

Energy levels determined from the transitions

Column 1: isotopologue number in HITRAN format

Column 2: v1v2v3 vibrational assignment in normal mode notation

Column 3-5: J Ka Kc

Column 6: term value in cm-1

Column 7: statistical error in the term value in cm-1 (If N=1, undetermined).

Column 8: number of transitions to specified term,

11 002	1 0 1	7468.341650	0.010000	1
11 002	1 1 1	7479.635540	0.010000	1
11 002	1 1 0	7484.935205	0.010000	1
11 002	2 0 2	7513.430369	0.010000	1
11 002	2 1 2	7520.933684	0.010000	1
11 002	2 1 1	7536.812178	0.010000	1
11 002	2 2 1	7570.462805	0.007071	2
11 002	2 2 0	7571.936313	0.005774	3
11 002	3 0 3	7577.973533	0.010000	1
11 002	3 1 3	7582.016580	0.010000	1
11 002	3 1 2	7613.423716	0.002181	2
11 002	3 2 2	7640.387539	0.007071	2
11 002	3 2 1	7647.077711	0.007071	2
11 002	3 3 1	7709.668557	0.002866	4
11 002	3 3 0	7709.937358	0.002366	3
11 002	4 0 4	7660.320324	0.010000	1
11 002	4 1 4	7662.186592	0.007071	2
11 002	4 1 3	7713.081539	0.002163	2
11 002	4 2 3	7732.303898	0.005774	3
11 002	4 2 2	7749.464823	0.002557	3
11 002	4 3 2	7805.303273	0.003019	4
11 002	4 3 1	7807.075769	0.002409	3
11 002	4 4 1	7897.447389	0.002022	4
11 002	4 4 0	7897.489203	0.002280	4
11 002	5 0 5	7760.141607	0.010000	1
11 002	5 1 5	7760.903327	0.007071	2
11 002	5 1 4	7833.395707	0.007071	2
11 002	5 2 4	7845.234672	0.002339	3
11 002	5 2 3	7878.112195	0.002561	3
11 002	5 3 3	7924.597957	0.002455	4
11 002	5 3 2	7930.852206	0.001534	4
11 002	5 4 2	8017.620159	0.002463	3
11 002	5 4 1	8017.970801	0.001631	4
11 002	5 5 1	8132.697796	0.003978	3
11 002	5 5 0	8132.705755	0.003151	3
11 002	6 0 6	7877.871561	0.010000	1
11 002	6 1 6	7877.854031	0.007071	2

11 002	6 1 5	7972.562625	0.007071	2
11 002	6 2 5	7978.196308	0.005774	3
11 002	6 2 4	8031.110651	0.002571	3
11 002	6 3 4	8066.810153	0.005000	4
11 002	6 3 3	8082.318619	0.001998	4
11 002	6 4 3	8161.887404	0.005774	3
11 002	6 4 2	8163.478313	0.001833	4
11 002	6 5 2	8277.379383	0.002581	3
11 002	6 5 1	8277.439528	0.003720	3
11 002	6 6 1	8413.773743	0.002002	3
11 002	6 6 0	8413.773370	0.000985	1
11 002	7 1 7	8014.150493	0.010000	1
11 002	7 1 6	8125.813136	0.007071	2
11 002	7 2 6	8130.397641	0.005774	3
11 002	7 2 5	8205.808580	0.002448	3
11 002	7 3 5	8231.026026	0.002375	4
11 002	7 3 4	8261.127290	0.002842	4
11 002	7 4 4	8329.892249	0.002397	4
11 002	7 4 3	8334.955837	0.001770	5
11 002	7 5 3	8446.090028	0.001463	3
11 002	7 5 2	8446.411393	0.002126	4
11 002	7 6 2	8584.005206	0.002275	2
11 002	7 6 1	8584.015096	0.002153	3
11 002	7 7 0	8738.826744	0.002249	2
11 002	8 1 8	8164.709337	0.001215	1
11 002	8 1 7	8298.476330	0.002477	2
11 002	8 2 7	8301.748512	0.005774	3
11 002	8 2 6	8399.450425	0.001479	3
11 002	8 3 6	8416.574450	0.005774	3
11 002	8 3 5	8465.524587	0.002441	3
11 002	8 4 5	8520.966701	0.005774	3
11 002	8 4 4	8533.353239	0.001852	3
11 002	8 5 4	8638.703959	0.002428	3
11 002	8 5 3	8639.930595	0.001151	4
11 002	8 6 3	8777.548911	0.001775	3
11 002	8 6 2	8777.600375	0.002399	2
11 002	8 7 2	8926.528943	0.010000	1

