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Chosen Algorithm: Q-learning

The chosen Reinforced Learning (RL) algorithm is the Q-learning algorithm. Q-learning was chosen as it is a simple algorithm that does not require a lot of computational cost, and is suitable for this BoxPushing grid-world game as it is not a very complicated problem to solve. In the Q-learning algorithm, a Q-table is built upon given the states of the agent and box, as well as the available actions and their corresponding immediate rewards and the updated states. The Q-learning equation is as follows:

$$Q_{new}(S_t, A_t) = Q_{old}(S_t, A_t) + \alpha(R_{t+1} + \gamma \max_a Q_{old}(S_{t+1}, a) - Q_{old}(S_t, A_t))$$

Where α is the learning rate,

γ is the discount factor,

$Q_{new}(S_t, A_t)$ is the new Q-value when taking action A_t at state S_t

$Q_{old}(S_t, A_t)$ is the old Q-value when taking action A_t at state S_t

R_{t+1} is the reward value from taking action A_t at state S_t

$\max_a Q_{old}(S_{t+1}, a)$ is the maximum of the old Q-value among all possible actions a at future state S_{t+1} (the state achieved after taking action A_t at state S_t)
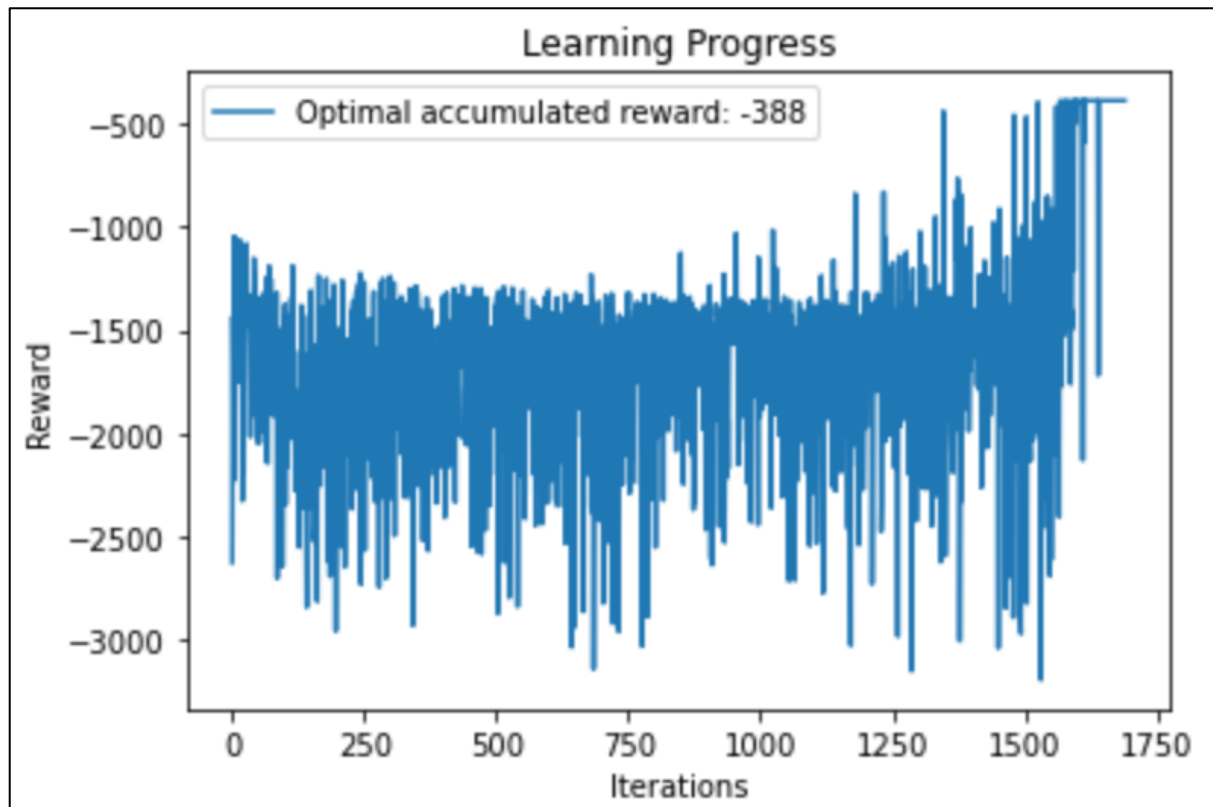
As seen in the equation, the advantage is that only the immediate reward of the action taken is required to compute the new Q-value of the state, and does not require knowing the full trajectory of the states and actions beforehand. It is also suitable for use since the agent only has an observation area of 3x3 and does not have prior knowledge of the environment (map size, cliff locations).

Normally, the convergence criterion is when the change in the maximum Q-value of the states to be below a certain set threshold. However, due to the many states possible ((6*14) for agent and another (6*14) for box, total number of possible states is 7056), some explored states may be explored frequently while others just once. States which are newly explored will have a large change in the maximum Q-value for the next iteration, therefore, if the normal convergence criterion were to be used, the algorithm may take a very long time to find convergence.

To counter this problem, the accumulated reward of each iteration is used. From test.py, it was observed that the optimal accumulated reward is -388. If the algorithm is sufficiently trained, it would achieve that value consistently. Therefore, the convergence criterion in the algorithm is set such that the accumulated reward of the last 50 iterations must have the same value (not necessarily -388).

The training thus stops when convergence occurs or when the number of iterations reaches a set number (in this case, 3000), whichever comes first. The learning progress is then plotted, along with the state and actions of the optimum path discovered by the algorithm (the diagrams of the movements of agent and box are separately plotted using PowerPoint), and finally the Q-table.

Learning Progress:

Optimum Path of Agent and Box:

Optimum Agent Path (Policy)

Grid	0	1	2	3	4	5	6	7	8	9	10	11	12	13
0							X			X				
1							X			X				
2				X			X			X			X	
3				X			X			X			X	
4				X						X			X	Goal
5	Start			X						X			X	

Optimum Box Path

Grid	0	1	2	3	4	5	6	7	8	9	10	11	12	13
0							X			X				
1							X			X				
2				X			X			X			X	
3				X			X						X	
4		Start		X						X			X	Goal
5				X						X			X	

Final Q-table (Optimum Path Only):

The final Q-table of the optimum path discovered by the Q-learning algorithm is shown on the following page, with the last row, highlighted in green, being the terminal state.

