 3, 0, 3, 0, 1, 2, 0, 0, 1),

(2, 3, 0, 3, 1, 0, 0, 1, 2, 0),

(2, 3, 0, 3, 1, 0, 2, 0, 0, 1),

(2, 3/2, 0, 3, 1, 2, 0, 2, 2, 1),

(2, 3/2, 0, 3, 1, 2, 2, 1, 0, 2),

(2, 3/2, 0, 3, 2, 1, 0, 2, 2, 1),

(2, 3/2, 0, 3, 2, 1, 2, 1, 0, 2),

(2, 3/2, 1, 0, 0, 0, 0, 2, 2, 1),

(2, 3/2, 1, 0, 0, 0, 2, 1, 0, 2),

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

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

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

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

(2, 3, 1, 2, 0, 0, 0, 1, 2, 0),

(2, 3, 1, 2, 0, 0, 2, 0, 0, 1),

(2, 3, 2, 1, 0, 0, 0, 1, 2, 0),

(2, 3, 2, 1, 0, 0, 2, 0, 0, 1),

(2, 6, 2, 3, 0, 0, 1, 1, 3, 0),

(2, 6, 2, 3, 0, 0, 3, 0, 1, 1),

(2, 4/3, 2, 3, 0, 3, 2, 2, 3, 0),

(2, 4/3, 2, 3, 0, 3, 3, 0, 2, 2),

(2, 4/3, 2, 3, 3, 0, 2, 2, 3, 0),

(2, 4/3, 2, 3, 3, 0, 3, 0, 2, 2),

(2, 3, 3, 0, 0, 1, 0, 1, 2, 0),

(2, 3, 3, 0, 0, 1, 2, 0, 0, 1),

(2, 3, 3, 0, 1, 0, 0, 1, 2, 0),

(2, 3, 3, 0, 1, 0, 2, 0, 0, 1),

(2, 3/2, 3, 0, 1, 2, 0, 2, 2, 1),

(2, 3/2, 3, 0, 1, 2, 2, 1, 0, 2),

(2, 3/2, 3, 0, 2, 1, 0, 2, 2, 1),

(2, 3/2, 3, 0, 2, 1, 2, 1, 0, 2),

(2, 6, 3, 2, 0, 0, 1, 1, 3, 0),

(2, 6, 3, 2, 0, 0, 3, 0, 1, 1),

(2, 4/3, 3, 2, 0, 3, 2, 2, 3, 0),

(2, 4/3, 3, 2, 0, 3, 3, 0, 2, 2),

(2, 4/3, 3, 2, 3, 0, 2, 2, 3, 0),

(2, 4/3, 3, 2, 3, 0, 3, 0, 2, 2)],

(0, 1, 1, 0, 2, 2): [(2, 3/2, 0, 1, 0, 0, 0, 3, 1, 1),

(2, 3/2, 0, 1, 0, 0, 3, 0, 1, 1),

(2, 3/2, 1, 0, 0, 0, 0, 3, 1, 1),

(2, 3/2, 1, 0, 0, 0, 3, 0, 1, 1),

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

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

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

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

(2, 4/3, 2, 3, 0, 3, 3, 3, 0, 3),

(2, 4/3, 2, 3, 0, 3, 3, 3, 3, 0),

(2, 4/3, 2, 3, 3, 0, 3, 3, 0, 3),

(2, 4/3, 2, 3, 3, 0, 3, 3, 3, 0),

(2, 4/3, 3, 2, 0, 3, 3, 3, 0, 3),

(2, 4/3, 3, 2, 0, 3, 3, 3, 3, 0),

(2, 4/3, 3, 2, 3, 0, 3, 3, 0, 3),

(2, 4/3, 3, 2, 3, 0, 3, 3, 3, 0)],

(0, 1, 1, 0, 0, 2): [(5, 3, 0, 1, 0, 0, 1, 1, 0, 0),

(2, 3/2, 0, 1, 0, 0, 1, 3, 0, 2),

(2, 3/2, 0, 1, 0, 0, 3, 1, 0, 2),

(3, 5, 0, 2, 0, 0, 0, 3, 1, 0),

(3, 5, 0, 2, 0, 0, 3, 0, 1, 0),

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

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

(2, 3, 0, 3, 0, 1, 1, 3, 0, 0),

(2, 3, 0, 3, 0, 1, 3, 1, 0, 0),

(2, 3, 0, 3, 1, 0, 1, 3, 0, 0),

(2, 3, 0, 3, 1, 0, 3, 1, 0, 0),

(2, 3/2, 0, 3, 1, 2, 1, 3, 0, 2),

(2, 3/2, 0, 3, 1, 2, 3, 1, 0, 2),

(2, 3/2, 0, 3, 2, 1, 1, 3, 0, 2),

(2, 3/2, 0, 3, 2, 1, 3, 1, 0, 2),

(5, 3, 1, 0, 0, 0, 1, 1, 0, 0),

(2, 3/2, 1, 0, 0, 0, 1, 3, 0, 2),

(2, 3/2, 1, 0, 0, 0, 3, 1, 0, 2),

(2, 3, 1, 2, 0, 0, 1, 3, 0, 0),

(2, 3, 1, 2, 0, 0, 3, 1, 0, 0),

(5, 15, 1, 2, 0, 0, 3, 3, 2, 0),

(3, 5, 2, 0, 0, 0, 0, 3, 1, 0),

(3, 5, 2, 0, 0, 0, 3, 0, 1, 0),

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

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

(2, 3, 2, 1, 0, 0, 1, 3, 0, 0),

(2, 3, 2, 1, 0, 0, 3, 1, 0, 0),

(5, 15, 2, 1, 0, 0, 3, 3, 2, 0),

(2, 3, 3, 0, 0, 1, 1, 3, 0, 0),

(2, 3, 3, 0, 0, 1, 3, 1, 0, 0),

(2, 3, 3, 0, 1, 0, 1, 3, 0, 0),

(2, 3, 3, 0, 1, 0, 3, 1, 0, 0),

(2, 3/2, 3, 0, 1, 2, 1, 3, 0, 2),

(2, 3/2, 3, 0, 1, 2, 3, 1, 0, 2),

(2, 3/2, 3, 0, 2, 1, 1, 3, 0, 2),

(2, 3/2, 3, 0, 2, 1, 3, 1, 0, 2)],

(0, 1, 1, 2, 2, 2): [(5, 5/3, 1, 1, 0, 1, 2, 0, 1, 1),

(5, 5/3, 1, 1, 1, 0, 2, 0, 1, 1)],

(0, 1, 1, 2, 0, 2): [(3, 2, 0, 1, 0, 0, 0, 1, 2, 0),

(3, 2, 0, 1, 0, 0, 2, 0, 0, 1),

(3, 2, 1, 0, 0, 0, 0, 1, 2, 0),

(3, 2, 1, 0, 0, 0, 2, 0, 0, 1),

(3, 3/2, 1, 1, 0, 1, 2, 2, 3, 0),

(3, 3/2, 1, 1, 0, 1, 3, 0, 2, 2),

 (3, 3/2, 1, 1, 1, 0, 2, 2, 3, 0),

 (3, 3/2, 1, 1, 1, 0, 3, 0, 2, 2)],

(0, 1, 1, 1, 1, 2): [],

(0, 1, 1, 2, 1, 1): [],

(0, 1, 1, 1, 2, 2): [(3, 3/2, 1, 1, 0, 1, 1, 0, 0, 0),

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

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

 (3, 3/2, 1, 1, 0, 1, 2, 2, 0, 2),

 (3, 3/2, 1, 1, 0, 1, 2, 2, 2, 0),

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

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

 (4/3, 8/7, 1, 1, 0, 1, 3, 2, 0, 3),

 (4/3, 8/7, 1, 1, 0, 1, 3, 2, 3, 0),

 (4, 8/5, 1, 1, 0, 1, 3, 3, 0, 3),