11 002	8 8 1	9105.964973	0.002999	2
11 002	9 0 9	8335.489051	0.000975	1
11 002	9 1 9	8335.539293	0.001143	1
11 002	9 1 8	8488.030425	0.002356	2
11 002	9 2 8	8486.873748	0.000589	3
11 002	9 2 7	8610.010655	0.000731	2
11 002	9 3 7	8614.342739	0.000782	3
11 002	9 3 6	8692.969843	0.002422	3
11 002	9 4 6	8734.213555	0.000486	4
11 002	9 4 5	8757.783544	0.001838	3
11 002	9 5 5	8854.922222	0.000521	4
11 002	9 5 4	8858.597620	0.001503	5
11 002	9 6 4	8994.462474	0.000975	3
11 002	9 6 3	8994.690046	0.001983	3
11 002	9 7 3	9139.678933	0.001127	1
11 002	9 7 2	9139.685403	0.000804	2
11 002	9 8 1	9328.583603	0.000974	1
11 002	9 9 0	9513.415195	0.001016	1
11 002	10 0 10	8523.784093	0.001074	1
11 002	10 1 10	8523.794132	0.000966	1
11 002	10 1 9	8696.044873	0.000846	2
11 002	10 2 9	8694.333996	0.002329	2
11 002	10 2 8	8836.856995	0.001043	2
11 002	10 3 8	8840.046053	0.001023	4
11 002	10 3 7	8940.593096	0.000987	2
11 002	10 4 7	8968.654824	0.000480	4
11 002	10 4 6	9016.228892	0.000620	3
11 002	10 5 6	9094.224358	0.000563	3
11 002	10 5 5	9103.302362	0.000856	2
11 002	10 6 5	9234.675137	0.000629	4
11 002	10 6 4	9235.451099	0.001359	3
11 002	10 7 4	9377.077701	0.000960	2
11 002	10 7 3	9377.112015	0.001812	1
11 002	10 8 3	9571.378071	0.001070	1
11 002	10 9 2	9751.648999	0.001271	1
11 002	10 10 1	9960.855823	0.001662	1
11 002	11 0 11	8729.672407	0.000984	1

11	002	11	1	11	8729.681623	0.001118	1
11	002	11	1	10	8918.282176	0.000779	2
11	002	11	2	10	8918.514434	0.000992	2
11	002	11	2	9	9079.855052	0.000734	2
11	002	11	3	9	9076.578527	0.001256	4
11	002	11	3	8	9205.753956	0.000763	3
11	002	11	4	8	9223.386528	0.000768	4
11	002	11	4	7	9292.697783	0.000626	3
11	002	11	5	7	9355.864007	0.000776	3
11	002	11	5	6	9374.783192	0.000649	3
11	002	11	6	6	9497.980200	0.000852	2
11	002	11	6	5	9500.215534	0.001468	3
11	002	11	7	5	9666.968594	0.001788	1
11	002	11	7	4	9638.474056	0.001414	2
11	002	11	8	4	9836.341029	0.002948	1
11	002	11	8	3	9836.345862	0.001501	1
11	002	11	9	2	10013.048083	0.002629	1
11	002	11	10	1	10225.275022	0.002872	1
11	002	12	1	12	8953.158356	0.000989	1
11	002	12	1	11	9159.992201	0.001311	2
11	002	12	2	11	9160.064779	0.000853	2
11	002	12	2	10	9342.225668	0.001740	2
11	002	12	3	10	9339.328832	0.000651	4
11	002	12	3	9	9486.860079	0.001957	1
11	002	12	4	9	9497.930221	0.000674	4
11	002	12	4	8	9591.498647	0.001805	2
11	002	12	5	8	9638.955670	0.000773	3
11	002	12	5	7	9672.748770	0.002310	1
11	002	12	6	7	9784.012808	0.003918	3
11	002	12	7	6	9953.615936	0.001764	1
11	002	12	8	5	10123.483661	0.002216	1
11	002	12	8	4	10123.504805	0.003824	1
11	002	13	0	13	9194.174751	0.001065	1
11	002	13	1	12	9418.984050	0.001845	1
11	002	13	2	11	9615.063311	0.001489	2
11	002	13	3	11	9615.892224	0.003741	1
11	002	13	3	10	9783.759633	0.001585	2