State	Actions				Policy
	UP	**DOWN**	**LEFT**	**RIGHT**	
((5,0), (4,1))	-337.6452223	-341.8979447	-341.8979447	-335.7047686	RIGHT
((5,1), (4,1))	-324.9543117	-329.8056114	-335.4426974	-330.3180042	UP
((4,1), (3,1))	-313.0851633	-314.6119008	-314.6260673	-314.5342876	UP
((3,1), (2,1))	-300.0860236	-304.9024836	-301.6746476	-305.2074031	UP
((2,1), (1,1))	-292.8154082	-289.6082043	-285.9454783	-292.0443406	LEFT
((2,0), (1,1))	-270.6519983	-279.5697018	-280.0946846	-283.8336467	UP
((1,0), (1,1))	-264.8880675	-271.0974404	-264.5338688	-256.2141397	RIGHT
((1,1), (1,2))	-249.4208308	-249.3589705	-261.1215119	-242.6405452	RIGHT
((1,2), (1,3))	-230.138003	-230.4923269	-233.8585628	-229.9399446	RIGHT
((1,3), (1,4))	-218.1390508	-1004.85	-228.9167576	-218.1211562	RIGHT
((1,4), (1,5))	-207.1930871	-214.0969026	-215.1133361	-1001.88	UP
((0,4), (1,5))	-206.0311296	-198.6994062	-211.845885	-195.1445324	RIGHT
((0,5), (1,5))	-191.3146203	-183.9843761	-197.8270148	-1003.86	DOWN
((1,5), (2,5))	-188.7287713	-173.7215921	-174.5287661	-1002.87	DOWN
((2,5), (3,5))	-165.2082891	-164.3652445	-164.6284042	-1001.88	DOWN
((3,5), (4,5))	-158.8765168	-163.9676374	-155.9244894	-1000.89	LEFT
((3,4), (4,5))	-151.6577708	-146.3883731	-1001.88	-151.7736415	DOWN
((4,4), (4,5))	-144.404397	-148.1048251	-1000.89	-137.7660335	RIGHT
((4,5), (4,6))	-135.053428	-138.6280078	-130.2773961	-130.0667005	RIGHT
((4,6), (4,7))	-998.91	-123.474901	-127.0982108	-123.2996975	RIGHT
((4,7), (4,8))	-120.5586029	-117.4744419	-118.4382625	-995.94	DOWN
((5,7), (4,8))	-122.8452766	-110.9100839	-118.4213053	-110.5802443	RIGHT
((5,8), (4,8))	-104.6265094	-108.9257107	-112.7658773	-997.92	UP
((4,8), (3,8))	-97.9628372	-101.2823638	-97.60253475	-998.91	LEFT
((4,7), (3,8))	-89.49750985	-94.70413169	-91.78375371	-94.90333917	UP
((3,7), (3,8))	-90.90819066	-87.00487019	-998.91	-82.32071702	RIGHT
((3,8), (3,9))	-79.99245972	-80.23006187	-80.43171506	-76.08153235	RIGHT
((3,9), (3,10))	-996.93	-996.93	-71.30492055	-70.78942661	RIGHT
((3,10), (3,11))	-70.43932642	-66.45396628	-66.8465419	-993.96	DOWN
((4,10), (3,11))	-66.20043422	-70.22509338	-996.93	-61.0646124	RIGHT
((4,11), (3,11))	-56.63092162	-59.28040768	-65.72583867	-995.94	UP
((3,11), (2,11))	-51.14234507	-51.88241597	-53.12783039	-996.93	UP
((2,11), (1,11))	-47.09279137	-44.77832476	-44.58822734	-997.92	LEFT
((2,10), (1,11))	-36.95780539	-39.347731	-998.91	-41.80142482	UP
((1,10), (1,11))	-30.38749597	-36.79577008	-997.92	-30.26040949	RIGHT
((1,11), (1,12))	-25.54169844	-28.35650645	-29.33672611	-24.50546413	RIGHT
((1,12), (1,13))	-19.70248902	-995.94	-20.68113257	-24.26477753	UP
((0,12), (1,13))	-17.64416418	-21.48665865	-17.63495519	-13.840898	RIGHT
((0,13), (1,13))	-9.850995	-8.9302	-10.84000995	-9.850995	DOWN
((1,13), (2,13))	-4.9995	-4.98	-4.9995	-7.880796	DOWN
((2,13), (3,13))	-3.96	-2	-993.96	-2.97	DOWN
((3,13), (4,13))	0	0	0	0	UP

Final Q-Table (All explored states):

The final Q-table of all the explored states discovered by the Q-learning algorithm is shown below. Running the algorithm again would output a different Q-table, which may have a different number of explored states, as well as different Q-values for their respective actions.

State	Actions				Policy
	UP	**DOWN**	**LEFT**	**RIGHT**	
((5,0), (4,1))	-337.6452223	-341.8979447	-341.8979447	-335.7047686	RIGHT
((4,0), (4,1))	-328.4197366	-329.9209749	-329.8056114	-328.0484914	RIGHT
((3,0), (4,1))	-319.7272073	-333.9551973	-318.6224562	-324.9472966	LEFT
((2,0), (4,1))	-320.6392513	-327.5374993	-327.2638655	-318.638685	RIGHT
((1,0), (4,1))	-323.5929502	-331.2333112	-334.1964015	-326.675829	UP
((0,0), (4,1))	-310.039844	-327.1539126	-310.039844	-323.7813791	UP
((5,1), (4,1))	-324.9543117	-329.8056114	-335.4426974	-330.3180042	UP
((4,1), (3,1))	-313.0851633	-314.6119008	-314.6260673	-314.5342876	UP
((3,1), (2,1))	-300.0860236	-304.9024836	-301.6746476	-305.2074031	UP
((2,1), (1,1))	-292.8154082	-289.6082043	-285.9454783	-292.0443406	LEFT
((3,1), (1,1))	-281.8781114	-288.2544054	-278.6837614	-281.8225645	LEFT
((2,0), (1,1))	-270.6519983	-279.5697018	-280.0946846	-283.8336467	UP
((1,0), (1,1))	-264.8880675	-271.0974404	-264.5338688	-256.2141397	RIGHT
((0,0), (1,1))	-264.8971666	-263.0287949	-264.8971666	-263.8952741	DOWN
((3,0), (1,1))	-274.5026815	-282.4930918	-279.6136758	-280.2931342	UP
((2,2), (1,1))	-281.5866669	-286.7892474	-293.9448735	-1008.81	UP
((1,2), (1,1))	-273.4789631	-293.7896485	-278.7449835	-270.3160645	RIGHT
((0,2), (1,1))	-264.8971666	-276.2619292	-264.5349702	-261.8117216	RIGHT
((3,2), (1,1))	-288.240818	-292.6906386	-278.3138189	-1009.8	LEFT
((4,1), (1,1))	-278.712973	-289.0107081	-277.2567639	-288.3101012	LEFT
((4,0), (1,1))	-290.3396593	-271.8538273	-277.2752097	-277.4751633	DOWN
((4,2), (1,1))	-292.7445242	-278.2115894	-293.2205767	-1010.79	DOWN
((1,1), (1,2))	-249.4208308	-249.3589705	-261.1215119	-242.6405452	RIGHT
((0,1), (1,2))	-235.6839282	-243.1412581	-257.0576277	-246.1084454	UP
((2,1), (1,2))	-256.0999131	-277.7183013	-264.8985848	-264.1777066	UP
((1,0), (1,2))	-249.5742525	-262.3731157	-250.1806573	-250.8337538	UP
((0,0), (1,2))	-249.5476887	-250.0331911	-249.5476887	-246.0057596	RIGHT
((2,0), (1,2))	-263.3594529	-263.0599139	-264.8971666	-264.0429755	DOWN
((1,2), (1,3))	-230.138003	-230.4923269	-233.8585628	-229.9399446	RIGHT
((0,2), (1,3))	-221.8201677	-220.9444509	-229.3776512	-220.8319219	RIGHT
((2,2), (1,3))	-233.3466769	-239.0492963	-232.3852226	-1004.85	LEFT
((1,1), (1,3))	-231.688679	-240.3333673	-233.137442	-237.9662202	UP
((0,1), (1,3))	-221.0422465	-220.3946753	-218.531067	-228.3331484	LEFT
((2,1), (1,3))	-244.4662298	-231.3044162	-245.9702721	-238.0011598	DOWN
((1,0), (1,3))	-234.0255004	-236.6052065	-221.0422465	-243.2846473	LEFT
((0,0), (1,3))	-234.0447316	-231.0395184	-234.0447316	-232.2557212	DOWN
((2,0), (1,3))	-234.8006644	-241.7168744	-234.0447316	-233.2269374	RIGHT
((1,3), (1,4))	-218.1390508	-1004.85	-228.9167576	-218.1211562	RIGHT
((0,3), (1,4))	-207.9564073	-219.0648608	-220.1506946	-206.1154082	RIGHT