 (4, 8/5, 1, 1, 0, 1, 3, 3, 3, 0),

 (3, 3/2, 1, 1, 1, 0, 1, 0, 0, 0),

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

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

 (3, 3/2, 1, 1, 1, 0, 2, 2, 0, 2),

 (3, 3/2, 1, 1, 1, 0, 2, 2, 2, 0),

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

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

 (4/3, 8/7, 1, 1, 1, 0, 3, 2, 0, 3),

 (4/3, 8/7, 1, 1, 1, 0, 3, 2, 3, 0),

 (4, 8/5, 1, 1, 1, 0, 3, 3, 0, 3),

(4, 8/5, 1, 1, 1, 0, 3, 3, 3, 0),

(3, 9/2, 2, 2, 0, 1, 3, 1, 0, 0),

(3, 9/5, 2, 2, 0, 2, 3, 1, 0, 2),

(3, 9/5, 2, 2, 0, 2, 3, 1, 2, 0),

(3, 9/2, 2, 2, 1, 0, 3, 1, 0, 0),

(3, 9/5, 2, 2, 2, 0, 3, 1, 0, 2),

(3, 9/5, 2, 2, 2, 0, 3, 1, 2, 0),

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

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

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

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

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

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

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

(2, 4/3, 3, 2, 3, 0, 2, 0, 1, 0)],

(0, 1, 1, 2, 1, 2): [(3, 3/2, 1, 1, 0, 1, 2, 0, 1, 1),

(3, 3/2, 1, 1, 0, 1, 2, 1, 2, 0),

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

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

(4, 8/5, 1, 1, 0, 1, 3, 0, 2, 2),

(4, 8/5, 1, 1, 0, 1, 3, 2, 3, 0),

(3, 3/2, 1, 1, 1, 0, 2, 0, 1, 1),

(3, 3/2, 1, 1, 1, 0, 2, 1, 2, 0),

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

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

(4, 8/5, 1, 1, 1, 0, 3, 0, 2, 2),

(4, 8/5, 1, 1, 1, 0, 3, 2, 3, 0),

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

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

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

(2, 4/3, 3, 2, 3, 0, 3, 0, 1, 2)],

(0, 1, 1, 0, 1, 2): [(3, 2, 0, 1, 0, 0, 0, 2, 1, 0),

(4/3, 7/6, 0, 1, 0, 0, 0, 3, 1, 1),

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

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

(3, 2, 0, 1, 0, 0, 1, 1, 0, 0),

(2, 3/2, 0, 1, 0, 0, 1, 2, 0, 1),

(3, 2, 0, 1, 0, 0, 2, 0, 1, 0),

(2, 3/2, 0, 1, 0, 0, 2, 1, 0, 1),

(4/3, 7/6, 0, 1, 0, 0, 3, 0, 1, 1),

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

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

(3, 5, 0, 2, 0, 0, 1, 3, 0, 0),

(3, 5, 0, 2, 0, 0, 3, 1, 0, 0),

(2, 3, 0, 3, 0, 1, 2, 3, 0, 0),

(2, 3, 0, 3, 0, 1, 3, 2, 0, 0),

(2, 3, 0, 3, 1, 0, 2, 3, 0, 0),

(2, 3, 0, 3, 1, 0, 3, 2, 0, 0),

(2, 3/2, 0, 3, 1, 2, 1, 2, 0, 1),

(2, 3/2, 0, 3, 1, 2, 2, 1, 0, 1),

(2, 3/2, 0, 3, 2, 1, 1, 2, 0, 1),

(2, 3/2, 0, 3, 2, 1, 2, 1, 0, 1),

(3, 2, 1, 0, 0, 0, 0, 2, 1, 0),

(4/3, 7/6, 1, 0, 0, 0, 0, 3, 1, 1),

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

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

(3, 2, 1, 0, 0, 0, 1, 1, 0, 0),

(2, 3/2, 1, 0, 0, 0, 1, 2, 0, 1),

(3, 2, 1, 0, 0, 0, 2, 0, 1, 0),

(2, 3/2, 1, 0, 0, 0, 2, 1, 0, 1),

(4/3, 7/6, 1, 0, 0, 0, 3, 0, 1, 1),

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

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

(2, 3, 1, 2, 0, 0, 2, 3, 0, 0),

(2, 3, 1, 2, 0, 0, 3, 2, 0, 0),

(3, 6, 1, 2, 0, 0, 3, 3, 1, 0),

(3, 5, 2, 0, 0, 0, 1, 3, 0, 0),

(3, 5, 2, 0, 0, 0, 3, 1, 0, 0),

(2, 3, 2, 1, 0, 0, 2, 3, 0, 0),

(2, 3, 2, 1, 0, 0, 3, 2, 0, 0),

(3, 6, 2, 1, 0, 0, 3, 3, 1, 0),

(2, 3, 3, 0, 0, 1, 2, 3, 0, 0),

(2, 3, 3, 0, 0, 1, 3, 2, 0, 0),

(2, 3, 3, 0, 1, 0, 2, 3, 0, 0),

(2, 3, 3, 0, 1, 0, 3, 2, 0, 0),

(2, 3/2, 3, 0, 1, 2, 1, 2, 0, 1),

(2, 3/2, 3, 0, 1, 2, 2, 1, 0, 1),

(2, 3/2, 3, 0, 2, 1, 1, 2, 0, 1),

(2, 3/2, 3, 0, 2, 1, 2, 1, 0, 1)],

(0, 1, 1, 1, 0, 2): [(3, 2, 0, 1, 0, 0, 0, 1, 1, 0),

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

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

(2, 3/2, 0, 1, 0, 0, 0, 3, 2, 2),

(3, 2, 0, 1, 0, 0, 1, 0, 0, 0),

(2, 3/2, 0, 1, 0, 0, 2, 0, 0, 1),

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

(2, 3/2, 0, 1, 0, 0, 2, 2, 0, 2),

(2, 3, 0, 3, 0, 1, 0, 2, 2, 0),

(2, 3, 0, 3, 0, 1, 2, 1, 0, 0),

(2, 3, 0, 3, 0, 1, 3, 0, 1, 0),

(2, 3, 0, 3, 1, 0, 0, 2, 2, 0),

(2, 3, 0, 3, 1, 0, 2, 1, 0, 0),

(2, 3, 0, 3, 1, 0, 3, 0, 1, 0),

