

Supplementary Material for:  
 Detection of a higher energy isomer of the CO-N<sub>2</sub>O van der Waals complex and  
 determination of two of its intermolecular frequencies  
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Table A-1. Observed and calculated transitions in the C-O  
 stretching fundamental band of CO-N<sub>2</sub>O dimer (units of 1/cm).

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*****
J'   Ka'  Kc'   J"   Ka"  Kc"  Observed  Calculated  Obs-Calc
*****
10   1    10   11   1    11   2138.9092  2138.9090  0.0003
 9   1    8    10   1    9    2138.9215  2138.9203  0.0011
 9   0    9    10   0    10   2139.0148  2139.0148 -0.0001
 1   1    1    2    2    0    2139.0433  2139.0431  0.0002
 8   1    7    9    1    8    2139.0620  2139.0612  0.0007
 7   0    7    8    1    8    2139.0998  2139.1005 -0.0007
 8   0    8    9    0    9    2139.1433  2139.1433  0.0000
 8   1    8    9    1    9    2139.1697  2139.1698 -0.0001
 7   1    6    8    1    7    2139.2039  2139.2036  0.0003
 7   2    5    8    2    6    2139.2202  2139.2197  0.0004
 7   2    6    8    2    7    2139.2465  2139.2463  0.0002
 7   0    7    8    0    8    2139.2733  2139.2733 -0.0000
 7   1    7    8    1    8    2139.3010  2139.3013 -0.0003
 5   0    5    6    1    6    2139.3066  2139.3065  0.0001
 6   1    5    7    1    6    2139.3474  2139.3472  0.0002
 2   1    1    2    2    0    2139.3545  2139.3540  0.0005
 6   2    4    7    2    5    2139.3668  2139.3667  0.0001
 6   2    5    7    2    6    2139.3850  2139.3849  0.0001
 4   1    3    4    2    2    2139.3958  2139.3957  0.0001
 6   0    6    7    0    7    2139.4052  2139.4053 -0.0001
 6   1    5    6    2    4    2139.4487  2139.4488 -0.0001
 5   1    4    6    1    5    2139.4919  2139.4919  0.0000
 5   0    5    6    0    6    2139.5392  2139.5393 -0.0001
 4   1    3    5    1    4    2139.6376  2139.6376 -0.0000
 2   0    2    3    1    3    2139.6421  2139.6420  0.0002
 4   2    3    5    2    4    2139.6643  2139.6644 -0.0001
 4   0    4    5    0    5    2139.6754  2139.6753  0.0000
 4   1    4    5    1    5    2139.7000  2139.7000 -0.0000
 1   0    1    2    1    2    2139.7651  2139.7649  0.0002
 3   1    2    4    1    3    2139.7842  2139.7842  0.0000
 3   2    1    4    2    2    2139.8015  2139.8016 -0.0001
 3   2    2    4    2    3    2139.8049  2139.8050 -0.0002
 3   0    3    4    0    4    2139.8133  2139.8132  0.0001
 7   0    7    7    1    6    2139.8290  2139.8288  0.0002
 3   1    3    4    1    4    2139.8344  2139.8343  0.0001
 6   0    6    6    1    5    2139.8850  2139.8851 -0.0001
 0   0    0    1    1    1    2139.8945  2139.8944  0.0002
 2   1    1    3    1    2    2139.9314  2139.9314 -0.0001
 2   0    2    3    0    3    2139.9528  2139.9528  0.0001
 4   1    4    5    0    5    2139.9620  2139.9618  0.0002
 2   1    2    3    1    3    2139.9693  2139.9692  0.0001
 3   0    3    3    1    2    2139.9929  2139.9928  0.0001
 2   0    2    2    1    1    2140.0122  2140.0121  0.0002
 1   0    1    1    1    0    2140.0246  2140.0245  0.0002
 1   1    0    2    1    1    2140.0794  2140.0793  0.0000
 1   0    1    2    0    2    2140.0937  2140.0936  0.0001
 1   1    1    2    1    2    2140.1046  2140.1046  0.0001
 3   1    3    4    0    4    2140.1223  2140.1224 -0.0001
 5   1    5    5    1    4    2140.1901  2140.1903 -0.0002
 0   0    0    1    0    1    2140.2355  2140.2355  0.0000
 4   1    4    4    1    3    2140.2521  2140.2523 -0.0002
 2   1    2    3    0    3    2140.2798  2140.2800 -0.0002
 3   1    3    3    1    2    2140.3019  2140.3020 -0.0001
 2   1    2    2    1    1    2140.3392  2140.3393 -0.0001
    