((2,3), (1,4))	-1000	-1000	-1000	-1000	UP
((4,1), (4,2))	-323.889288	-318.3882889	-319.2042012	-1001.88	DOWN
((3,1), (4,2))	-325.2077016	-321.7031511	-330.2751498	-316.0841566	RIGHT
((2,1), (4,2))	-318.6625144	-314.7901333	-319.745686	-317.0145685	DOWN
((1,1), (4,2))	-320.6281561	-325.75189	-319.5502954	-317.0980837	RIGHT
((0,1), (4,2))	-320.5397449	-320.2562801	-324.7904495	-319.7683492	RIGHT
((5,1), (4,2))	-327.3566222	-308.2968876	-318.6224535	-308.1909937	RIGHT
((4,0), (4,2))	-326.3310116	-327.5588665	-329.8056114	-326.8718209	UP
((3,0), (4,2))	-327.3053956	-329.6980386	-330.3180938	-325.1017704	RIGHT
((2,0), (4,2))	-332.1624109	-328.497578	-327.2638655	-321.7507899	RIGHT
((1,0), (4,2))	-321.6715422	-333.2476253	-320.5397449	-328.3428586	LEFT
((0,0), (4,2))	-324.7904495	-333.0786247	-324.7904495	-328.2371337	UP
((5,0), (4,2))	-329.295065	-318.6224562	-318.6224562	-318.1235942	RIGHT
((4,2), (4,3))	-1000	-1000	-1000	-1000	UP
((3,2), (4,2))	-318.7437188	-325.8269584	-323.446872	-1003.86	UP
((2,2), (4,2))	-312.8263101	-314.0613937	-317.6777845	-1004.85	UP
((1,2), (4,2))	-316.9665363	-316.6034719	-325.7141001	-314.8107683	RIGHT
((0,2), (4,2))	-314.5377896	-325.2339654	-332.283072	-321.7079425	UP
((5,2), (4,2))	-299.0610702	-306.2480677	-307.244864	-1003.86	UP
((4,2), (3,2))	-288.7232114	-294.8803182	-295.7964938	-1004.85	UP
((3,2), (2,2))	-283.1279491	-288.4701329	-288.486095	-1005.84	UP
((2,2), (1,2))	-275.5909724	-279.4588747	-270.1335908	-1006.83	LEFT
((3,2), (1,2))	-274.0587615	-272.4010036	-274.6978481	-1007.82	DOWN
((3,1), (1,2))	-268.1409383	-266.2478578	-263.5348434	-273.0731269	LEFT
((3,0), (1,2))	-264.5751841	-256.0500372	-263.4114492	-272.9516856	DOWN
((2,3), (1,2))	-1000	-1000	-1000	-1000	UP
((5,2), (4,1))	-329.8056189	-330.3180938	-329.4934004	-1005.84	LEFT
((4,2), (4,1))	-334.6166542	-338.4615444	-329.8056114	-1004.85	LEFT
((3,2), (4,1))	-324.8581565	-328.394966	-324.240895	-1005.84	LEFT
((2,2), (4,1))	-328.4986838	-321.0915423	-322.2796194	-1006.83	DOWN
((1,2), (4,1))	-320.1474642	-315.8771876	-321.2043205	-320.8828069	DOWN
((0,2), (4,1))	-310.039844	-309.9058697	-322.4213937	-311.655507	DOWN
((5,1), (3,1))	-317.4805766	-314.5377896	-306.8794391	-306.7465462	RIGHT
((4,0), (3,1))	-306.9151085	-320.4977946	-314.5377896	-320.865821	UP
((3,0), (3,1))	-301.7480344	-301.6318696	-306.8098739	-298.8527178	RIGHT
((2,0), (3,1))	-292.9408276	-305.8019645	-301.6844658	-295.8212183	UP
((1,0), (3,1))	-293.953373	-288.7021109	-292.8154082	-290.3805177	DOWN
((0,0), (3,1))	-280.0946846	-279.2490368	-280.0946846	-294.2867408	DOWN
((5,0), (3,1))	-318.3050233	-320.5397449	-320.5397449	-318.7745282	UP
((4,2), (3,1))	-315.2170384	-302.0342017	-319.751644	-1006.83	DOWN
((3,2), (3,1))	-306.4550197	-303.5500479	-306.8098739	-1005.84	DOWN
((2,2), (3,1))	-297.2816712	-306.7663566	-301.8163655	-1006.83	UP
((1,2), (3,1))	-302.4705067	-287.4563443	-292.1542494	-293.7201993	DOWN
((0,2), (3,1))	-295.1417473	-288.3447424	-289.7206789	-293.5392739	DOWN
((5,2), (3,1))	-306.4864667	-306.7465356	-301.6777475	-1007.82	LEFT
((4,1), (2,1))	-303.3272661	-295.2864087	-313.0535979	-307.5821283	DOWN
((3,0), (2,1))	-288.8341265	-293.2227023	-292.8154082	-290.0326068	UP

((2,0), (2,1))	-286.4947971	-302.5805187	-288.7026218	-284.4625785	RIGHT
((1,0), (2,1))	-293.608134	-277.9040467	-278.7449835	-291.0963438	DOWN
((0,0), (2,1))	-280.0946846	-278.8865513	-280.0946846	-294.2775728	DOWN
((4,0), (2,1))	-302.1452956	-306.0422404	-310.039844	-305.5374036	UP
((3,2), (2,1))	-301.0808064	-292.0240266	-299.358015	-1007.82	DOWN
((2,2), (2,1))	-297.0259598	-291.8836731	-288.7026218	-1006.83	LEFT
((1,2), (2,1))	-292.1967473	-288.6732824	-295.7394421	-291.9521457	DOWN
((0,2), (2,1))	-295.1417473	-292.7347218	-294.1231421	-293.4153265	DOWN
((4,2), (2,1))	-293.726063	-309.4854092	-308.4557739	-1008.81	UP
((2,3), (1,1))	-1000	-1000	-1000	-1000	UP
((5,3), (4,1))	-1000	-1000	-1000	-1000	UP
((3,1), (4,1))	-327.4286671	-319.1047484	-326.2497655	-329.2020066	DOWN
((2,1), (4,1))	-332.2523352	-319.1269415	-327.2757511	-322.0228232	DOWN
((1,1), (4,1))	-320.5134075	-328.6045728	-334.1870362	-327.0672609	UP
((0,1), (4,1))	-320.5397449	-318.3478907	-323.9317521	-310.1678182	RIGHT
((3,3), (4,1))	-1000	-1000	-1000	-1000	UP
((3,1), (3,2))	-290.1515434	-294.0059389	-292.165872	-1002.87	UP
((2,1), (3,2))	-281.0519176	-285.8837866	-282.1033966	-278.9304886	RIGHT
((1,1), (3,2))	-276.373957	-281.6294013	-276.714132	-273.6552536	RIGHT
((0,1), (3,2))	-264.5338688	-263.6530629	-278.6739946	-263.793956	DOWN
((4,1), (3,2))	-284.4312047	-288.7026204	-287.883213	-294.545039	UP
((3,0), (3,2))	-280.2342617	-283.9382049	-282.8291867	-295.6423516	UP
((2,0), (3,2))	-275.0569632	-274.7420146	-275.5909724	-287.8179621	DOWN
((1,0), (3,2))	-264.8974563	-282.2810635	-264.5338688	-263.5365172	RIGHT
((0,0), (3,2))	-264.8971666	-264.6681427	-264.8971666	-263.6529888	RIGHT
((4,0), (3,2))	-282.0995989	-278.7449611	-275.5909724	-296.1643701	LEFT
((3,2), (3,3))	-1000	-1000	-1000	-1000	UP
((3,3), (4,2))	-1000	-1000	-1000	-1000	UP
((4,3), (4,1))	-1000	-1000	-1000	-1000	UP
((2,3), (4,2))	-1000	-1000	-1000	-1000	UP
((5,3), (4,2))	-1000	-1000	-1000	-1000	UP
((2,3), (4,1))	-1000	-1000	-1000	-1000	UP
((1,3), (4,1))	-337.4924838	-1006.83	-324.2069177	-321.8885257	RIGHT
((0,3), (4,1))	-327.2642797	-324.2468775	-324.058142	-326.5101569	LEFT
((5,2), (3,2))	-294.1623624	-294.8791778	-293.9250278	-1005.84	LEFT
((5,1), (3,2))	-288.4581268	-288.7026218	-287.4169691	-293.9972296	LEFT
((5,0), (3,2))	-274.4993312	-278.7449835	-278.7449835	-287.5506435	UP
((4,3), (3,2))	-1000	-1000	-1000	-1000	UP
((4,3), (3,1))	-1000	-1000	-1000	-1000	UP
((5,1), (2,1))	-309.0608438	-295.1417473	-295.6555005	-295.657111	DOWN
((5,0), (2,1))	-309.9903885	-295.6555005	-295.6555005	-294.8280787	RIGHT
((5,2), (2,1))	-294.7535103	-295.6555005	-294.5196297	-1009.8	LEFT
((2,1), (2,2))	-283.2212392	-287.5597393	-284.3416866	-1003.86	UP
((1,1), (2,2))	-273.3408949	-287.64994	-277.8763468	-273.0098375	RIGHT
((0,1), (2,2))	-264.5338688	-262.5303285	-275.1648711	-262.478987	RIGHT
((3,1), (2,2))	-286.8613656	-289.7963793	-292.8164961	-290.7618157	UP
((2,0), (2,2))	-278.7463114	-292.6000502	-288.7026218	-289.2780869	UP