11 002	13 4 10	9796.181940	0.000920	2
11 002	13 4 9	9909.245977	0.001965	1
11 002	13 5 8	9995.104366	0.003356	1
11 002	13 6 8	10092.243563	0.003719	1
11 002	13 6 7	10104.302920	0.002220	1
11 002	14 0 14	9452.490503	0.002024	1
11 002	14 1 14	9452.391883	0.001380	1
11 002	14 2 13	9695.320595	0.002703	1
11 002	14 3 12	9909.421561	0.003105	1
11 002	15 0 15	9728.416902	0.001914	1
11 012	0 0 0	9000.136973	0.010000	1
11 012	1 0 1	9023.490327	0.007071	2
11 012	1 1 1	9037.197980	0.005774	3
11 012	1 1 0	9042.833686	0.010000	1
11 012	2 0 2	9068.750977	0.005774	3
11 012	2 1 2	9078.281799	0.007071	2
11 012	2 1 1	9095.162796	0.005774	3
11 012	2 2 1	9135.844151	0.003287	6
11 012	2 2 0	9137.253590	0.002424	4
11 012	3 0 3	9133.581870	0.002469	4
11 012	3 1 3	9139.068623	0.001394	5
11 012	3 1 2	9172.509547	0.002153	5
11 012	3 2 2	9205.969205	0.002410	5
11 012	3 2 1	9212.469664	0.004472	5
11 012	3 3 1	9287.206701	0.001804	5
11 012	3 3 0	9287.439123	0.001664	6
11 012	4 0 4	9216.151818	0.001337	6
11 012	4 1 4	9218.859178	0.002692	5
11 012	4 1 3	9273.235342	0.001936	5
11 012	4 2 3	9298.212008	0.002360	5
11 012	4 2 2	9315.183199	0.001594	4
11 012	4 3 2	9383.116484	0.001446	8
11 012	4 3 1	9384.650028	0.001534	6
11 012	4 4 1	9490.952583	0.002780	5
11 012	4 4 0	9490.983439	0.002011	5
11 012	5 0 5	9316.190212	0.001658	9
11 012	5 1 5	9317.086919	0.001558	5

11 012	5 1 4	9394.976466	0.001129	6
11 012	5 2 4	9411.637243	0.001391	6
11 012	5 2 3	9444.690466	0.002018	6
11 012	5 3 3	9502.700823	0.000952	7
11 012	5 3 2	9508.227075	0.001208	7
11 012	5 4 2	9611.537438	0.001161	6
11 012	5 4 1	9611.809329	0.001543	6
11 012	5 5 1	9745.196320	0.001222	4
11 012	5 5 0	9745.198921	0.001436	6
11 012	6 0 6	9432.513160	0.000872	5
11 012	6 1 6	9433.503739	0.005000	4
11 012	6 1 5	9535.427639	0.001459	5
11 012	6 2 5	9545.368924	0.001824	6
11 012	6 2 4	9599.180491	0.000911	5
11 012	6 3 4	9645.246035	0.001286	8
11 012	6 3 3	9659.283419	0.000713	7
11 012	6 4 3	9756.308471	0.000956	10
11 012	6 4 2	9757.551058	0.000785	7
11 012	6 5 2	9891.157805	0.002192	5
11 012	6 5 1	9891.196913	0.001140	5
11 012	6 6 1	10047.519921	0.001429	3
11 012	6 6 0	10047.519748	0.000985	2
11 012	7 0 7	9566.899095	0.000863	5
11 012	7 1 7	9566.500767	0.001060	6
11 012	7 1 6	9692.272824	0.000886	7
11 012	7 2 6	9700.327701	0.000429	5
11 012	7 2 5	9776.239835	0.001360	5
11 012	7 3 5	9809.809746	0.000437	6
11 012	7 3 4	9836.477296	0.000994	7
11 012	7 4 4	9924.984284	0.000512	7
11 012	7 4 3	9929.016198	0.000852	8
11 012	7 5 3	10060.912542	0.000527	6
11 012	7 5 2	10061.120690	0.000921	8
11 012	7 6 2	10213.721967	0.000648	3
11 012	7 6 1	10213.725736	0.001391	3
11 012	7 7 1	10395.452415	0.002334	1
11 012	7 7 0	10395.456464	0.000806	2