(2, 3/2, 0, 3, 1, 2, 0, 3, 2, 2),

(2, 3/2, 0, 3, 1, 2, 2, 0, 0, 1),

(2, 3/2, 0, 3, 1, 2, 2, 2, 0, 2),

(2, 3/2, 0, 3, 2, 1, 0, 3, 2, 2),

(2, 3/2, 0, 3, 2, 1, 2, 0, 0, 1),

(2, 3/2, 0, 3, 2, 1, 2, 2, 0, 2),

(3, 2, 1, 0, 0, 0, 0, 1, 1, 0),

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

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

(2, 3/2, 1, 0, 0, 0, 0, 3, 2, 2),

(3, 2, 1, 0, 0, 0, 1, 0, 0, 0),

(2, 3/2, 1, 0, 0, 0, 2, 0, 0, 1),

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

(2, 3/2, 1, 0, 0, 0, 2, 2, 0, 2),

(2, 3, 1, 2, 0, 0, 0, 2, 2, 0),

(4, 10, 1, 2, 0, 0, 1, 2, 3, 0),

(2, 3, 1, 2, 0, 0, 2, 1, 0, 0),

(3, 6, 1, 2, 0, 0, 2, 2, 3, 0),

(2, 3, 1, 2, 0, 0, 3, 0, 1, 0),

(4, 10, 1, 2, 0, 0, 3, 1, 1, 0),

(3, 6, 1, 2, 0, 0, 3, 1, 2, 0),

(2, 3, 2, 1, 0, 0, 0, 2, 2, 0),

(4, 10, 2, 1, 0, 0, 1, 2, 3, 0),

(2, 3, 2, 1, 0, 0, 2, 1, 0, 0),

(3, 6, 2, 1, 0, 0, 2, 2, 3, 0),

(2, 3, 2, 1, 0, 0, 3, 0, 1, 0),

(4, 10, 2, 1, 0, 0, 3, 1, 1, 0),

(3, 6, 2, 1, 0, 0, 3, 1, 2, 0),

(2, 3, 3, 0, 0, 1, 0, 2, 2, 0),

(2, 3, 3, 0, 0, 1, 2, 1, 0, 0),

(2, 3, 3, 0, 0, 1, 3, 0, 1, 0),

(2, 3, 3, 0, 1, 0, 0, 2, 2, 0),

(2, 3, 3, 0, 1, 0, 2, 1, 0, 0),

(2, 3, 3, 0, 1, 0, 3, 0, 1, 0),

(2, 3/2, 3, 0, 1, 2, 0, 3, 2, 2),

(2, 3/2, 3, 0, 1, 2, 2, 0, 0, 1),

(2, 3/2, 3, 0, 1, 2, 2, 2, 0, 2),

(2, 3/2, 3, 0, 2, 1, 0, 3, 2, 2),

(2, 3/2, 3, 0, 2, 1, 2, 0, 0, 1),

(2, 3/2, 3, 0, 2, 1, 2, 2, 0, 2)],

(0, 0, 1, 0, 0, 1): [(2, 3, 0, 2, 1, 0, 1, 1, 0, 0),

(2, 3/2, 0, 2, 1, 1, 1, 1, 0, 1),

(2, 7, 0, 3, 1, 0, 2, 2, 0, 0),

(2, 7/2, 0, 3, 1, 1, 2, 2, 0, 1),

(2, 7/4, 0, 3, 1, 2, 2, 2, 0, 2),

(2, 5, 0, 3, 2, 0, 1, 2, 0, 0),

(2, 5, 0, 3, 2, 0, 2, 1, 0, 0),

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

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

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

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

(2, 3, 1, 1, 0, 0, 0, 2, 1, 0),

(2, 3, 1, 1, 0, 0, 2, 0, 1, 0),

(2, 3/2, 1, 1, 0, 1, 0, 2, 1, 1),

(2, 3/2, 1, 1, 0, 1, 2, 0, 1, 1),

(2, 5, 1, 2, 0, 0, 0, 3, 2, 0),

(2, 5, 1, 2, 0, 0, 3, 0, 2, 0),

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

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

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

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

(2, 6, 1, 3, 2, 0, 2, 2, 1, 0),

(2, 3, 2, 0, 1, 0, 1, 1, 0, 0),

(2, 3/2, 2, 0, 1, 1, 1, 1, 0, 1),

(2, 5, 2, 1, 0, 0, 0, 3, 2, 0),

(2, 5, 2, 1, 0, 0, 3, 0, 2, 0),

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

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

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

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

(2, 7, 2, 2, 0, 0, 0, 3, 1, 0),

(2, 7, 2, 2, 0, 0, 3, 0, 1, 0),

(2, 7/2, 2, 2, 0, 1, 0, 3, 1, 1),

(2, 7/2, 2, 2, 0, 1, 3, 0, 1, 1),

(2, 7/4, 2, 2, 0, 2, 0, 3, 1, 2),

(2, 7/4, 2, 2, 0, 2, 3, 0, 1, 2),

(2, 6, 2, 2, 1, 0, 1, 3, 2, 0),

(2, 6, 2, 2, 1, 0, 3, 1, 2, 0),

(2, 7, 3, 0, 1, 0, 2, 2, 0, 0),

(2, 7/2, 3, 0, 1, 1, 2, 2, 0, 1),

(2, 7/4, 3, 0, 1, 2, 2, 2, 0, 2),

(2, 5, 3, 0, 2, 0, 1, 2, 0, 0),

(2, 5, 3, 0, 2, 0, 2, 1, 0, 0),

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

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

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

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

(2, 6, 3, 1, 2, 0, 2, 2, 1, 0)],

(0, 0, 1, 1, 1, 1): [(3/2, 2, 1, 1, 0, 0, 0, 1, 0, 0),

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

(3/2, 3, 2, 2, 1, 0, 1, 1, 0, 0),

(3/2, 9/8, 2, 2, 3, 0, 2, 0, 1, 1),

(3/2, 9/2, 3, 3, 2, 0, 2, 1, 0, 0)],

(0, 0, 1, 1, 0, 1): [(2, 3, 0, 2, 1, 0, 0, 1, 2, 0),

(2, 3, 0, 2, 1, 0, 2, 0, 0, 1),

(2, 3/2, 0, 2, 1, 1, 0, 2, 2, 1),

(2, 3/2, 0, 2, 1, 1, 2, 1, 0, 2),

(2, 7, 0, 3, 1, 0, 0, 1, 3, 0),

(2, 7, 0, 3, 1, 0, 3, 0, 0, 1),

(2, 7/2, 0, 3, 1, 1, 0, 2, 3, 1),

(2, 7/2, 0, 3, 1, 1, 3, 1, 0, 2),

(2, 7/4, 0, 3, 1, 2, 0, 3, 3, 2),

(2, 7/4, 0, 3, 1, 2, 3, 2, 0, 3),

(2, 3, 1, 1, 0, 0, 0, 1, 2, 0),

(2, 3, 1, 1, 0, 0, 2, 0, 0, 1),

(2, 3/2, 1, 1, 0, 1, 0, 2, 2, 1),

(2, 3/2, 1, 1, 0, 1, 2, 1, 0, 2),

(2, 6, 1, 3, 2, 0, 1, 1, 3, 0),

(2, 6, 1, 3, 2, 0, 3, 0, 1, 1),

(2, 3, 2, 0, 1, 0, 0, 1, 2, 0),

(2, 3, 2, 0, 1, 0, 2, 0, 0, 1),