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1	1	0	1	1	1	2140.3895	2140.3895	-0.0001
6	2	4	6	2	5	2140.4014	2140.4023	-0.0009
2	1	1	2	1	2	2140.4155	2140.4155	0.0000
3	1	2	3	1	3	2140.4544	2140.4544	-0.0000
3	0	3	2	1	2	2140.4770	2140.4769	0.0001
4	1	3	4	1	4	2140.5063	2140.5063	0.0000
1	0	1	0	0	0	2140.5207	2140.5207	-0.0000
5	1	4	5	1	5	2140.5706	2140.5710	-0.0004
4	0	4	3	1	3	2140.6361	2140.6362	-0.0000
2	1	2	1	1	1	2140.6493	2140.6495	-0.0002
2	0	2	1	0	1	2140.6633	2140.6634	-0.0001
2	1	1	1	1	0	2140.6750	2140.6751	-0.0001
1	1	0	1	0	1	2140.7303	2140.7306	-0.0003
2	1	1	2	0	2	2140.7439	2140.7442	-0.0003
3	1	2	3	0	3	2140.7650	2140.7652	-0.0002
3	1	3	2	1	2	2140.7861	2140.7861	-0.0000
4	1	3	4	0	4	2140.7944	2140.7944	-0.0000
3	0	3	2	0	2	2140.8056	2140.8056	-0.0000
3	1	2	2	1	1	2140.8246	2140.8245	0.0001
5	1	4	5	0	5	2140.8327	2140.8327	-0.0001
1	1	1	0	0	0	2140.8603	2140.8604	-0.0001
6	1	5	6	0	6	2140.8812	2140.8812	-0.0001
4	1	4	3	1	3	2140.9226	2140.9226	-0.0000
4	0	4	3	0	3	2140.9471	2140.9470	0.0001
6	0	6	5	1	5	2140.9644	2140.9642	0.0003
4	1	3	3	1	2	2140.9740	2140.9740	0.0000
2	1	2	1	0	1	2140.9906	2140.9906	-0.0000
5	1	5	4	1	4	2141.0589	2141.0590	-0.0001
5	0	5	4	0	4	2141.0873	2141.0872	0.0001
5	2	3	4	2	2	2141.0943	2141.0943	0.0001
3	1	3	2	0	2	2141.1146	2141.1148	-0.0002
5	1	4	4	1	3	2141.1233	2141.1233	0.0000
7	0	7	6	1	6	2141.1299	2141.1301	-0.0002
6	1	6	5	1	5	2141.1950	2141.1951	-0.0001
6	0	6	5	0	5	2141.2258	2141.2259	-0.0001
6	2	4	5	2	3	2141.2425	2141.2424	0.0001
6	1	5	5	1	4	2141.2722	2141.2723	-0.0001
6	2	4	6	1	5	2141.3128	2141.3126	0.0001
7	1	7	6	1	6	2141.3309	2141.3308	0.0001
5	2	3	5	1	4	2141.3362	2141.3362	0.0000
5	1	5	4	0	4	2141.3471	2141.3471	0.0000
7	0	7	6	0	6	2141.3628	2141.3629	-0.0001
7	2	5	6	2	4	2141.3924	2141.3922	0.0002
2	2	0	2	1	1	2141.3966	2141.3967	-0.0001
8	1	8	7	1	7	2141.4663	2141.4662	0.0001
4	2	3	4	1	4	2141.4807	2141.4806	0.0002
8	0	8	7	0	7	2141.4980	2141.4981	-0.0001
8	2	6	7	2	5	2141.5436	2141.5436	0.0000
6	2	5	6	1	6	2141.5543	2141.5538	0.0005
8	1	7	7	1	6	2141.5679	2141.5687	-0.0009
9	1	9	8	1	8	2141.6012	2141.6012	0.0000
9	0	9	8	0	8	2141.6315	2141.6316	-0.0001
8	1	8	7	0	7	2141.6690	2141.6689	0.0001
2	2	1	1	1	0	2141.6947	2141.6939	0.0008
9	1	8	8	1	7	2141.7153	2141.7157	-0.0004
10	1	10	9	1	9	2141.7359	2141.7356	0.0003
10	0	10	9	0	9	2141.7634	2141.7635	-0.0001
3	2	2	2	1	1	2141.8240	2141.8242	-0.0002
10	2	8	9	2	7	2141.8495	2141.8502	-0.0007
11	1	11	10	1	10	2141.8695	2141.8695	-0.0000
11	0	11	10	0	10	2141.8942	2141.8943	-0.0001
4	2	3	3	1	2	2141.9480	2141.9482	-0.0002
12	0	12	11	0	11	2142.0242	2142.0242	0.0000
4	2	2	3	1	3	2142.0294	2142.0295	-0.0001
5	2	4	4	1	3	2142.0659	2142.0660	-0.0001
5	3	2	5	2	3	2142.0955	2142.0957	-0.0002
6	2	5	5	1	4	2142.1779	2142.1777	0.0002
5	2	3	4	1	4	2142.2049	2142.2049	0.0000