11 012	8 0 8	9718.197295	0.001580	3
11 012	8 1 8	9718.537259	0.001056	4
11 012	8 1 7	9866.012235	0.000905	5
11 012	8 2 7	9868.302323	0.001360	7
11 012	8 2 6	9973.124289	0.000590	4
11 012	8 3 6	9995.373990	0.000493	7
11 012	8 3 5	10045.298269	0.000737	3
11 012	8 4 5	10117.003802	0.000455	7
11 012	8 4 4	10127.269930	0.000766	5
11 012	8 5 4	10254.420294	0.000438	7
11 012	8 5 3	10255.200659	0.000769	6
11 012	8 6 3	10404.097582	0.000788	5
11 012	8 6 2	10404.130440	0.000892	3
11 012	8 7 2	10587.956582	0.000928	2
11 012	8 7 1	10587.953246	0.001591	2
11 012	8 8 1	10786.811870	0.001369	2
11 012	8 8 0	10786.811619	0.008418	1
11 012	9 0 9	9887.661735	0.001996	3
11 012	9 1 9	9887.754423	0.002524	3
11 012	9 1 8	10056.763646	0.000739	4
11 012	9 2 8	10056.486581	0.001617	4
11 012	9 2 7	10187.414275	0.000592	4
11 012	9 3 7	10201.026513	0.000632	5
11 012	9 3 6	10274.568020	0.001007	7
11 012	9 4 6	10331.567138	0.000707	5
11 012	9 4 5	10353.028382	0.000753	5
11 012	9 5 5	10471.484545	0.000809	5
11 012	9 5 4	10473.857306	0.000581	6
11 012	9 6 4	10618.393557	0.001164	3
11 012	9 6 3	10618.529265	0.000953	5
11 012	9 7 3	10804.130259	0.002066	1
11 012	9 7 2	10804.122207	0.001400	2
11 012	9 8 2	11002.102628	0.004347	1
11 012	9 8 1	11002.105296	0.001841	2
11 012	9 9 1	11220.894825	0.005366	1
11 012	9 9 0	11220.894805	0.002386	1
11 012	10 0 10	10074.347080	0.000996	1

11	012	10	1	10	10074.465233	0.001893	3
11	012	10	1	9	10262.629728	0.001309	4
11	012	10	2	9	10263.845817	0.000751	3
11	012	10	2	8	10417.857748	0.002025	2
11	012	10	3	8	10426.584461	0.000581	6
11	012	10	3	7	10525.826987	0.001475	2
11	012	10	4	7	10567.741723	0.000653	6
11	012	10	4	6	10605.796303	0.001664	2
11	012	10	5	6	10711.744714	0.000602	6
11	012	10	5	5	10717.801713	0.001196	2
11	012	10	6	5	10856.354028	0.001447	2
11	012	10	6	4	10856.801501	0.001656	1
11	012	10	7	4	11043.789053	0.002311	1
11	012	10	7	3	11043.815817	0.004792	1
11	012	10	8	3	11240.988580	0.002536	3
11	012	10	8	2	11240.987406	0.007524	1
11	012	10	9	2	11462.318082	0.006098	1
11	012	10	9	1	11462.318192	0.016652	1
11	012	11	0	11	10278.415443	0.000968	1
11	012	11	1	11	10278.293909	0.001122	1
11	012	11	1	10	10487.964751	0.000868	2
11	012	11	2	10	10488.262562	0.001742	1
11	012	11	2	9	10664.668556	0.001251	3
11	012	11	3	9	10664.778469	0.001527	3
11	012	11	3	8	10795.685250	0.001553	2
11	012	11	4	8	10824.732750	0.002655	2
11	012	11	4	7	10883.515869	0.001795	2
11	012	11	5	7	10974.654795	0.002480	2
11	012	11	5	6	10988.108319	0.001386	3
11	012	11	6	6	11117.707593	0.002356	1
11	012	11	6	5	11118.927540	0.001194	2
11	012	11	7	4	11274.688951	0.001831	1
11	012	11	8	3	11502.948938	0.004502	1
11	012	12	0	12	10500.067852	0.001637	1
11	012	12	1	12	10499.819853	0.001134	1
11	012	12	1	11	10729.849804	0.002546	2
11	012	12	2	11	10729.985681	0.001261	2