(2, 3/2, 2, 0, 1, 1, 0, 2, 2, 1),

(2, 3/2, 2, 0, 1, 1, 2, 1, 0, 2),

(2, 7, 2, 2, 0, 0, 0, 1, 3, 0),

(2, 7, 2, 2, 0, 0, 3, 0, 0, 1),

(2, 7/2, 2, 2, 0, 1, 0, 2, 3, 1),

(2, 7/2, 2, 2, 0, 1, 3, 1, 0, 2),

(2, 7/4, 2, 2, 0, 2, 0, 3, 3, 2),

(2, 7/4, 2, 2, 0, 2, 3, 2, 0, 3),

(2, 6, 2, 2, 1, 0, 1, 1, 3, 0),

(2, 6, 2, 2, 1, 0, 3, 0, 1, 1),

(2, 7, 3, 0, 1, 0, 0, 1, 3, 0),

(2, 7, 3, 0, 1, 0, 3, 0, 0, 1),

(2, 7/2, 3, 0, 1, 1, 0, 2, 3, 1),

(2, 7/2, 3, 0, 1, 1, 3, 1, 0, 2),

(2, 7/4, 3, 0, 1, 2, 0, 3, 3, 2),

(2, 7/4, 3, 0, 1, 2, 3, 2, 0, 3),

(2, 6, 3, 1, 2, 0, 1, 1, 3, 0),

(2, 6, 3, 1, 2, 0, 3, 0, 1, 1)],

(0, 0, 1, 0, 2, 2): [(2, 3/2, 0, 2, 1, 1, 0, 3, 1, 1),

(2, 3/2, 0, 2, 1, 1, 3, 0, 1, 1),

(2, 3/2, 1, 1, 0, 1, 0, 3, 1, 1),

(2, 3/2, 1, 1, 0, 1, 3, 0, 1, 1),

(2, 3/2, 2, 0, 1, 1, 0, 3, 1, 1),

(2, 3/2, 2, 0, 1, 1, 3, 0, 1, 1)],

(0, 0, 1, 0, 0, 2): [(2, 3, 0, 2, 1, 0, 1, 3, 0, 0),

(2, 3, 0, 2, 1, 0, 3, 1, 0, 0),

(2, 3/2, 0, 2, 1, 1, 1, 3, 0, 2),

(2, 3/2, 0, 2, 1, 1, 3, 1, 0, 2),

(3, 5, 1, 1, 0, 0, 0, 3, 1, 0),

(4, 7, 1, 1, 0, 0, 0, 3, 2, 0),

(2, 3, 1, 1, 0, 0, 1, 3, 0, 0),

(3, 5, 1, 1, 0, 0, 3, 0, 1, 0),

(4, 7, 1, 1, 0, 0, 3, 0, 2, 0),

(2, 3, 1, 1, 0, 0, 3, 1, 0, 0),

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

(4, 7/4, 1, 1, 0, 1, 0, 3, 2, 2),

(2, 3/2, 1, 1, 0, 1, 1, 3, 0, 2),

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

(4, 7/4, 1, 1, 0, 1, 3, 0, 2, 2),

(2, 3/2, 1, 1, 0, 1, 3, 1, 0, 2),

(2, 3, 2, 0, 1, 0, 1, 3, 0, 0),

(2, 3, 2, 0, 1, 0, 3, 1, 0, 0),

(2, 3/2, 2, 0, 1, 1, 1, 3, 0, 2),

(2, 3/2, 2, 0, 1, 1, 3, 1, 0, 2)],

(0, 0, 1, 2, 2, 2): [(3/2, 2, 1, 1, 0, 0, 0, 2, 0, 1),

(3/2, 2, 1, 1, 0, 0, 0, 2, 1, 0),

(3/2, 3, 2, 2, 1, 0, 2, 2, 0, 1),

(3/2, 3, 2, 2, 1, 0, 2, 2, 1, 0)],

(0, 0, 1, 2, 0, 2): [(5/4, 3/2, 1, 1, 0, 0, 0, 1, 2, 0),

(5/3, 7/3, 1, 1, 0, 0, 0, 1, 3, 0),

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

(5/3, 7/3, 1, 1, 0, 0, 3, 0, 0, 1),

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

(5/3, 7/5, 1, 1, 0, 1, 0, 3, 3, 2),

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

(5/3, 7/5, 1, 1, 0, 1, 3, 2, 0, 3)],

(0, 0, 1, 1, 1, 2): [(5/2, 4, 1, 1, 0, 0, 0, 2, 1, 0),

 (3/2, 2, 1, 1, 0, 0, 1, 2, 0, 0),

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

 (5/2, 8/5, 1, 1, 0, 1, 0, 3, 2, 2),

 (5/2, 10, 2, 2, 1, 0, 2, 3, 2, 0),

 (3/2, 3, 2, 2, 1, 0, 3, 3, 1, 0),

 (3/2, 9/8, 2, 2, 3, 0, 3, 1, 3, 0)],

(0, 0, 1, 2, 1, 1): [(3/2, 2, 1, 1, 0, 0, 0, 0, 0, 1),

 (3/2, 2, 1, 1, 0, 0, 0, 0, 1, 0),

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

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

 (3/2, 3, 2, 2, 1, 0, 2, 0, 1, 2),

 (3/2, 3, 2, 2, 1, 0, 2, 0, 2, 1)],

(0, 0, 1, 1, 2, 2): [],

(0, 0, 1, 2, 1, 2): [(3/2, 2, 1, 1, 0, 0, 0, 1, 1, 0),

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

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

 (5/2, 8/5, 1, 1, 0, 1, 0, 3, 3, 2),

 (3/2, 3, 2, 2, 1, 0, 2, 1, 2, 0),

 (5/2, 10, 2, 2, 1, 0, 2, 1, 3, 0)],

(0, 0, 1, 0, 1, 2): [(2, 3, 0, 2, 1, 0, 2, 3, 0, 0),

 (2, 3, 0, 2, 1, 0, 3, 2, 0, 0),

 (2, 3/2, 0, 2, 1, 1, 1, 2, 0, 1),

 (2, 3/2, 0, 2, 1, 1, 2, 1, 0, 1),

 (5, 9, 1, 1, 0, 0, 0, 3, 1, 0),

 (3, 5, 1, 1, 0, 0, 1, 3, 0, 0),

(2, 3, 1, 1, 0, 0, 2, 3, 0, 0),

(5, 9, 1, 1, 0, 0, 3, 0, 1, 0),

(3, 5, 1, 1, 0, 0, 3, 1, 0, 0),

(2, 3, 1, 1, 0, 0, 3, 2, 0, 0),

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

(5, 9/5, 1, 1, 0, 1, 0, 3, 2, 2),

(2, 3/2, 1, 1, 0, 1, 1, 2, 0, 1),

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

(2, 3/2, 1, 1, 0, 1, 2, 1, 0, 1),

(5, 9/5, 1, 1, 0, 1, 3, 0, 2, 2),

(2, 3, 2, 0, 1, 0, 2, 3, 0, 0),

(2, 3, 2, 0, 1, 0, 3, 2, 0, 0),

(2, 3/2, 2, 0, 1, 1, 1, 2, 0, 1),

(2, 3/2, 2, 0, 1, 1, 2, 1, 0, 1)],

(0, 0, 1, 1, 0, 2): [(2, 3, 0, 2, 1, 0, 0, 2, 2, 0),

(2, 3, 0, 2, 1, 0, 2, 1, 0, 0),

(2, 3, 0, 2, 1, 0, 3, 0, 1, 0),

(2, 3/2, 0, 2, 1, 1, 0, 3, 2, 2),

(2, 3/2, 0, 2, 1, 1, 2, 0, 0, 1),

(2, 3/2, 0, 2, 1, 1, 2, 2, 0, 2),

(2, 7, 0, 3, 1, 0, 0, 3, 3, 0),

(3/2, 2, 1, 1, 0, 0, 0, 2, 1, 0),

(2, 3, 1, 1, 0, 0, 0, 2, 2, 0),

(4, 7, 1, 1, 0, 0, 0, 2, 3, 0),

(2, 3, 1, 1, 0, 0, 2, 1, 0, 0),

(2, 3, 1, 1, 0, 0, 3, 0, 1, 0),

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

