

A Atoms: Total U: ☒ Table

Calculate

B Atoms: Max Rows: ☐ Graph

Number of atoms in System A = 5

Number of atoms in System B = 3

Total combined system energy = 25 units.

U(A)	U(B)	Omega(A)	Omega(B)	Omega(A&B)	Fraction of states
0	25	1	13,884,156	13,884,156	4.48e-7
1	24	15	10,518,300	157,774,500	5.10e-6
2	23	120	7,888,725	946,647,000	3.06e-5
3	22	680	5,852,925	3.980e+9	0.00013*
4	21	3,060	4,292,145	1.313e+10	0.00042*
5	20	11,628	3,108,105	3.614e+10	0.00117*
6	19	38,760	2,220,075	8.605e+10	0.00278*
7	18	116,280	1,562,275	1.817e+11	0.00587*
8	17	319,770	1,081,575	3.459e+11	0.01117*
9	16	817,190	735,471	6.010e+11	0.01941*
10	15	1,961,256	490,314	9.616e+11	0.03106*
11	14	4,457,400	319,770	1.425e+12	0.04604*
12	13	9,657,700	203,490	1.965e+12	0.06348*
13	12	20,058,300	125,970	2.527e+12	0.08162*
14	11	40,116,600	75,582	3.032e+12	0.09794*
15	10	77,558,760	43,758	3.394e+12	0.10963*
16	9	145,422,675	24,310	3.535e+12	0.11420*
17	8	265,182,525	12,870	3.413e+12	0.11024*
18	7	471,435,600	6,435	3.034e+12	0.09799*
19	6	818,809,200	3,003	2.459e+12	0.07943*
20	5	1.392e+9	1,287	1.791e+12	0.05787*
21	4	2.320e+9	495	1.148e+12	0.03710*
22	3	3.796e+9	165	6.264e+11	0.02023*
23	2	6.107e+9	45	2.748e+11	0.00888*
24	1	9.670e+9	9	8.703e+10	0.00281*
25	0	1.508e+10	1	1.508e+10	0.00049*

Total number of microstates: 3.096e+13