11	012	12	3	10	10926.767803	0.002109	2
11	012	12	4	9	11102.945868	0.001209	4
11	012	12	5	8	11259.568002	0.001828	2
11	012	12	6	7	11402.121084	0.002530	1
11	012	12	6	6	11404.950988	0.005276	1
11	012	13	0	13	10738.730057	0.002971	1
11	012	13	1	13	10738.291484	0.002702	1
11	012	13	1	12	10988.992813	0.003018	1
11	012	13	2	11	11203.629916	0.004514	1
11	012	13	4	10	11386.052412	0.004440	1
11	021	5	5	1	7723.605633	0.000940	1
11	021	5	5	0	7723.627717	0.000991	1
11	021	6	5	2	7868.620314	0.010000	1
11	021	6	5	1	7869.355299	0.010000	1
11	021	6	6	1	8063.012703	0.001010	1
11	021	6	6	0	8063.012427	0.000938	1
11	021	7	4	3	7874.258073	0.000985	1
11	021	7	5	3	8039.683842	0.010000	1
11	021	7	5	2	8039.387898	0.000947	1
11	021	7	6	2	8233.406880	0.001003	1
11	021	7	6	1	8233.412341	0.000980	1
11	021	7	7	1	8448.752640	0.001083	1
11	021	7	7	0	8448.751410	0.001453	1
11	021	8	4	4	8072.009245	0.000980	1
11	021	8	5	4	8233.731306	0.001441	1
11	021	8	5	3	8233.796532	0.010000	1
11	021	8	6	3	8427.771996	0.001009	1
11	021	8	6	2	8427.794500	0.000932	1
11	021	8	7	2	8643.788057	0.001388	1
11	021	8	7	1	8643.787160	0.001031	1
11	021	8	8	0	8874.295173	0.001812	1
11	021	9	4	5	8296.873997	0.001623	1
11	021	9	5	5	8451.799883	0.003184	2
11	021	9	5	4	8452.762261	0.001074	1
11	021	9	6	4	8645.959460	0.000953	1
11	021	9	6	3	8646.054427	0.001032	1
11	021	9	7	3	8862.433037	0.001129	1

11	021	9	7	2	8862.433668	0.001300	1
11	021	9	8	2	9093.035446	0.001800	1
11	021	9	8	1	9093.035719	0.003321	1
11	021	9	9	1	9375.828436	0.003601	1
11	021	10	3	8	8358.617808	0.000932	1
11	021	10	4	7	8521.998255	0.010000	1
11	021	10	4	6	8549.242750	0.001475	1
11	021	10	5	6	8693.523147	0.000964	1
11	021	10	5	5	8696.613692	0.000999	1
11	021	10	6	5	8887.791800	0.001203	1
11	021	10	6	4	8888.122123	0.000960	1
11	021	10	7	4	9104.453037	0.001541	1
11	021	10	7	3	9104.469023	0.001178	1
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11	101	9	2	7	8412.631216	0.007071	2
11	101	9	3	7	8419.793536	0.010000	1
11	101	9	3	6	8503.734122	0.002445	3
11	101	9	4	6	8535.728354	0.010000	1
11	101	9	4	5	8558.235594	0.003754	3
11	101	9	5	5	8657.910872	0.003233	3
11	101	9	5	4	8660.382230	0.002849	2
11	101	9	6	4	8798.643671	0.003039	2
11	101	9	6	3	8798.604460	0.000946	1