(2, 3/2, 1, 1, 0, 1, 0, 3, 2, 2),

(4, 7/4, 1, 1, 0, 1, 0, 3, 3, 2),

(2, 3/2, 1, 1, 0, 1, 2, 0, 0, 1),

(2, 3/2, 1, 1, 0, 1, 2, 2, 0, 2),

(2, 3, 2, 0, 1, 0, 0, 2, 2, 0),

(2, 3, 2, 0, 1, 0, 2, 1, 0, 0),

(2, 3, 2, 0, 1, 0, 3, 0, 1, 0),

(2, 3/2, 2, 0, 1, 1, 0, 3, 2, 2),

(2, 3/2, 2, 0, 1, 1, 2, 0, 0, 1),

(2, 3/2, 2, 0, 1, 1, 2, 2, 0, 2),

(2, 7, 2, 2, 0, 0, 0, 3, 3, 0),

(3/2, 3, 2, 2, 1, 0, 2, 3, 3, 0),

(2, 7, 3, 0, 1, 0, 0, 3, 3, 0)],

(1, 1, 1, 1, 1, 1): [(2, 4/3, 2, 0, 1, 1, 2, 1, 0, 2),

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

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

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

(2, 8/3, 3, 0, 1, 1, 3, 1, 0, 2),

(2, 8/3, 3, 0, 1, 1, 3, 1, 2, 0),

(2, 8/5, 3, 0, 1, 2, 3, 2, 0, 3),

(2, 8/5, 3, 0, 1, 2, 3, 2, 3, 0),

(2, 8/5, 3, 0, 2, 1, 3, 2, 0, 3),

(2, 8/5, 3, 0, 2, 1, 3, 2, 3, 0),

(2, 8/7, 3, 0, 2, 2, 3, 1, 0, 3),

(2, 8/7, 3, 0, 2, 2, 3, 1, 3, 0),

(2, 8/3, 3, 1, 0, 2, 3, 0, 1, 1),

  (2, 8/7, 3, 1, 0, 3, 3, 0, 2, 2),

  (2, 8/3, 3, 1, 2, 0, 3, 0, 1, 1),

  (2, 8/7, 3, 1, 3, 0, 3, 0, 2, 2),

  (2, 8/5, 3, 2, 0, 3, 3, 0, 1, 2),

  (2, 8/5, 3, 2, 0, 3, 3, 0, 2, 1),

  (2, 8/5, 3, 2, 3, 0, 3, 0, 1, 2),

  (2, 8/5, 3, 2, 3, 0, 3, 0, 2, 1)],

(1, 1, 1, 1, 0, 1): [(2, 4/3, 2, 0, 1, 1, 2, 2, 3, 0),

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

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

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

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

  (2, 4/3, 2, 1, 2, 0, 3, 0, 2, 2)],

(1, 1, 1, 0, 2, 2): [(2, 4/3, 2, 0, 1, 1, 3, 3, 0, 3),

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

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

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

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

  (2, 4/3, 2, 1, 2, 0, 3, 3, 3, 0)],

(1, 1, 1, 0, 0, 2): [],

(1, 1, 1, 2, 2, 2): [(3/2, 2, 0, 1, 0, 0, 0, 2, 0, 1),

  (3/2, 2, 0, 1, 0, 0, 0, 2, 1, 0),

  (3/2, 3, 1, 1, 0, 0, 2, 2, 0, 1),

  (3/2, 3, 1, 1, 0, 0, 2, 2, 1, 0)],

(1, 1, 1, 2, 0, 2): [],

(1, 1, 1, 1, 1, 2): [(3/2, 2, 0, 1, 0, 0, 1, 2, 0, 0),

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

 (3/2, 3, 1, 1, 0, 0, 3, 3, 1, 0),

 (3/2, 9/8, 2, 0, 1, 1, 3, 1, 3, 0)],

(1, 1, 1, 2, 1, 1): [(3/2, 2, 0, 1, 0, 0, 0, 0, 0, 1),

 (3/2, 2, 0, 1, 0, 0, 0, 0, 1, 0),

 (5/3, 3, 0, 1, 0, 0, 0, 0, 1, 1),

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

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

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

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

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

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

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

 (5/3, 9/5, 0, 2, 1, 1, 0, 2, 2, 2),

 (4/3, 9/8, 0, 2, 1, 1, 0, 3, 2, 2),

 (3/2, 8/3, 0, 3, 1, 2, 0, 1, 0, 3),

 (3/2, 8/3, 0, 3, 1, 2, 0, 1, 3, 0),

 (3/2, 8/3, 0, 3, 2, 1, 0, 1, 0, 3),

 (3/2, 8/3, 0, 3, 2, 1, 0, 1, 3, 0),

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

 (3/2, 3, 1, 1, 0, 0, 2, 0, 1, 2),

 (3/2, 3, 1, 1, 0, 0, 2, 0, 2, 1),

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

 (4/3, 8/3, 2, 1, 0, 0, 3, 0, 2, 2)],

(1, 1, 1, 1, 2, 2): [(2, 4/3, 2, 0, 1, 1, 2, 0, 0, 1),

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

(3, 9/5, 2, 0, 1, 1, 3, 1, 0, 2),

(3, 9/5, 2, 0, 1, 1, 3, 1, 2, 0),

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

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

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

(2, 4/3, 2, 1, 2, 0, 2, 0, 1, 0)],

(1, 1, 1, 2, 1, 2): [(3/2, 2, 0, 1, 0, 0, 0, 1, 1, 0),

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

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

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

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

(3/2, 8/3, 0, 3, 1, 2, 0, 3, 3, 2),

(3/2, 8/3, 0, 3, 2, 1, 0, 3, 3, 2),

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

(3/2, 3, 1, 1, 0, 0, 2, 1, 2, 0),

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

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

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

(4/3, 8/3, 2, 1, 0, 0, 3, 1, 2, 0),