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6      2      4      5      1      5      2142.3922      2142.3917      0.0005
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Table A-2. Observed and calculated transitions in the CO-rock/disrotatory combination band of CO-N2O dimer (units of 1/cm).

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*****
J'   Ka'  Kc'   J''  Ka'' Kc''  Observed  Calculated  Obs-Calc
*****
4     1    4     5     2    3     2152.9952  2152.9954  -0.0002
4     1    3     5     2    4     2153.1317  2153.1321  -0.0004
3     1    3     4     2    2     2153.1700  2153.1697   0.0002
2     1    2     3     2    1     2153.3343  2153.3344  -0.0000
2     1    1     3     2    2     2153.3736  2153.3735   0.0001
8     0    8     9     1    9     2153.4756  2153.4761  -0.0005
1     1    1     2     2    0     2153.4905  2153.4907  -0.0002
1     1    0     2     2    1     2153.5036  2153.5035   0.0001
7     0    7     8     1    8     2153.5840  2153.5836   0.0004
5     1    5     5     2    4     2153.6858  2153.6859  -0.0002
6     0    6     7     1    7     2153.6907  2153.6908  -0.0001
3     1    3     3     2    2     2153.7440  2153.7439   0.0001
8     1    8     9     0    9     2153.7516  2153.7513   0.0004
2     1    2     2     2    1     2153.7629  2153.7631  -0.0002
5     0    5     6     1    6     2153.7992  2153.7989   0.0003
3     1    2     3     2    1     2153.8168  2153.8170  -0.0002
4     1    3     4     2    2     2153.8376  2153.8377  -0.0001
6     1    5     6     2    4     2153.8848  2153.8843   0.0005
6     0    6     7     0    7     2153.8934  2153.8935  -0.0001
4     0    4     5     1    5     2153.9093  2153.9094  -0.0001
8     1    7     8     2    6     2153.9247  2153.9246   0.0002
3     0    3     4     1    4     2154.0234  2154.0234  -0.0000
2     0    2     3     1    3     2154.1417  2154.1420  -0.0003
4     0    4     5     0    5     2154.1709  2154.1711  -0.0002
3     1    2     4     1    3     2154.2288  2154.2285   0.0003
5     1    5     6     0    6     2154.2430  2154.2424   0.0006
1     0    1     2     1    2     2154.2661  2154.2661  -0.0000
3     1    3     4     1    4     2154.2806  2154.2803   0.0003
7     0    7     7     1    6     2154.3118  2154.3119  -0.0001
2     1    1     3     1    2     2154.3774  2154.3776  -0.0001
0     0    0     1     1    1     2154.3959  2154.3961  -0.0002
4     1    4     5     0    5     2154.4068  2154.4065   0.0003
2     1    2     3     1    3     2154.4160  2154.4161  -0.0001
5     0    5     5     1    4     2154.4230  2154.4228   0.0002
2     0    2     3     0    3     2154.4527  2154.4528  -0.0001
4     0    4     4     1    3     2154.4618  2154.4617   0.0001
3     0    3     3     1    2     2154.4913  2154.4911   0.0002
2     0    2     2     1    1     2154.5121  2154.5121  -0.0000
1     0    1     1     1    0     2154.5257  2154.5256   0.0001
1     1    1     2     1    2     2154.5520  2154.5522  -0.0001
3     1    3     4     0    4     2154.5684  2154.5684  -0.0000
1     1    1     1     1    0     2154.8119  2154.8117   0.0001
1     1    1     1     1    0     2154.8119  2154.8117   0.0002
2     0    2     1     1    1     2154.8227  2154.8223   0.0004
1     1    0     1     1    1     2154.8367  2154.8368  -0.0002
1     1    1     2     0    2     2154.8806  2154.8809  -0.0002
3     0    3     2     1    2     2154.9753  2154.9751   0.0002
1     0    1     0     0    0     2155.0219  2155.0219  -0.0000
2     1    2     1     1    1     2155.0964  2155.0964  -0.0001
2     1    1     1     1    0     2155.1209  2155.1212  -0.0003
4     0    4     3     1    3     2155.1314  2155.1319  -0.0006
2     0    2     1     0    1     2155.1631  2155.1634  -0.0003
1     1    0     1     0    1     2155.1776  2155.1779  -0.0004
2     1    1     2     0    2     2155.1900  2155.1903  -0.0003
3     1    2     3     0    3     2155.2093  2155.2096  -0.0003
4     1    3     4     0    4     2155.2362  2155.2364  -0.0002