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11	101	9	7	2	8961.017886	0.001303	2
11	101	9	8	2	9161.852819	0.000952	1
11	101	9	8	1	9161.848979	0.001044	1
11	101	9	9	1	9314.823253	0.001084	2
11	101	9	9	0	9314.817053	0.004721	1
11	101	10	2	8	8639.113569	0.007071	2
11	101	10	3	8	8642.345590	0.007071	2
11	101	10	3	7	8744.819453	0.004281	3
11	101	10	4	7	8768.839309	0.007071	2
11	101	10	4	6	8807.719378	0.002650	3
11	101	10	5	6	8894.959547	0.010000	1
11	101	10	5	5	8901.992721	0.003030	3
11	101	10	6	5	9035.697534	0.000982	1
11	101	10	6	4	9035.780607	0.003232	2
11	101	10	7	4	9197.456750	0.001759	1
11	101	10	7	3	9197.312499	0.001215	1
11	101	10	8	3	9403.032532	0.001243	1
11	101	10	8	2	9403.014626	0.001006	1
11	101	10	9	1	9551.362660	0.001413	2
11	101	10	10	0	9783.242397	0.002921	1
11	101	11	1	10	8719.468020	0.010000	1
11	101	11	2	10	8720.236480	0.010000	1
11	101	11	2	9	8882.664409	0.002211	2
11	101	11	3	9	8883.038015	0.007071	2
11	101	11	3	8	9007.830660	0.002180	2
11	101	11	4	8	9022.492748	0.007071	2
11	101	11	4	7	9086.448741	0.001590	3
11	101	11	5	7	9154.450990	0.007071	2
11	101	11	5	6	9170.243591	0.002162	2
11	101	11	6	6	9296.357077	0.000958	1
11	101	11	6	5	9297.193136	0.001040	1
11	101	11	7	5	9457.533078	0.001466	2
11	101	11	7	4	9457.144542	0.002161	1
11	101	11	8	4	9667.040533	0.001157	1
11	101	11	10	2	10048.424900	0.004295	1
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11	101	13	3	11	9416.952122	0.002345	2
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11	101	13	4	10	9587.309142	0.002299	2
11	101	13	4	9	9712.558626	0.000938	2
11	101	13	5	9	9737.398284	0.002387	2
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11	101	13	6	8	9886.096611	0.000807	2
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11	101	13	8	6	10263.446707	0.002070	2
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11	101	14	4	11	9896.689727	0.001145	2

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11	101	14	5	10	10059.799840	0.001143	1
11	101	14	5	9	10133.021442	0.000935	2
11	101	14	6	9	10213.594621	0.001548	1
11	101	14	6	8	10230.676092	0.001219	2
11	101	14	7	8	10378.592866	0.003152	1
11	101	14	7	7	10376.924215	0.001926	1
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11	101	15	1	14	9787.379110	0.000960	1
11	101	15	2	14	9787.378181	0.002819	2
11	101	15	3	13	10019.253849	0.001278	2
11	101	15	3	12	10221.518950	0.001611	2
11	101	15	4	12	10223.767773	0.001638	2
11	101	15	5	11	10399.776326	0.001531	2
11	101	15	6	10	10561.737959	0.001688	1
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11	101	16	1	15	10097.175053	0.001007	1
11	101	16	2	15	10097.199502	0.001029	1
11	101	17	1	17	10127.283513	0.000964	1
11	101	17	2	16	10424.016015	0.001172	1
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11	101	19	1	19	10796.815090	0.002232	1
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11	111	3	0	3	8939.962148	0.004472	5
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11	111	4	4	0	9305.521223	0.001728	7
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11	111	5	1	5	9123.031130	0.003079	6
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11	111	7	4	3	9737.308894	0.001736	7
11	111	7	5	3	9873.226324	0.001726	7
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11	111	10	6	4	10678.429139	0.001110	4
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11	111	11	6	6	10940.806302	0.000665	4
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11	120	8	5	3	8156.855402	0.003340	1
11	120	8	7	2	8591.359634	0.001920	1
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11	120	9	5	5	8375.674173	0.001307	1
11	120	9	7	2	8809.040675	0.002410	1
11	120	9	8	2	9059.144805	0.001217	1
11	120	9	8	1	9059.079573	0.001081	1
11	120	9	9	0	9227.587867	0.002013	1
11	120	10	5	6	8613.878340	0.001413	1