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

(2, 4/3, 2, 1, 2, 0, 3, 0, 1, 2)],

(1, 1, 1, 0, 1, 2): [],

(1, 1, 1, 1, 0, 2): [(3/2, 2, 0, 1, 0, 0, 0, 2, 1, 0),

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

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

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

(5/3, 9/5, 0, 2, 1, 1, 1, 3, 0, 2),

(4/3, 9/8, 0, 2, 1, 1, 1, 3, 0, 3),

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

(3/2, 3, 1, 1, 0, 0, 2, 3, 3, 0),

(5/3, 5, 1, 1, 0, 0, 3, 3, 2, 0)],

(1, 0, 1, 1, 0, 1): [],

(1, 0, 1, 0, 2, 2): [(2, 3/2, 0, 2, 2, 1, 0, 3, 1, 1),

(2, 3/2, 0, 2, 2, 1, 3, 0, 1, 1),

(2, 3/2, 2, 1, 0, 2, 0, 3, 1, 1),

(2, 3/2, 2, 1, 0, 2, 3, 0, 1, 1),

(2, 4/3, 2, 2, 3, 0, 3, 3, 0, 3),

(2, 4/3, 2, 2, 3, 0, 3, 3, 3, 0),

(2, 4/3, 3, 0, 2, 2, 3, 3, 0, 3),

(2, 4/3, 3, 0, 2, 2, 3, 3, 3, 0)],

(1, 0, 1, 0, 0, 2): [(2, 3, 0, 1, 2, 0, 1, 3, 0, 0),

(2, 3, 0, 1, 2, 0, 3, 1, 0, 0),

(2, 3/2, 0, 2, 2, 1, 1, 3, 0, 2),

(2, 3/2, 0, 2, 2, 1, 3, 1, 0, 2),

(2, 3, 2, 0, 0, 1, 1, 3, 0, 0),

(2, 3, 2, 0, 0, 1, 3, 1, 0, 0),

(2, 3/2, 2, 1, 0, 2, 1, 3, 0, 2),

(2, 3/2, 2, 1, 0, 2, 3, 1, 0, 2)],

(1, 0, 1, 2, 2, 2): [],

(1, 0, 1, 2, 0, 2): [],

(1, 0, 1, 1, 1, 2): [],

(1, 0, 1, 2, 1, 1): [],

(1, 0, 1, 1, 2, 2): [(2, 4/3, 2, 2, 3, 0, 2, 0, 0, 1),

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

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

 (2, 4/3, 3, 0, 2, 2, 2, 0, 1, 0)],

(1, 0, 1, 2, 1, 2): [(2, 4/3, 2, 2, 3, 0, 3, 0, 1, 2),

 (2, 4/3, 3, 0, 2, 2, 3, 0, 1, 2)],

(1, 0, 1, 0, 1, 2): [(3, 4, 0, 1, 2, 0, 0, 3, 1, 0),

 (2, 3, 0, 1, 2, 0, 2, 3, 0, 0),

 (3, 4, 0, 1, 2, 0, 3, 0, 1, 0),

 (2, 3, 0, 1, 2, 0, 3, 2, 0, 0),

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

 (2, 3/2, 0, 2, 2, 1, 1, 2, 0, 1),

 (2, 3/2, 0, 2, 2, 1, 2, 1, 0, 1),

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

 (3, 4, 2, 0, 0, 1, 0, 3, 1, 0),

 (2, 3, 2, 0, 0, 1, 2, 3, 0, 0),

 (3, 4, 2, 0, 0, 1, 3, 0, 1, 0),

 (2, 3, 2, 0, 0, 1, 3, 2, 0, 0),

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

 (2, 3/2, 2, 1, 0, 2, 1, 2, 0, 1),

 (2, 3/2, 2, 1, 0, 2, 2, 1, 0, 1),

 (3, 4/3, 2, 1, 0, 2, 3, 0, 2, 2)],

(1, 0, 1, 1, 0, 2): [(2, 3, 0, 1, 2, 0, 0, 2, 2, 0),

 (2, 3, 0, 1, 2, 0, 2, 1, 0, 0),

 (2, 3, 0, 1, 2, 0, 3, 0, 1, 0),

(2, 7, 0, 1, 3, 0, 0, 3, 3, 0),

 (2, 3/2, 0, 2, 2, 1, 0, 3, 2, 2),

 (2, 3/2, 0, 2, 2, 1, 2, 0, 0, 1),

 (2, 3/2, 0, 2, 2, 1, 2, 2, 0, 2),

 (2, 3, 2, 0, 0, 1, 0, 2, 2, 0),

 (2, 3, 2, 0, 0, 1, 2, 1, 0, 0),

 (2, 3, 2, 0, 0, 1, 3, 0, 1, 0),

 (2, 3/2, 2, 1, 0, 2, 0, 3, 2, 2),

 (2, 3/2, 2, 1, 0, 2, 2, 0, 0, 1),

 (2, 3/2, 2, 1, 0, 2, 2, 2, 0, 2),

 (2, 7, 3, 0, 0, 1, 0, 3, 3, 0)],

(0, 2, 2, 0, 2, 2): [],

(0, 2, 2, 0, 0, 2): [(2, 3/2, 0, 3, 1, 1, 1, 3, 0, 2),

 (2, 3/2, 0, 3, 1, 1, 3, 1, 0, 2),

 (2, 3/2, 3, 0, 1, 1, 1, 3, 0, 2),

 (2, 3/2, 3, 0, 1, 1, 3, 1, 0, 2)],

(0, 2, 2, 2, 2, 2): [],

(0, 2, 2, 2, 0, 2): [],

(0, 2, 2, 1, 1, 2): [],

(0, 2, 2, 2, 1, 1): [],

(0, 2, 2, 1, 2, 2): [(2, 4/3, 3, 3, 0, 3, 2, 0, 0, 1),

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

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

 (2, 4/3, 3, 3, 3, 0, 2, 0, 1, 0)],

(0, 2, 2, 2, 1, 2): [(2, 4/3, 3, 3, 0, 3, 3, 0, 1, 2),

 (2, 4/3, 3, 3, 3, 0, 3, 0, 1, 2)],

(0, 2, 2, 0, 1, 2): [(2, 3/2, 0, 3, 1, 1, 1, 2, 0, 1),

 (2, 3/2, 0, 3, 1, 1, 2, 1, 0, 1),

 (2, 3/2, 3, 0, 1, 1, 1, 2, 0, 1),

 (2, 3/2, 3, 0, 1, 1, 2, 1, 0, 1)],

(0, 2, 2, 1, 0, 2): [(2, 3/2, 0, 3, 1, 1, 0, 3, 2, 2),

 (2, 3/2, 0, 3, 1, 1, 2, 0, 0, 1),

 (2, 3/2, 0, 3, 1, 1, 2, 2, 0, 2),

 (2, 3/2, 3, 0, 1, 1, 0, 3, 2, 2),

 (2, 3/2, 3, 0, 1, 1, 2, 0, 0, 1),

 (2, 3/2, 3, 0, 1, 1, 2, 2, 0, 2)],

(0, 0, 2, 0, 0, 2): [],

(0, 0, 2, 2, 2, 2): [],

(0, 0, 2, 2, 0, 2): [],

(0, 0, 2, 1, 1, 2): [(5/2, 2, 1, 1, 0, 0, 0, 1, 0, 0),

 (5/2, 5, 3, 3, 2, 0, 2, 2, 1, 0)],

(0, 0, 2, 2, 1, 1): [],

(0, 0, 2, 1, 2, 2): [],

(0, 0, 2, 2, 1, 2): [],

(0, 0, 2, 0, 1, 2): [(3, 5, 0, 3, 1, 0, 1, 3, 0, 0),

 (3, 5, 0, 3, 1, 0, 3, 1, 0, 0),

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

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

 (2, 3, 1, 3, 0, 0, 2, 3, 0, 0),

 (2, 3, 1, 3, 0, 0, 3, 2, 0, 0),

 (2, 3/2, 1, 3, 0, 2, 1, 2, 0, 1),