((1,0), (2,2))	-276.1454888	-277.7473923	-278.7449835	-282.4072836	UP
((0,0), (2,2))	-264.8971666	-283.9244216	-264.8971666	-264.6327016	RIGHT
((3,0), (2,2))	-288.7263175	-290.0393682	-292.8154082	-296.6081879	UP
((2,2), (2,3))	-1000	-1000	-1000	-1000	UP
((3,3), (3,1))	-1000	-1000	-1000	-1000	UP
((2,2), (3,2))	-273.1233132	-279.8733823	-286.8563138	-1004.85	UP
((1,2), (3,2))	-275.5753306	-265.2868398	-277.0893113	-272.5784068	DOWN
((0,2), (3,2))	-275.5909724	-269.8433709	-276.5853139	-274.1783756	DOWN
((1,3), (4,2))	-320.4506287	-1004.85	-324.9509572	-329.103124	UP
((0,3), (4,2))	-320.5397449	-310.7410327	-314.4088006	-322.5354822	DOWN
((4,2), (2,2))	-289.3247325	-292.7813267	-287.2873238	-1006.83	LEFT
((4,1), (2,2))	-292.0319542	-293.7749207	-293.6932733	-288.784918	RIGHT
((4,0), (2,2))	-291.975503	-295.1438018	-295.1417473	-302.6813197	UP
((3,3), (2,2))	-1000	-1000	-1000	-1000	UP
((0,4), (4,2))	-310.039844	-325.0300418	-313.1054011	-311.6595614	UP
((1,4), (4,2))	-323.4046512	-316.2031786	-317.9993675	-323.782692	DOWN
((2,4), (4,2))	-317.0241521	-315.7661219	-1004.85	-316.3669266	DOWN
((1,5), (4,2))	-321.1058124	-316.4234343	-323.7512103	-1008.81	DOWN
((0,5), (4,2))	-311.538511	-317.8737543	-306.8573063	-1009.8	LEFT
((2,5), (4,2))	-310.6190918	-304.0743456	-310.6294095	-1007.82	DOWN
((3,4), (4,2))	-318.2773499	-314.83941	-1003.86	-311.5734254	RIGHT
((5,3), (3,2))	-1000	-1000	-1000	-1000	UP
((3,5), (4,2))	-309.7255531	-303.0968948	-313.8966752	-1006.83	DOWN
((4,4), (4,2))	-310.9444886	-306.0609014	-1002.87	-307.9595549	DOWN
((2,1), (3,1))	-297.8534134	-308.137346	-295.6144498	-297.8982527	LEFT
((1,1), (3,1))	-292.800825	-303.6436582	-289.6025442	-288.7543129	RIGHT
((0,1), (3,1))	-292.8154082	-284.7831672	-293.1738799	-302.7937857	DOWN
((0,4), (4,1))	-311.2163163	-312.5956718	-327.2469468	-320.6757275	UP
((1,4), (4,1))	-324.229262	-309.1633403	-306.3197507	-318.4679554	LEFT
((2,4), (4,1))	-316.5784265	-296.24961	-1006.83	-317.6748902	DOWN
((1,5), (4,1))	-326.7771321	-312.9520513	-310.0790846	-1010.79	LEFT
((0,5), (4,1))	-326.7771321	-325.7250361	-326.0714973	-1011.78	DOWN
((2,5), (4,1))	-308.0762505	-306.2423781	-305.6705428	-1009.8	LEFT
((3,4), (4,1))	-308.2288813	-290.0554932	-1005.84	-313.1002488	DOWN
((4,2), (1,2))	-271.0699991	-263.4114593	-259.1339555	-1008.81	LEFT
((4,1), (1,2))	-263.4760554	-259.9782065	-260.0497018	-265.3147116	DOWN
((4,0), (1,2))	-251.7974215	-261.1774678	-260.0497017	-255.9352214	UP
((3,3), (1,2))	-1000	-1000	-1000	-1000	UP
((4,5), (4,2))	-312.3409685	-314.5385153	-305.7839493	-302.618794	RIGHT
((5,4), (4,2))	-305.8826156	-306.8098739	-1003.86	-312.0117579	UP
((4,3), (4,2))	-1000	-1000	-1000	-1000	UP
((5,3), (3,1))	-1000	-1000	-1000	-1000	UP
((2,3), (3,1))	-1000	-1000	-1000	-1000	UP
((3,3), (2,1))	-1000	-1000	-1000	-1000	UP
((1,3), (3,1))	-290.6929351	-1006.83	-290.6515379	-300.9241781	LEFT
((0,3), (3,1))	-279.6136758	-299.8997507	-295.0879446	-290.1661255	UP
((2,3), (2,1))	-1000	-1000	-1000	-1000	UP