11	120	10	6	5	8818.746038	0.003268	1
11	120	10	10	1	9800.908620	0.001845	1
11	120	11	5	7	8876.200306	0.002580	2
11	120	11	6	5	9083.395378	0.001378	3
11	120	12	2	10	8770.106707	0.001134	1
11	120	12	3	10	8774.158274	0.001036	1
11	120	12	4	9	8969.946160	0.000935	1
11	120	12	5	8	9164.067561	0.001376	2
11	120	13	3	10	9239.764812	0.001249	1
11	120	13	5	9	9456.327495	0.002772	1
11	120	14	4	10	9702.196588	0.001250	1
11	120	15	5	10	10206.736313	0.002070	1
11	121	0	0	0	10328.730335	0.000948	1
11	121	1	0	1	10351.989375	0.000719	2
11	121	1	1	1	10369.715882	0.000666	2
11	121	1	1	0	10375.592559	0.000730	2
11	121	2	0	2	10397.221738	0.001719	3
11	121	2	1	2	10410.230895	0.000624	3
11	121	2	1	1	10427.687835	0.000550	3
11	121	2	2	1	10480.323281	0.000755	2
11	121	2	2	0	10481.552344	0.001757	3
11	121	3	0	3	10462.219054	0.000694	2
11	121	3	1	3	10470.347265	0.002450	3
11	121	3	1	2	10504.044387	0.000923	3
11	121	3	2	2	10549.943162	0.000556	3
11	121	3	2	1	10555.723086	0.001350	2
11	121	3	3	1	10650.031804	0.000944	1
11	121	3	3	0	10650.221034	0.001447	1
11	121	4	0	4	10544.987673	0.001234	2
11	121	4	1	4	10549.400208	0.000765	3
11	121	4	1	3	10607.672899	0.000590	3
11	121	4	2	3	10641.691683	0.000897	2
11	121	4	2	2	10657.171559	0.000578	3
11	121	4	3	2	10745.136253	0.000832	3
11	121	4	3	1	10746.147089	0.000634	3
11	121	4	4	1	10877.344883	0.001143	1
11	121	4	4	0	10877.368534	0.000996	1

11	121	5	0	5	10644.618584	0.000733	2
11	121	5	1	5	10646.780190	0.000670	3
11	121	5	1	4	10730.204003	0.001042	1
11	121	5	2	4	10754.753936	0.000700	2
11	121	5	2	3	10785.653900	0.000741	3
11	121	5	3	3	10863.673117	0.000634	3
11	121	5	3	2	10867.715870	0.000994	3
11	121	5	4	2	10996.307797	0.000750	3
11	121	5	4	1	10996.547359	0.001913	2
11	121	5	5	1	11158.499153	0.001226	1
11	121	5	5	0	11158.496942	0.001880	1
11	121	6	0	6	10761.044923	0.000921	3
11	121	6	1	6	10762.045001	0.000809	2
11	121	6	1	5	10872.351430	0.000790	3
11	121	6	2	5	10888.311161	0.001541	2
11	121	6	2	4	10939.552326	0.001265	2
11	121	6	3	4	11005.256152	0.002432	2
11	121	6	3	3	11016.235710	0.001243	3
11	121	6	4	3	11140.075161	0.001380	2
11	121	6	4	2	11140.137930	0.000881	3
11	121	6	5	1	11301.116940	0.001440	1
11	121	6	6	0	11493.018986	0.002133	1
11	121	7	0	7	10894.484527	0.000856	2
11	121	7	1	7	10894.821080	0.000735	2
11	121	7	1	6	11031.863172	0.002288	1
11	121	7	2	6	11041.319860	0.000845	2
11	121	7	2	5	11116.495686	0.001452	1
11	121	7	3	5	11170.319033	0.001360	3
11	121	7	3	4	11192.129850	0.006078	1
11	121	7	4	4	11306.785950	0.001392	3
11	121	7	5	3	11467.972427	0.003845	1
11	121	8	0	8	11045.390889	0.000990	1
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11	121	8	1	7	11207.747599	0.001670	1
11	121	8	2	7	11213.902202	0.001698	1
11	121	8	2	6	11322.455030	0.003554	1
11	121	8	3	6	11354.569664	0.002559	1