 (2, 3/2, 1, 3, 0, 2, 2, 1, 0, 1),

(3, 5, 3, 0, 1, 0, 1, 3, 0, 0),

(3, 5, 3, 0, 1, 0, 3, 1, 0, 0),

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

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

(2, 3, 3, 1, 0, 0, 2, 3, 0, 0),

(2, 3, 3, 1, 0, 0, 3, 2, 0, 0),

(2, 3/2, 3, 1, 0, 2, 1, 2, 0, 1),

(2, 3/2, 3, 1, 0, 2, 2, 1, 0, 1)],

(0, 0, 2, 1, 0, 2): [(4, 7, 0, 3, 2, 0, 0, 2, 3, 0),

(4, 7/4, 0, 3, 2, 2, 0, 3, 3, 2),

(2, 3, 1, 3, 0, 0, 0, 2, 2, 0),

(2, 3, 1, 3, 0, 0, 2, 1, 0, 0),

(2, 3, 1, 3, 0, 0, 3, 0, 1, 0),

(2, 3/2, 1, 3, 0, 2, 0, 3, 2, 2),

(2, 3/2, 1, 3, 0, 2, 2, 0, 0, 1),

(2, 3/2, 1, 3, 0, 2, 2, 2, 0, 2),

(4, 7, 3, 0, 2, 0, 0, 2, 3, 0),

(4, 7/4, 3, 0, 2, 2, 0, 3, 3, 2),

(2, 3, 3, 1, 0, 0, 0, 2, 2, 0),

(2, 3, 3, 1, 0, 0, 2, 1, 0, 0),

(2, 3, 3, 1, 0, 0, 3, 0, 1, 0),

(2, 3/2, 3, 1, 0, 2, 0, 3, 2, 2),

(2, 3/2, 3, 1, 0, 2, 2, 0, 0, 1),

(2, 3/2, 3, 1, 0, 2, 2, 2, 0, 2)],

(2, 2, 2, 2, 2, 2): [],

(2, 2, 2, 2, 0, 2): [],

(2, 2, 2, 1, 1, 2): [(3/2, 2, 0, 2, 0, 1, 1, 2, 0, 0),

 (3/2, 2, 0, 2, 1, 0, 1, 2, 0, 0),

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

 (3/2, 3, 2, 2, 0, 1, 3, 3, 1, 0),

 (3/2, 3, 2, 2, 1, 0, 3, 3, 1, 0)],

(2, 2, 2, 2, 1, 1): [(3/2, 2, 0, 2, 0, 1, 0, 0, 0, 1),

 (3/2, 2, 0, 2, 0, 1, 0, 0, 1, 0),

 (3/2, 2, 0, 2, 1, 0, 0, 0, 0, 1),

 (3/2, 2, 0, 2, 1, 0, 0, 0, 1, 0),

 (9/5, 5/3, 0, 2, 1, 1, 0, 1, 1, 1),

 (9/5, 3, 1, 1, 0, 0, 1, 0, 1, 1),

 (3/2, 3, 2, 2, 0, 1, 2, 0, 1, 2),

 (3/2, 3, 2, 2, 0, 1, 2, 0, 2, 1),

 (3/2, 3, 2, 2, 1, 0, 2, 0, 1, 2),

 (3/2, 3, 2, 2, 1, 0, 2, 0, 2, 1),

 (9/5, 27/5, 3, 1, 0, 0, 3, 0, 2, 2)],

(2, 2, 2, 1, 2, 2): [],

(2, 2, 2, 2, 1, 2): [(3/2, 2, 0, 2, 0, 1, 0, 1, 1, 0),

 (3/2, 2, 0, 2, 1, 0, 0, 1, 1, 0),

 (3/2, 3, 2, 2, 0, 1, 2, 1, 2, 0),

 (3/2, 3, 2, 2, 1, 0, 2, 1, 2, 0)],

(2, 2, 2, 0, 1, 2): [],

(2, 2, 2, 1, 0, 2): [(3/2, 2, 0, 2, 0, 1, 0, 2, 1, 0),

 (3/2, 2, 0, 2, 1, 0, 0, 2, 1, 0),

 (3/2, 3, 2, 2, 0, 1, 2, 3, 3, 0),

 (3/2, 3, 2, 2, 1, 0, 2, 3, 3, 0)],

(2, 0, 2, 2, 0, 2): [],

(2, 0, 2, 1, 1, 2): [],

(2, 0, 2, 2, 1, 1): [],

(2, 0, 2, 1, 2, 2): [(3, 3/2, 2, 2, 3, 0, 1, 0, 0, 0),

 (3, 3/2, 2, 2, 3, 0, 2, 2, 0, 2),

 (3, 3/2, 2, 2, 3, 0, 2, 2, 2, 0),

 (3, 3/2, 3, 0, 2, 2, 1, 0, 0, 0),

 (3, 3/2, 3, 0, 2, 2, 2, 2, 0, 2),

 (3, 3/2, 3, 0, 2, 2, 2, 2, 2, 0)],

(2, 0, 2, 2, 1, 2): [(3, 3/2, 2, 2, 3, 0, 2, 0, 1, 1),

 (3, 3/2, 2, 2, 3, 0, 2, 1, 2, 0),

 (3, 3/2, 3, 0, 2, 2, 2, 0, 1, 1),

 (3, 3/2, 3, 0, 2, 2, 2, 1, 2, 0)],

(2, 0, 2, 0, 1, 2): [(3, 2, 0, 1, 2, 0, 0, 2, 1, 0),

 (3, 2, 0, 1, 2, 0, 1, 1, 0, 0),

 (3, 2, 0, 1, 2, 0, 2, 0, 1, 0),

 (3, 2, 2, 0, 0, 1, 0, 2, 1, 0),

 (3, 2, 2, 0, 0, 1, 1, 1, 0, 0),

 (3, 2, 2, 0, 0, 1, 2, 0, 1, 0)],

(2, 0, 2, 1, 0, 2): [(3, 2, 0, 1, 2, 0, 0, 1, 1, 0),

 (3, 2, 0, 1, 2, 0, 1, 0, 0, 0),

 (3, 2, 2, 0, 0, 1, 0, 1, 1, 0),

 (3, 2, 2, 0, 0, 1, 1, 0, 0, 0)],

(1, 1, 2, 1, 1, 2): [],

(1, 1, 2, 2, 1, 1): [(3/2, 4/3, 0, 2, 0, 1, 0, 2, 1, 2),

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

(3/2, 2, 1, 2, 0, 0, 0, 0, 0, 1),

(3/2, 2, 1, 2, 0, 0, 0, 0, 1, 0),

(3/2, 3, 3, 3, 1, 0, 2, 0, 1, 2),

(3/2, 3, 3, 3, 1, 0, 2, 0, 2, 1)],

(1, 1, 2, 1, 2, 2): [],

(1, 1, 2, 2, 1, 2): [(3/2, 4/3, 0, 2, 0, 1, 0, 3, 2, 2),

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

(5/2, 8/5, 0, 3, 2, 2, 0, 3, 3, 2),

(3/2, 2, 1, 2, 0, 0, 0, 1, 1, 0),

(5/2, 10, 2, 3, 2, 0, 2, 1, 3, 0),

(3/2, 3, 3, 3, 1, 0, 2, 1, 2, 0)],

(1, 1, 2, 0, 1, 2): [],

(1, 1, 2, 1, 0, 2): [(3/2, 4/3, 0, 2, 0, 1, 0, 3, 1, 2),

(3/2, 2, 1, 2, 0, 0, 0, 2, 1, 0),

(3/2, 3, 3, 3, 1, 0, 2, 3, 3, 0)],

(2, 1, 1, 2, 1, 1): [],

(2, 1, 1, 1, 2, 2): [],

(2, 1, 1, 2, 1, 2): [(3/2, 2, 0, 0, 0, 1, 0, 1, 1, 0),

(3/2, 2, 0, 0, 1, 0, 0, 1, 1, 0),

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

(3/2, 8/3, 0, 1, 0, 3, 0, 3, 3, 2),

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

(3/2, 8/3, 0, 1, 3, 0, 0, 3, 3, 2),

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

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

(5/4, 8/5, 0, 2, 2, 2, 0, 3, 1, 2),

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

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

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

(2, 2, 2, 0, 1, 1, 2, 1, 2, 0),