((1,2), (2,2))	-276.4331634	-278.8777682	-266.1812904	-265.3050156	RIGHT
((0,2), (2,2))	-275.5909724	-275.8949705	-276.1506316	-264.1786158	RIGHT
((2,3), (3,2))	-1000	-1000	-1000	-1000	UP
((1,3), (3,2))	-263.8909153	-1004.85	-268.0785555	-271.7978036	UP
((0,3), (3,2))	-264.5338688	-261.9254581	-272.1437019	-261.1170233	RIGHT
((3,5), (4,1))	-308.9633655	-299.4234441	-299.3273762	-1008.81	LEFT
((4,4), (4,1))	-303.0608435	-292.92788	-1004.85	-296.8469712	DOWN
((4,5), (4,1))	-308.1708571	-295.2543057	-302.914197	-297.3966278	DOWN
((5,4), (4,1))	-302.4433382	-306.7465356	-1005.84	-294.9347373	RIGHT
((0,4), (3,1))	-294.3301851	-288.6313601	-294.8835269	-291.1387047	DOWN
((1,4), (3,1))	-294.3090424	-288.1342157	-292.2112685	-287.6907008	RIGHT
((2,4), (3,1))	-291.195087	-273.7146321	-1006.83	-279.9087137	DOWN
((1,5), (3,1))	-279.6201228	-273.5309951	-288.1551722	-1010.79	DOWN
((0,5), (3,1))	-291.1389702	-275.4476195	-292.600424	-1011.78	DOWN
((2,5), (3,1))	-266.069834	-264.0946367	-274.6721009	-1009.8	DOWN
((3,4), (3,1))	-285.0251781	-261.956563	-1005.84	-267.9278297	DOWN
((0,6), (4,1))	-1000	-1000	-1000	-1000	UP
((0,6), (4,2))	-1000	-1000	-1000	-1000	UP
((3,5), (3,1))	-262.0190352	-261.416285	-273.5107715	-1008.81	DOWN
((4,4), (3,1))	-273.5320087	-247.2064909	-1006.83	-251.7079111	DOWN
((5,2), (2,2))	-287.2302068	-292.8154082	-294.2855324	-1007.82	UP
((5,1), (2,2))	-294.1429262	-280.0946846	-279.6562201	-294.2833356	LEFT
((5,0), (2,2))	-295.131818	-279.6136758	-279.6136758	-292.0411335	DOWN
((4,3), (2,2))	-1000	-1000	-1000	-1000	UP
((1,1), (2,1))	-292.8555674	-283.4245472	-291.2447737	-290.6543873	DOWN
((0,1), (2,1))	-292.8154082	-289.979368	-293.8187868	-295.1431688	DOWN
((4,5), (3,1))	-269.1465838	-272.0388548	-256.8834553	-249.7395601	RIGHT
((5,4), (3,1))	-260.9783905	-263.4114492	-1007.82	-260.1035208	RIGHT
((4,3), (2,1))	-1000	-1000	-1000	-1000	UP
((1,3), (2,1))	-279.5747316	-1006.83	-286.7522088	-284.2076403	UP
((0,3), (2,1))	-279.6136758	-284.3176202	-278.4308608	-290.0953426	LEFT
((5,1), (1,1))	-283.3425332	-277.2752097	-273.2228246	-273.1132743	RIGHT
((5,0), (1,1))	-285.4629605	-273.0521868	-273.0521868	-275.1851767	DOWN
((5,2), (1,1))	-261.4391732	-273.0521868	-287.4130166	-1011.78	UP
((1,3), (1,1))	-261.3880482	-1008.81	-275.3343872	-265.2811612	UP
((0,3), (1,1))	-263.4114492	-265.1381536	-272.1708019	-267.0302849	UP
((5,3), (2,1))	-1000	-1000	-1000	-1000	UP
((0,4), (2,1))	-277.2752097	-277.9396621	-274.44221	-293.5419806	LEFT
((1,4), (2,1))	-287.3481604	-273.9310603	-293.6604185	-283.7023871	DOWN
((2,4), (2,1))	-277.2217354	-283.6842614	-1006.83	-275.4345455	RIGHT
((1,5), (2,1))	-273.0879917	-284.7006003	-276.4475582	-1010.79	UP
((0,5), (2,1))	-291.1389702	-279.6903171	-286.9915192	-1011.78	DOWN
((2,5), (2,1))	-289.3717568	-287.1669345	-281.032366	-1009.8	LEFT
((3,4), (2,1))	-274.0628624	-281.2926759	-1007.82	-282.9546001	UP
((1,2), (1,4))	-217.9964887	-221.5779884	-216.9069615	-218.279382	LEFT
((0,2), (1,4))	-208.0397614	-214.0179894	-221.0433567	-213.8125826	UP
((2,2), (1,4))	-228.2874657	-244.0056869	-232.3056275	-1004.85	UP

((1,1), (1,4))	-219.8648908	-224.00692	-220.9934289	-219.7186655	RIGHT
((0,1), (1,4))	-221.0422465	-222.5823983	-218.424704	-207.9792973	RIGHT
((2,1), (1,4))	-229.7706525	-234.9020151	-234.0371778	-234.5795794	UP
((1,0), (1,4))	-217.3602878	-218.5345425	-221.0422465	-230.1093086	UP
((0,0), (1,4))	-218.3867605	-231.9187302	-218.3867605	-217.382666	RIGHT
((2,0), (1,4))	-230.9166055	-247.0487818	-234.0447316	-231.6827892	UP
((1,4), (1,5))	-207.1930871	-214.0969026	-215.1133361	-1001.88	UP
((0,4), (1,5))	-206.0311296	-198.6994062	-211.845885	-195.1445324	RIGHT
((2,4), (1,5))	-209.4838124	-208.0704242	-1004.85	-210.0226648	DOWN
((1,3), (1,5))	-216.8486532	-1004.85	-206.9940008	-211.0386664	LEFT
((0,3), (1,5))	-207.9564073	-208.3721948	-205.968612	-206.2446779	LEFT
((2,3), (1,5))	-1000	-1000	-1000	-1000	UP
((1,3), (2,2))	-263.3514458	-1004.85	-258.4203778	-254.3844893	RIGHT
((0,3), (2,2))	-250.1806573	-250.963646	-275.4572308	-264.8987312	UP
((2,3), (2,2))	-1000	-1000	-1000	-1000	UP
((3,5), (2,1))	-293.9657231	-273.5260476	-273.7068604	-1010.79	DOWN
((4,4), (2,1))	-288.0565402	-272.1919227	-1008.81	-274.3152446	DOWN
((1,6), (4,1))	-1000	-1000	-1000	-1000	UP
((5,3), (2,2))	-1000	-1000	-1000	-1000	UP
((1,6), (4,2))	-1000	-1000	-1000	-1000	UP
((2,6), (4,1))	-1000	-1000	-1000	-1000	UP
((0,2), (1,2))	-235.4641481	-272.1119327	-250.0478685	-233.1734156	RIGHT
((1,4), (3,2))	-264.7621381	-260.6664928	-273.6588476	-259.1480009	RIGHT
((0,4), (3,2))	-264.8971666	-255.4376742	-264.4394617	-257.0193578	DOWN
((2,4), (3,2))	-260.4204734	-258.0760492	-1004.85	-255.3638458	RIGHT
((1,5), (3,2))	-247.0472093	-247.7421174	-263.0127143	-1008.81	UP
((0,5), (3,2))	-247.0472166	-253.3023896	-246.9026441	-1009.8	LEFT
((2,5), (3,2))	-245.6532824	-244.4886713	-245.9502479	-1007.82	DOWN
((3,4), (3,2))	-250.7365829	-245.829153	-1003.86	-249.9455183	DOWN
((2,6), (4,2))	-1000	-1000	-1000	-1000	UP
((0,6), (3,1))	-1000	-1000	-1000	-1000	UP
((5,5), (4,1))	-306.3661568	-295.1417473	-306.6058287	-301.4724915	DOWN
((3,5), (3,2))	-251.6277759	-248.6190205	-240.701815	-1006.83	LEFT
((4,4), (3,2))	-252.0981488	-235.8055233	-1004.85	-248.4025927	DOWN
((3,3), (3,2))	-1000	-1000	-1000	-1000	UP
((0,4), (2,2))	-264.8971666	-259.7498506	-264.0289883	-255.3494353	RIGHT
((1,4), (2,2))	-261.7103479	-253.7175219	-249.2276661	-248.6861072	RIGHT
((2,4), (2,2))	-253.3567664	-240.9500123	-1004.85	-241.8485886	DOWN
((1,5), (2,2))	-256.6245976	-245.2671895	-246.0295357	-1008.81	DOWN
((0,5), (2,2))	-247.0472166	-246.7859251	-246.1931344	-1009.8	LEFT
((2,5), (2,2))	-259.5292429	-239.0816062	-238.8653331	-1007.82	LEFT
((3,4), (2,2))	-228.8374485	-229.6236938	-1005.84	-236.9233805	UP
((1,6), (3,1))	-1000	-1000	-1000	-1000	UP
((3,6), (4,1))	-1000	-1000	-1000	-1000	UP
((0,6), (3,2))	-1000	-1000	-1000	-1000	UP
((0,6), (2,1))	-1000	-1000	-1000	-1000	UP
((0,1), (1,1))	-264.5338688	-267.6981691	-264.3217831	-264.8971555	LEFT