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5	1	4	5	0	5	2155.2712	2155.2718	-0.0006
5	0	5	4	1	4	2155.2915	2155.2915	0.0000
3	0	3	2	0	2	2155.3039	2155.3039	0.0000
1	1	1	0	0	0	2155.3074	2155.3080	-0.0005
6	1	5	6	0	6	2155.3167	2155.3167	-0.0001
4	1	4	3	1	3	2155.3674	2155.3673	0.0000
7	1	6	7	0	7	2155.3725	2155.3725	0.0001
5	2	3	4	2	2	2155.3846	2155.3845	0.0001
4	1	3	3	1	2	2155.4156	2155.4160	-0.0004
2	1	2	1	0	1	2155.4375	2155.4375	-0.0000
4	0	4	3	0	3	2155.4428	2155.4427	0.0001
6	0	6	5	1	5	2155.4523	2155.4524	-0.0001
5	1	5	4	1	4	2155.5026	2155.5021	0.0005
3	1	3	2	0	2	2155.5612	2155.5608	0.0004
5	0	5	4	0	4	2155.5798	2155.5796	0.0002
6	2	4	6	1	5	2155.6036	2155.6033	0.0003
7	0	7	6	1	6	2155.6125	2155.6131	-0.0006
5	2	3	5	1	4	2155.6267	2155.6264	0.0002
6	1	6	5	1	5	2155.6368	2155.6364	0.0004
4	2	2	4	1	3	2155.6495	2155.6495	-0.0001
3	2	1	3	1	2	2155.6704	2155.6705	-0.0001
4	1	4	3	0	3	2155.6786	2155.6781	0.0004
6	1	5	5	1	4	2155.7079	2155.7078	0.0000
6	0	6	5	0	5	2155.7149	2155.7141	0.0008
2	2	1	2	1	2	2155.7252	2155.7254	-0.0002
3	2	2	3	1	3	2155.7444	2155.7445	-0.0001
4	2	3	4	1	4	2155.7705	2155.7701	0.0004
5	1	5	4	0	4	2155.7906	2155.7902	0.0004
5	2	4	5	1	5	2155.8024	2155.8024	0.0000
6	2	5	6	1	6	2155.8415	2155.8414	0.0001
7	0	7	6	0	6	2155.8461	2155.8459	0.0002
7	1	6	6	1	5	2155.8519	2155.8523	-0.0004
7	2	6	7	1	7	2155.8870	2155.8871	-0.0001
6	1	6	5	0	5	2155.8984	2155.8981	0.0003
9	0	9	8	1	8	2155.9292	2155.9294	-0.0002
8	0	8	7	0	7	2155.9750	2155.9752	-0.0001
2	2	1	1	1	0	2155.9849	2155.9849	0.0000
2	2	0	1	1	1	2155.9980	2155.9980	-0.0000
7	1	7	6	0	6	2156.0033	2156.0029	0.0004
8	1	8	7	0	7	2156.1057	2156.1061	-0.0003
3	2	2	2	1	1	2156.1147	2156.1146	0.0001
7	3	4	7	2	5	2156.1293	2156.1295	-0.0002
3	2	1	2	1	2	2156.1545	2156.1546	-0.0001
9	1	9	8	0	8	2156.2080	2156.2089	-0.0009
4	2	3	3	1	2	2156.2378	2156.2378	-0.0000
4	2	2	3	1	3	2156.3199	2156.3198	0.0001
5	2	4	4	1	3	2156.3547	2156.3547	0.0000
6	2	5	5	1	4	2156.4655	2156.4652	0.0003
5	2	3	4	1	4	2156.4954	2156.4951	0.0003
8	2	7	7	1	6	2156.6679	2156.6681	-0.0002
6	2	4	5	1	5	2156.6831	2156.6824	0.0007
5	3	3	4	2	2	2156.8623	2156.8626	-0.0003
5	3	2	4	2	3	2156.8677	2156.8680	-0.0002