11	121	8	3	5	11393.443532	0.001780	1
11	121	8	4	5	11497.161876	0.003393	1
11	121	8	4	4	11502.977445	0.005853	1
11	121	9	1	9	11213.854886	0.001052	2
11	121	9	2	8	11397.145377	0.001582	2
11	121	9	2	7	11537.969700	0.003219	1
11	121	9	3	7	11560.049672	0.001429	1
11	121	10	0	10	11398.126917	0.002381	1
11	121	10	1	9	11608.970975	0.010232	1
11	121	11	1	11	11598.295197	0.002235	1
11	121	12	1	12	11817.499165	0.003611	1
11	130	0	0	0	8273.976542	0.010000	1
11	130	1	0	1	8297.375521	0.007071	2
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11	130	2	1	1	8382.242323	0.002342	3
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11	130	2	2	0	8457.766836	0.001995	4
11	130	3	0	3	8409.603245	0.005774	3
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11	130	3	3	1	8660.645814	0.001115	5
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11	130	4	0	4	8494.665207	0.002338	3
11	130	4	1	4	8504.371331	0.001879	5
11	130	4	1	3	8563.897783	0.001578	4
11	130	4	2	3	8620.264811	0.002986	6
11	130	4	2	2	8633.095451	0.000786	6
11	130	4	3	2	8756.530670	0.001057	7
11	130	4	3	1	8757.140603	0.000423	6
11	130	4	4	1	8929.447997	0.001634	5
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11	130	5	0	5	8596.893104	0.004203	4

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11	130	5	2	3	8761.661033	0.000996	6
11	130	5	3	3	8876.347070	0.000457	6
11	130	5	3	2	8878.586465	0.000959	6
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11	130	6	2	5	8870.987141	0.001697	5
11	130	6	2	4	8917.092208	0.000532	6
11	130	6	3	4	9021.069962	0.001837	7
11	130	6	3	3	9025.937473	0.000475	6
11	130	6	4	3	9194.014349	0.000688	7
11	130	6	4	2	9194.649924	0.000522	6
11	130	6	5	2	9402.233773	0.001316	9
11	130	6	5	1	9401.892547	0.000639	5
11	130	6	6	1	9638.659752	0.000626	3
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11	130	7	1	7	8853.883797	0.000601	3
11	130	7	1	6	9003.746231	0.000611	4
11	130	7	2	6	9027.214005	0.000736	5
11	130	7	2	5	9097.931043	0.000483	6
11	130	7	3	5	9183.600755	0.000695	6
11	130	7	3	4	9199.938383	0.000453	6
11	130	7	4	4	9362.212354	0.000670	8
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11	130	7	7	1	10068.792015	0.001752	3

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11	130	8	1	7	9187.375335	0.000868	4
11	130	8	2	7	9203.113536	0.000715	5
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11	130	8	4	4	9557.471186	0.000963	7
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11	130	10	1	10	9363.652456	0.000844	3
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11	130	12	5	8	10767.300541	0.001789	1
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11	140	4	1	4	9965.348471	0.002555	2
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11	140	6	1	6	10180.042529	0.001634	1
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11	140	7	0	7	10308.368013	0.001905	1
11	140	7	1	7	10314.623098	0.003805	1
11	140	7	1	6	10475.225184	0.004433	1
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11	200	9	7	3	8935.272299	0.001140	2
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11	200	10	9	2	9547.660593	0.001513	1
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11	200	14	3	12	9658.295466	0.003190	1
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11	201	2	0	2	10680.548314	0.001937	1
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