((2,6), (3,1))	-1000	-1000	-1000	-1000	UP
((3,5), (2,2))	-252.9408552	-224.3987292	-235.6381158	-1008.81	DOWN
((2,6), (2,2))	-1000	-1000	-1000	-1000	UP
((3,3), (1,1))	-1000	-1000	-1000	-1000	UP
((0,4), (1,1))	-260.0497017	-260.9477536	-263.4015485	-253.4599997	RIGHT
((1,4), (1,1))	-263.3872665	-271.9659182	-276.2497618	-252.6180775	RIGHT
((2,4), (1,1))	-261.7900337	-273.3072408	-1008.81	-265.3997133	UP
((1,5), (1,1))	-236.3342631	-240.6997523	-258.9823807	-1010.79	UP
((0,5), (1,1))	-236.3342631	-237.2874936	-235.412742	-1011.78	LEFT
((2,5), (1,1))	-250.8569576	-254.6213778	-253.8318681	-1011.78	UP
((3,4), (1,1))	-260.3518878	-258.0184123	-1009.8	-258.1444715	DOWN
((4,3), (1,1))	-1000	-1000	-1000	-1000	UP
((5,5), (4,2))	-313.593202	-314.5377896	-306.8011005	-306.2016461	RIGHT
((1,6), (1,1))	-1000	-1000	-1000	-1000	UP
((5,2), (1,2))	-262.3972054	-263.4114492	-262.2793674	-1009.8	LEFT
((5,1), (1,2))	-262.6518978	-260.0497017	-254.8695648	-260.8952439	LEFT
((5,0), (1,2))	-259.0618757	-254.7845539	-254.7845539	-269.180528	DOWN
((4,3), (1,2))	-1000	-1000	-1000	-1000	UP
((1,5), (1,6))	-1000	-1000	-1000	-1000	UP
((0,6), (1,1))	-1000	-1000	-1000	-1000	UP
((0,6), (2,2))	-1000	-1000	-1000	-1000	UP
((3,6), (4,2))	-1000	-1000	-1000	-1000	UP
((0,3), (1,3))	-220.7476388	-1003.86	-211.4530369	-213.5020094	LEFT
((1,3), (2,3))	-1000	-1000	-1000	-1000	UP
((5,3), (1,2))	-1000	-1000	-1000	-1000	UP
((4,5), (3,2))	-234.3185864	-246.1493493	-246.7368348	-237.8053365	UP
((5,4), (3,2))	-248.690075	-235.6839282	-1005.84	-236.3557488	DOWN
((4,6), (4,1))	-1008.81	-295.5628468	-305.1614905	-288.1043802	RIGHT
((4,6), (4,2))	-1006.83	-292.8163479	-307.2612037	-301.9684011	DOWN
((3,2), (1,3))	-231.2454588	-229.4269336	-237.2907693	-1005.84	DOWN
((3,1), (1,3))	-245.6784227	-238.9337392	-246.9844962	-243.8211479	DOWN
((3,0), (1,3))	-234.0358123	-242.6519655	-247.0472166	-252.0224176	UP
((2,3), (1,3))	-1000	-1000	-1000	-1000	UP
((1,6), (3,2))	-1000	-1000	-1000	-1000	UP
((1,6), (2,1))	-1000	-1000	-1000	-1000	UP
((2,6), (2,1))	-1000	-1000	-1000	-1000	UP
((5,6), (4,1))	-293.0294807	-295.6555005	-293.6345091	-289.0593385	RIGHT
((5,7), (4,1))	-275.1870232	-277.2752097	-279.191552	-273.0522038	RIGHT
((4,7), (4,1))	-282.5032407	-272.1062203	-272.0163857	-271.9119107	RIGHT
((3,7), (4,1))	-265.7252113	-285.0179208	-1008.81	-271.9636679	UP
((2,7), (4,1))	-258.0885479	-272.4743926	-1009.8	-283.6546413	UP
((1,7), (4,1))	-247.9213681	-270.0553449	-1010.79	-271.706004	UP
((0,7), (4,1))	-258.8422882	-255.831051	-1011.78	-248.9216904	RIGHT
((4,8), (4,1))	-275.4096259	-269.9909325	-275.1958636	-1010.79	DOWN
((3,8), (4,1))	-268.6317521	-271.7348989	-265.0953828	-259.8388309	RIGHT
((2,8), (4,1))	-278.8177337	-272.5589779	-268.0636229	-1012.77	LEFT
((1,8), (4,1))	-269.9860039	-274.6267791	-259.2336733	-1013.76	LEFT