Table A-3. Observed and calculated transitions in the torsional combination band of CO-N<sub>2</sub>O dimer (units of 1/cm).

J'	Ka'	Kc'	J''	Ka''	Kc''	Observed	Calculated	Obs-Calc
5	1	4	6	2	4	2159.8590	2159.8610	-0.0020
3	1	3	4	2	3	2160.0175	2160.0180	-0.0006
3	0	2	4	2	2	2160.0863	2160.0873	-0.0010
6	1	6	7	1	6	2160.1142	2160.1141	0.0001

2	1	1	3	2	1	2160.2078	2160.2076	0.0002
1	0	0	2	2	0	2160.3348	2160.3344	0.0005
4	1	4	5	1	4	2160.4621	2160.4631	-0.0010
5	1	5	5	2	3	2160.5400	2160.5390	0.0010
4	1	4	4	2	2	2160.5644	2160.5658	-0.0015
3	0	3	3	2	1	2160.5850	2160.5853	-0.0003
3	1	3	4	1	3	2160.6293	2160.6293	-0.0000
2	1	1	2	2	1	2160.6362	2160.6363	-0.0001
3	1	2	3	2	2	2160.6612	2160.6615	-0.0003
5	0	4	5	2	4	2160.7378	2160.7370	0.0008
2	0	2	3	1	2	2160.7905	2160.7906	-0.0001
1	0	1	2	1	1	2160.9478	2160.9476	0.0003
0	0	0	1	1	0	2161.1008	2161.1005	0.0003
6	1	5	7	0	7	2161.2179	2161.2179	0.0000
1	1	1	1	1	1	2161.2580	2161.2578	0.0001
4	0	3	3	2	1	2161.2629	2161.2624	0.0005
2	1	2	2	1	2	2161.2749	2161.2747	0.0002
5	0	4	6	0	6	2161.2943	2161.2934	0.0008
3	0	3	3	1	3	2161.2996	2161.2995	0.0001
4	0	4	4	1	4	2161.3312	2161.3318	-0.0006
5	0	5	5	1	5	2161.3723	2161.3707	0.0015
7	1	7	7	1	7	2161.4643	2161.4647	-0.0004
3	0	2	4	0	4	2161.4853	2161.4860	-0.0006
2	1	2	1	1	0	2161.5344	2161.5343	0.0001
2	0	1	3	0	3	2161.5995	2161.6001	-0.0006
3	1	3	2	1	1	2161.6695	2161.6696	-0.0002
1	0	0	2	0	2	2161.7244	2161.7245	-0.0001
4	1	4	3	1	2	2161.7989	2161.7995	-0.0006
9	1	9	9	0	9	2161.9067	2161.9081	-0.0014
8	1	8	8	0	8	2161.9130	2161.9132	-0.0002
7	1	7	7	0	7	2161.9238	2161.9228	0.0009
6	1	6	6	0	6	2161.9365	2161.9356	0.0009
5	0	5	5	0	5	2161.9513	2161.9500	0.0013
2	1	2	2	0	2	2161.9891	2161.9889	0.0002
1	3	1	1	0	1	2161.9964	2161.9967	-0.0003
6	1	6	5	1	4	2162.0397	2162.0392	0.0005
1	2	0	0	0	0	2162.1516	2162.1516	0.0000
7	2	6	7	1	6	2162.7426	2162.7428	-0.0002
6	2	5	6	1	5	2162.7705	2162.7707	-0.0001
4	1	3	4	1	3	2162.8166	2162.8166	0.0000
5	2	4	4	0	4	2162.8416	2162.8413	0.0003
2	2	0	2	1	2	2162.8836	2162.8854	-0.0017
3	2	1	3	1	3	2162.9132	2162.9113	0.0019
4	2	2	4	1	4	2162.9475	2162.9475	-0.0000
5	1	3	5	1	5	2162.9956	2162.9952	0.0004
6	2	5	5	0	5	2163.0382	2163.0384	-0.0003
2	2	0	1	1	0	2163.1435	2163.1449	-0.0014
2	2	1	1	1	1	2163.1559	2163.1573	-0.0015
3	2	1	2	1	1	2163.2834	2163.2814	0.0020
3	2	2	2	1	2	2163.3200	2163.3180	0.0020
4	2	3	3	1	3	2163.4875	2163.4869	0.0006
5	2	3	4	1	3	2163.5468	2163.5475	-0.0006
5	2	4	4	1	4	2163.6645	2163.6641	0.0004
6	1	4	5	1	4	2163.6795	2163.6798	-0.0003
5	2	2	5	2	4	2163.8396	2163.8405	-0.0009
6	2	5	5	1	5	2163.8507	2163.8498	0.0009

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Table A-4. Observed and calculated transitions in the torsional combination band of CO-N2O dimer (units of 1/cm).

J'	Ka'	Kc'	J''	Ka''	Kc''	Observed	Calculated	Obs-Calc
4	1	4	5	2	3	2223.4891	2223.4893	-0.0001

