

$$\binom{6}{3} = \frac{6!}{3!(6-3)!} = 20$$

1	1,2,3	-39.954545	✗
2	1,2,4	73.971429	✓
3	1,2,5	34.897375	✓
4	1,2,6	71.04	✓
5	1,3,4	30	✓
6	1,3,5	195.85714	✓
7	1,3,6	273	✓
8	1,4,5	55.23913	✓
9	1,4,6	72.525	✓
10	1,5,6	697.28571	✓
11	2,3,4	-17.72093	✗
12	2,3,5	-18.890756	✗
13	2,3,6	67.354839	✓
14	2,4,5	-28.63745	✗
15	2,4,6	71.015385	✓
16	2,5,6	71.532684	✓
17	3,4,5	-14.228571	✗
18	3,4,6	2298	✓
19	3,5,6	290.857141	✓
20	4,5,6	101.3029	✓