((0,8), (4,1))	-270.0963007	-261.2187264	-258.6361488	-1014.75	LEFT
((5,8), (4,1))	-269.1858183	-273.0521868	-277.2238562	-1011.78	UP
((5,3), (1,1))	-1000	-1000	-1000	-1000	UP
((5,6), (4,2))	-304.4709939	-292.8154082	-306.8782261	-292.4419779	RIGHT
((5,7), (4,2))	-291.8619191	-295.1417473	-295.883807	-295.2138235	UP
((4,7), (4,2))	-299.9418493	-295.1138478	-302.2420895	-290.737879	RIGHT
((3,7), (4,2))	-297.4671516	-298.8507257	-1006.83	-288.2730147	RIGHT
((2,7), (4,2))	-290.1387135	-302.0953501	-1007.82	-292.6809459	UP
((1,7), (4,2))	-291.1389612	-297.4709253	-1008.81	-302.3515447	UP
((0,7), (4,2))	-291.1389702	-302.0594046	-1009.8	-301.0479444	UP
((4,8), (4,2))	-285.7909634	-279.6136758	-294.7898485	-1008.81	DOWN
((3,8), (4,2))	-302.3220266	-278.6847978	-272.1213727	-276.4703261	LEFT
((2,8), (4,2))	-300.5298994	-287.8155272	-288.2799898	-1010.79	DOWN
((1,8), (4,2))	-286.2115706	-294.1843992	-302.2558639	-1011.78	UP
((0,8), (4,2))	-286.0546719	-300.7398147	-304.2740919	-1012.77	UP
((5,8), (4,2))	-286.469754	-279.6136758	-293.7996968	-1009.8	DOWN
((0,2), (1,5))	-208.0397614	-207.0027942	-206.1699512	-207.9572277	LEFT
((1,2), (1,5))	-208.0689264	-214.2880671	-205.1734321	-205.9396992	LEFT
((0,1), (1,5))	-206.2541627	-210.5495179	-196.8098659	-204.2152933	LEFT
((1,1), (1,5))	-201.5435572	-205.3586582	-206.254155	-204.3753722	UP
((0,0), (1,5))	-202.5722255	-205.1722042	-202.5722255	-201.9389056	RIGHT
((1,0), (1,5))	-211.8625767	-202.7131279	-206.2541627	-205.2523634	DOWN
((0,5), (1,5))	-191.3146203	-183.9843761	-197.8270148	-1003.86	DOWN
((1,5), (2,5))	-188.7287713	-173.7215921	-174.5287661	-1002.87	DOWN
((0,5), (2,5))	-180.2288863	-179.4236473	-178.2030219	-1003.86	LEFT
((2,5), (3,5))	-165.2082891	-164.3652445	-164.6284042	-1001.88	DOWN
((1,5), (3,5))	-155.7517349	-164.1056732	-156.6665473	-1002.87	UP
((0,5), (3,5))	-157.7237715	-156.726957	-157.6557523	-1003.86	DOWN
((3,5), (4,5))	-158.8765168	-163.9676374	-155.9244894	-1000.89	LEFT
((2,5), (4,5))	-154.7829922	-154.2755843	-153.9114197	-1001.88	LEFT
((1,5), (4,5))	-157.7034266	-144.4703803	-144.8656549	-1002.87	DOWN
((0,5), (4,5))	-157.7237715	-149.4871847	-150.0979813	-1003.86	DOWN
((3,4), (4,5))	-151.6577708	-146.3883731	-1001.88	-151.7736415	DOWN
((2,4), (4,5))	-151.8005051	-144.4656243	-1002.87	-159.9504143	DOWN
((1,4), (4,5))	-144.1727752	-145.3267788	-142.0725404	-151.3597268	LEFT
((0,4), (1,4))	-206.0311296	-194.9692727	-208.8991664	-195.0914188	DOWN
((1,4), (2,4))	-197.7132971	-186.3761315	-193.3462304	-192.2764167	DOWN
((0,4), (2,4))	-194.0926468	-192.5911415	-203.151605	-194.9107048	DOWN
((2,4), (3,4))	-188.202691	-180.0834658	-1002.87	-179.7703642	RIGHT
((1,4), (3,4))	-193.8291023	-186.5822852	-185.3757135	-190.0454586	LEFT
((0,4), (3,4))	-194.0926468	-195.793726	-191.3047935	-194.2000479	LEFT
((3,4), (4,4))	-171.2482067	-171.1689739	-1001.88	-173.3503046	DOWN
((2,4), (4,4))	-163.9471572	-178.6276414	-1002.87	-163.4346685	RIGHT
((1,4), (4,4))	-157.5570331	-160.9587035	-163.1563631	-165.1212659	UP
((0,4), (4,4))	-157.5561754	-152.5398913	-155.5857509	-165.0660022	DOWN
((3,3), (4,4))	-1000	-1000	-1000	-1000	UP
((4,5), (2,1))	-268.881405	-267.0010586	-261.8433341	-263.4679832	LEFT

((3,6), (2,1))	-1000	-1000	-1000	-1000	UP
((2,6), (3,2))	-1000	-1000	-1000	-1000	UP
((4,9), (4,2))	-1000	-1000	-1000	-1000	UP
((0,3), (1,2))	-221.0422465	-223.6807251	-219.9065534	-225.3010753	LEFT
((1,3), (1,2))	-215.2769101	-1006.83	-260.3638141	-220.0528792	UP
((0,4), (1,2))	-218.3867605	-221.803249	-226.8880056	-213.9512223	RIGHT
((1,4), (1,2))	-212.2641913	-213.8751414	-226.3112965	-212.926507	UP
((3,6), (3,2))	-1000	-1000	-1000	-1000	UP
((3,5), (1,1))	-241.9535586	-254.1437391	-254.9668635	-1012.77	UP
((2,6), (1,1))	-1000	-1000	-1000	-1000	UP
((1,6), (2,2))	-1000	-1000	-1000	-1000	UP
((5,5), (3,2))	-247.959503	-234.0447316	-249.9721352	-241.7909472	DOWN
((4,6), (3,2))	-1006.83	-223.8902242	-236.878073	-224.321492	DOWN
((4,9), (4,1))	-1000	-1000	-1000	-1000	UP
((5,9), (4,2))	-1000	-1000	-1000	-1000	UP
((3,6), (3,1))	-1000	-1000	-1000	-1000	UP
((4,4), (2,2))	-230.2092482	-230.4373385	-1006.83	-222.5223598	RIGHT
((5,4), (2,1))	-275.8875092	-254.7845539	-1009.8	-262.9008529	DOWN
((4,5), (2,2))	-217.7030071	-215.0374272	-218.4865717	-223.949214	DOWN
((3,6), (2,2))	-1000	-1000	-1000	-1000	UP
((2,4), (1,2))	-208.0223815	-202.6289916	-1006.83	-214.2726314	DOWN
((1,5), (1,2))	-223.742366	-211.2406041	-226.9481884	-1008.81	DOWN
((0,5), (1,2))	-213.826238	-226.8565192	-226.7015624	-1009.8	UP
((2,5), (1,2))	-200.6849954	-197.5598596	-200.1355009	-1009.8	DOWN
((3,4), (1,2))	-203.3411479	-190.3110964	-1007.82	-196.1711681	DOWN
((5,9), (4,1))	-1000	-1000	-1000	-1000	UP
((5,5), (2,1))	-272.9271588	-266.9171517	-264.7610724	-258.9467364	RIGHT
((4,6), (2,1))	-1010.79	-244.9857132	-257.7239918	-249.684593	DOWN
((3,9), (4,2))	-1010.79	-1008.81	-270.0214007	-262.3546864	RIGHT
((2,9), (4,2))	-1000	-1000	-1000	-1000	UP
((3,4), (1,5))	-200.7641619	-201.4652026	-1005.84	-207.201664	UP
((5,4), (2,2))	-228.2110394	-213.826238	-1007.82	-216.9221735	DOWN
((2,2), (1,5))	-210.0334742	-209.9087087	-223.0600205	-1004.85	DOWN
((2,1), (1,5))	-211.2021859	-209.8596436	-210.4230927	-215.3429445	DOWN
((2,0), (1,5))	-217.2471304	-195.3347676	-202.5722255	-220.7441301	DOWN
((2,5), (1,5))	-202.2906056	-211.3261297	-204.3813651	-1003.86	UP
((3,5), (1,5))	-205.0060706	-203.3856356	-205.1299993	-1004.85	DOWN
((2,6), (1,5))	-1000	-1000	-1000	-1000	UP
((0,4), (1,3))	-208.0397614	-205.9606731	-207.0308268	-219.7329497	DOWN
((1,4), (1,3))	-201.5324877	-197.9554606	-208.7895459	-195.4117634	RIGHT
((0,5), (1,3))	-206.2541627	-206.3508907	-208.0310608	-1007.82	UP
((1,5), (1,3))	-206.2529248	-195.1676636	-204.2270022	-1006.83	DOWN
((2,4), (1,3))	-206.4109554	-184.687635	-1004.85	-189.359579	DOWN
((1,6), (1,2))	-1000	-1000	-1000	-1000	UP
((4,4), (1,1))	-269.2911221	-258.8422882	-1010.79	-248.9999587	RIGHT
((4,5), (1,1))	-247.1672746	-254.4196441	-237.4052674	-242.7607675	LEFT
((3,6), (1,1))	-1000	-1000	-1000	-1000	UP