(3/2, 3, 2, 0, 1, 2, 2, 1, 2, 0),

(3/2, 3, 2, 0, 2, 1, 2, 1, 2, 0),

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

(4/3, 8/3, 3, 0, 2, 2, 3, 1, 2, 0)],

(2, 1, 1, 0, 1, 2): [],

(2, 1, 1, 1, 0, 2): [(3/2, 2, 0, 0, 0, 1, 0, 2, 1, 0),

(3/2, 2, 0, 0, 1, 0, 0, 2, 1, 0),

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

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

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

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

(5/3, 9/5, 0, 2, 2, 2, 1, 3, 0, 2),

(4/3, 9/8, 0, 3, 2, 2, 1, 3, 0, 3),

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

(2, 2, 2, 0, 1, 1, 2, 2, 3, 0),

(3/2, 3, 2, 0, 1, 2, 2, 3, 3, 0),

(3/2, 3, 2, 0, 2, 1, 2, 3, 3, 0),

(5/3, 5, 2, 0, 2, 2, 3, 3, 2, 0)],

(1, 2, 2, 1, 2, 2): [(3, 3/2, 1, 0, 0, 0, 2, 2, 0, 2),

(3, 3/2, 1, 0, 0, 0, 2, 2, 2, 0),

(3, 3/2, 2, 2, 0, 2, 1, 0, 0, 0),

(3, 3/2, 2, 2, 2, 0, 1, 0, 0, 0)],

(1, 2, 2, 2, 1, 2): [(3, 3/2, 1, 0, 0, 0, 2, 0, 1, 1),

(3, 3/2, 1, 0, 0, 0, 2, 1, 2, 0),

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

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

(3, 3/2, 2, 2, 0, 2, 2, 0, 1, 1),

(3, 3/2, 2, 2, 0, 2, 2, 1, 2, 0),

(3, 3/2, 2, 2, 2, 0, 2, 0, 1, 1),

(3, 3/2, 2, 2, 2, 0, 2, 1, 2, 0),

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

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

(4, 8/5, 3, 3, 0, 3, 3, 0, 2, 2),

(4, 8/5, 3, 3, 0, 3, 3, 2, 3, 0),

(4, 8/5, 3, 3, 3, 0, 3, 0, 2, 2),

(4, 8/5, 3, 3, 3, 0, 3, 2, 3, 0)],

(1, 2, 2, 0, 1, 2): [],

(1, 2, 2, 1, 0, 2): [],

(2, 1, 2, 2, 1, 2): [(3, 3/2, 2, 0, 1, 1, 2, 1, 2, 0),

(3, 3/2, 2, 1, 2, 0, 2, 0, 1, 1),

(4, 8/3, 3, 0, 2, 1, 3, 2, 3, 0),

(4, 8/5, 3, 0, 2, 2, 3, 2, 3, 0),

(4, 8/3, 3, 2, 3, 0, 3, 0, 2, 1),

(4, 8/5, 3, 2, 3, 0, 3, 0, 2, 2)],

(2, 1, 2, 0, 1, 2): [],

(2, 1, 2, 1, 0, 2): [(3/2, 2, 0, 1, 1, 0, 0, 2, 1, 0),

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

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

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

(2, 2, 2, 1, 2, 0, 2, 2, 3, 0),

(3/2, 3, 2, 1, 2, 0, 2, 3, 3, 0)],

(0, 1, 2, 0, 1, 2): [(3, 2, 0, 2, 1, 0, 1, 1, 0, 0),

(3, 2, 1, 1, 0, 0, 0, 2, 1, 0),

(3, 2, 1, 1, 0, 0, 2, 0, 1, 0),

(3, 2, 2, 0, 1, 0, 1, 1, 0, 0)],

(0, 1, 2, 1, 0, 2): [(3, 2, 0, 2, 1, 0, 0, 1, 1, 0),

(3, 2, 0, 2, 1, 0, 1, 0, 0, 0),

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

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

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

(3, 2, 1, 1, 0, 0, 0, 1, 1, 0),

(3, 2, 1, 1, 0, 0, 1, 0, 0, 0),

(2, 3/2, 1, 2, 0, 1, 0, 3, 2, 2),

(2, 3/2, 1, 2, 0, 1, 2, 0, 0, 1),

(2, 3/2, 1, 2, 0, 1, 2, 2, 0, 2),

(3, 2, 2, 0, 1, 0, 0, 1, 1, 0),

(3, 2, 2, 0, 1, 0, 1, 0, 0, 0),

(2, 3/2, 2, 1, 0, 1, 0, 3, 2, 2),

(2, 3/2, 2, 1, 0, 1, 2, 0, 0, 1),

(2, 3/2, 2, 1, 0, 1, 2, 2, 0, 2),

(2, 3, 2, 3, 0, 0, 0, 2, 2, 0),

(2, 3, 2, 3, 0, 0, 2, 1, 0, 0),

(2, 3, 2, 3, 0, 0, 3, 0, 1, 0),

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

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

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

(2, 3, 3, 2, 0, 0, 0, 2, 2, 0),

(2, 3, 3, 2, 0, 0, 2, 1, 0, 0),

(2, 3, 3, 2, 0, 0, 3, 0, 1, 0),

(3, 6, 3, 3, 1, 0, 2, 2, 3, 0),

(3, 6, 3, 3, 1, 0, 3, 1, 2, 0)],

(1, 0, 2, 1, 0, 2): [(3, 2, 0, 1, 1, 0, 1, 0, 0, 0),

(2, 3, 0, 2, 2, 0, 2, 1, 0, 0),

(2, 3, 0, 2, 2, 0, 3, 0, 1, 0),

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

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

(2, 3/2, 0, 3, 2, 2, 2, 0, 0, 1),

(2, 3/2, 0, 3, 2, 2, 2, 2, 0, 2),

(3, 2, 1, 0, 0, 0, 0, 1, 1, 0),

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

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

(4, 10, 1, 2, 3, 0, 3, 1, 1, 0),

(2, 3/2, 2, 0, 0, 1, 0, 3, 2, 2),

(2, 3/2, 2, 0, 0, 1, 2, 2, 0, 2),

(2, 3, 2, 1, 0, 0, 0, 2, 2, 0),

(2, 3, 2, 1, 0, 0, 3, 0, 1, 0),

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

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

(2, 3/2, 2, 2, 0, 2, 0, 3, 2, 2),

(2, 3/2, 2, 2, 0, 2, 2, 0, 0, 1),

(3, 6, 2, 2, 3, 0, 3, 1, 2, 0),

(2, 3, 3, 0, 1, 0, 0, 2, 2, 0),

(2, 3, 3, 0, 1, 0, 2, 1, 0, 0),

(4, 10, 3, 1, 1, 0, 1, 2, 3, 0),

(3, 6, 3, 1, 2, 0, 2, 2, 3, 0)]]}