5	1	4	6	2	5	2223.5174	2223.5180	-0.0006
9	2	8	9	3	7	2223.5412	2223.5416	-0.0003
8	2	7	8	3	6	2223.5517	2223.5523	-0.0005
7	2	6	7	3	5	2223.5604	2223.5599	0.0005
4	2	2	4	3	1	2223.5749	2223.5752	-0.0004
6	2	4	6	3	3	2223.5898	2223.5889	0.0009
7	2	5	7	3	4	2223.6027	2223.6020	0.0007
4	1	3	5	2	4	2223.6288	2223.6286	0.0002
3	1	3	4	2	2	2223.6639	2223.6639	-0.0000
3	1	2	4	2	3	2223.7459	2223.7455	0.0004
2	1	2	3	2	1	2223.8291	2223.8289	0.0002
2	1	1	3	2	2	2223.8688	2223.8688	0.0000
1	1	1	2	2	0	2223.9855	2223.9854	0.0001
1	1	0	2	2	1	2223.9987	2223.9985	0.0002
7	0	7	8	1	8	2224.0334	2224.0336	-0.0002
7	1	7	7	2	6	2224.0942	2224.0932	0.0011
6	0	6	7	1	7	2224.1389	2224.1387	0.0002
3	1	3	3	2	2	2224.2382	2224.2382	0.0000
5	0	5	6	1	6	2224.2451	2224.2451	-0.0000
2	1	1	2	2	0	2224.2956	2224.2955	0.0001
3	1	2	3	2	1	2224.3131	2224.3128	0.0003
4	0	4	5	1	5	2224.3540	2224.3544	-0.0004
4	0	4	5	1	5	2224.3540	2224.3544	-0.0003
5	1	4	5	2	3	2224.3580	2224.3581	-0.0001
6	1	5	6	2	4	2224.3825	2224.3827	-0.0002
3	0	3	4	1	4	2224.4674	2224.4675	-0.0001
8	0	8	8	1	7	2224.6905	2224.6903	0.0002
1	0	1	2	1	2	2224.7095	2224.7095	0.0001
6	0	6	6	1	5	2224.8210	2224.8212	-0.0001
0	0	0	1	1	1	2224.8394	2224.8393	0.0000
5	0	5	5	1	4	2224.8690	2224.8690	-0.0000
4	1	4	5	0	5	2224.8991	2224.9003	-0.0012
3	0	3	3	1	2	2224.9352	2224.9352	-0.0000
2	0	2	2	1	1	2224.9557	2224.9558	-0.0001
1	0	1	1	1	0	2224.9690	2224.9690	0.0000
2	1	2	3	0	3	2225.2215	2225.2214	0.0001
6	1	5	5	2	4	2225.2588	2225.2587	0.0000
2	0	2	1	1	1	2225.2662	2225.2660	0.0003
