

Elements

Possible Pairwise Interactions

2	1
3	2
4	3
5	11
6	15
7	74
8	105
9	668
10	945
11	7,350
12	10,395
13	95,555
14	135,135
15	1,433,323
16	2,027,025
17	24,366,493
18	34,459,425

19	462,963,369
20	654,729,075
21	9,722,230,744
22	13,749,310,575
23	223,611,307,117
24	316,234,143,225
25	5,590,282,677,928
26	7,905,853,580,625
27	150,937,632,304,053
28	213,458,046,676,875
29	4,377,191,336,817,530
30	6,190,283,353,629,380
31	135,692,931,441,344,000
32	191,898,783,962,511,000
33	4,477,866,737,564,340,000
34	6,332,659,870,762,850,000
35	156,725,335,814,752,000,000
36	221,643,095,476,700,000,000
37	5,798,837,425,145,820,000,000
38	8,200,794,532,637,890,000,000
39	226,154,659,580,687,000,000,000
40	319,830,986,772,878,000,000,000
41	9,272,341,042,808,170,000,000,000
42	13,113,070,457,688,000,000,000,000
43	398,710,664,840,751,000,000,000,000
44	563,862,029,680,584,000,000,000,000
45	17,941,979,917,833,800,000,000,000,000
46	25,373,791,335,626,300,000,000,000,000
47	843,273,056,138,187,000,000,000,000,000
48	1,192,568,192,774,430,000,000,000,000,000
49	41,320,379,750,771,300,000,000,000,000,000