1	1	1	2	0	2	2225.3759	2225.3756	0.0003
1	1	0	1	0	1	2225.6728	2225.6729	-0.0001
2	1	1	2	0	2	2225.6856	2225.6856	-0.0000
3	1	2	3	0	3	2225.7055	2225.7054	0.0001
4	1	3	4	0	4	2225.7331	2225.7329	0.0002
5	0	5	4	1	4	2225.7378	2225.7377	0.0002
5	1	4	5	0	5	2225.7692	2225.7691	0.0001
1	1	1	0	0	0	2225.8026	2225.8027	-0.0001
6	1	5	6	0	6	2225.8149	2225.8151	-0.0002
7	1	6	7	0	7	2225.8723	2225.8721	0.0003
8	1	7	8	0	8	2225.9408	2225.9410	-0.0001
3	1	3	2	0	2	2226.0548	2226.0550	-0.0002
4	1	4	3	0	3	2226.1719	2226.1719	-0.0001
5	1	5	4	0	4	2226.2834	2226.2836	-0.0002
3	2	1	3	1	2	2226.3133	2226.3133	0.0000
2	2	0	2	1	1	2226.3311	2226.3313	-0.0002
2	2	1	2	1	2	2226.3689	2226.3690	-0.0001
4	2	3	4	1	4	2226.4122	2226.4123	-0.0002
5	2	4	5	1	5	2226.4431	2226.4435	-0.0005
6	2	5	6	1	6	2226.4814	2226.4812	0.0002
7	1	7	6	0	6	2226.4948	2226.4948	-0.0000
2	2	1	1	1	0	2226.6286	2226.6285	0.0001
3	2	2	2	1	1	2226.7576	2226.7576	0.0000
3	2	1	2	1	2	2226.7976	2226.7974	0.0002
4	2	3	3	1	2	2226.8799	2226.8800	-0.0001
4	2	2	3	1	3	2226.9614	2226.9613	0.0001
5	2	4	4	1	3	2226.9954	2226.9958	-0.0005
6	3	3	6	2	4	2227.0049	2227.0046	0.0003
4	3	1	4	2	2	2227.0203	2227.0206	-0.0003
6	2	5	5	1	4	2227.1052	2227.1051	0.0001

5	2	3	4	1	4	2227.1350	2227.1347	0.0003
7	2	6	6	1	5	2227.2072	2227.2079	-0.0007
7	2	5	8	3	6	2222.4635	2222.4633	0.0002
6	2	4	7	3	5	2222.5920	2222.5922	-0.0002
5	2	4	6	3	3	2222.7133	2222.7132	0.0001
2	2	0	1	1	1	2226.6417	2226.6415	0.0002
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