((5,5), (3,1))	-259.2438547	-260.0497017	-263.2456344	-261.4419145	UP
((4,6), (3,1))	-1008.81	-236.3531145	-260.6777169	-249.8493382	DOWN
((3,9), (4,1))	-1012.77	-1010.79	-268.0212612	-240.2682368	RIGHT
((2,9), (4,1))	-1000	-1000	-1000	-1000	UP
((5,6), (3,1))	-248.1765871	-254.7845539	-268.4117108	-247.630831	RIGHT
((5,7), (3,1))	-247.5762413	-247.5882756	-250.6797104	-247.7980105	UP
((4,7), (3,1))	-260.7100518	-237.6970996	-234.2171008	-236.528216	LEFT
((3,7), (3,1))	-261.0563542	-245.5997038	-1008.81	-249.9550198	DOWN
((2,7), (3,1))	-264.596673	-246.2818321	-1009.8	-255.0188578	DOWN
((1,7), (3,1))	-278.0624151	-252.0082559	-1010.79	-262.277336	DOWN
((0,7), (3,1))	-258.8422882	-263.9423826	-1011.78	-270.0963008	UP
((5,8), (3,1))	-252.9626884	-238.4327726	-238.8173505	-1013.76	DOWN
((4,8), (3,1))	-253.8797253	-238.4224824	-246.6542697	-1012.77	DOWN
((3,8), (3,1))	-242.7476959	-256.2277018	-245.498233	-236.7368736	RIGHT
((2,8), (3,1))	-246.6569826	-244.400597	-257.2615345	-1012.77	DOWN
((1,8), (3,1))	-268.9375135	-259.7862673	-246.0222934	-1013.76	LEFT
((0,8), (3,1))	-270.0963007	-259.648721	-269.2137078	-1014.75	DOWN
((5,6), (2,1))	-253.810638	-258.8422882	-262.8781271	-248.9214291	RIGHT
((5,7), (2,1))	-252.0719764	-248.7994149	-238.4347613	-234.0651829	RIGHT
((4,7), (2,1))	-234.916819	-234.8134876	-236.966679	-234.7834413	RIGHT
((3,7), (2,1))	-226.5721976	-226.2811235	-1010.79	-226.1319502	RIGHT
((2,7), (2,1))	-222.6492002	-235.8762668	-1009.8	-213.5005499	RIGHT
((1,7), (2,1))	-217.5812784	-221.1578541	-1010.79	-227.1599809	UP
((0,7), (2,1))	-196.9994773	-234.8148866	-1011.78	-225.4656751	UP
((4,8), (2,1))	-215.0351502	-236.7607336	-233.9400885	-1014.75	UP
((3,8), (2,1))	-207.2410991	-220.5458473	-205.5332338	-213.3621356	LEFT
((2,8), (2,1))	-214.0143846	-218.9108527	-228.1204446	-1012.77	UP
((1,8), (2,1))	-218.077834	-223.9734524	-224.3633963	-1013.76	UP
((0,8), (2,1))	-205.564672	-210.5613086	-213.4286861	-1014.75	UP
((5,8), (2,1))	-235.8163482	-236.759981	-238.6027419	-1015.74	UP
((3,9), (3,1))	-1012.77	-1012.77	-221.2631225	-229.1026589	LEFT
((2,9), (3,1))	-1000	-1000	-1000	-1000	UP
((4,2), (1,3))	-224.2491552	-237.3325235	-233.265088	-1006.83	UP
((4,1), (1,3))	-239.8698331	-242.568171	-241.3705792	-226.5673553	RIGHT
((4,0), (1,3))	-228.6855581	-236.3358677	-242.6519561	-243.0691516	UP
((3,3), (1,3))	-1000	-1000	-1000	-1000	UP
((2,5), (1,3))	-192.8694213	-180.2628122	-181.9930032	-1007.82	DOWN
((3,4), (1,3))	-175.9856115	-179.0881144	-1005.84	-179.2774006	UP
((5,6), (3,2))	-235.5797137	-230.5193583	-229.5087091	-233.6697747	LEFT
((5,7), (3,2))	-227.773836	-225.0802506	-238.3776459	-236.3164175	DOWN
((4,7), (3,2))	-219.1424798	-233.3798259	-231.5558274	-235.2749812	UP
((3,7), (3,2))	-219.0425979	-227.6288289	-1006.83	-212.7380165	RIGHT
((2,7), (3,2))	-249.6338741	-225.431667	-1007.82	-242.0248568	DOWN
((1,7), (3,2))	-268.7343916	-241.4826991	-1008.81	-246.4583139	DOWN
((0,7), (3,2))	-254.7845539	-255.8864853	-1009.8	-266.2064557	UP
((4,8), (3,2))	-224.6488463	-250.6353034	-224.6914994	-1010.79	UP
((3,8), (3,2))	-215.8357198	-216.6281887	-225.6349254	-232.9836069	UP

((2,8), (3,2))	-235.0886169	-224.8466687	-232.099056	-1010.79	DOWN
((1,8), (3,2))	-264.8291347	-234.3947581	-253.909246	-1011.78	DOWN
((0,8), (3,2))	-247.5882756	-252.1654474	-254.8777618	-1012.77	UP
((5,8), (3,2))	-239.7867327	-236.3342631	-241.8710415	-1011.78	DOWN
((3,10), (4,2))	-245.738761	-264.0676942	-243.8257539	-250.7160892	LEFT
((2,10), (4,2))	-254.6088472	-261.7584388	-1010.79	-246.7954037	RIGHT
((1,10), (4,2))	-236.1566369	-239.9003675	-1011.78	-234.927474	RIGHT
((0,10), (4,2))	-227.2895818	-239.8034387	-1012.77	-236.7618688	UP
((4,10), (4,2))	-258.723646	-254.8886345	-1008.81	-255.5541145	DOWN
((3,11), (4,2))	-261.1270822	-265.1542027	-244.0009539	-1012.77	LEFT
((2,11), (4,2))	-242.0185914	-253.8572574	-244.3608681	-1013.76	UP
((1,11), (4,2))	-244.093124	-260.0408283	-226.372151	-237.582502	LEFT
((0,11), (4,2))	-236.759981	-234.89308	-227.1380425	-222.9220293	RIGHT
((4,11), (4,2))	-246.9659361	-247.7769632	-252.8394753	-1011.78	UP
((5,10), (4,2))	-261.5286711	-236.3342631	-1009.8	-264.0351172	DOWN
((5,2), (1,3))	-234.9409819	-230.5193583	-246.1595272	-1007.82	DOWN
((5,1), (1,3))	-234.9998586	-242.6519561	-243.7214618	-230.6616239	RIGHT
((5,0), (1,3))	-235.4734591	-236.3342631	-236.3342631	-240.9059491	UP
((4,3), (1,3))	-1000	-1000	-1000	-1000	UP
((5,11), (4,2))	-261.7595067	-247.5882756	-244.8471028	-1012.77	LEFT
((5,3), (1,3))	-1000	-1000	-1000	-1000	UP
((3,10), (4,1))	-226.0738674	-242.8216546	-240.694558	-222.2042175	RIGHT
((2,10), (4,1))	-211.1032867	-209.6479367	-1012.77	-205.5296571	RIGHT
((1,10), (4,1))	-216.6248188	-221.5224946	-1013.76	-206.4257659	RIGHT
((0,10), (4,1))	-222.6950613	-208.1020332	-1014.75	-206.7910963	RIGHT
((4,10), (4,1))	-237.6504578	-226.5977667	-1010.79	-241.5939138	DOWN
((3,11), (4,1))	-223.0165454	-237.1731149	-238.4242626	-1014.75	UP
((2,11), (4,1))	-205.7196156	-220.7862997	-209.1346381	-1015.74	UP
((1,11), (4,1))	-187.7863409	-194.9141351	-221.6794423	-221.1217931	UP
((0,11), (4,1))	-206.575352	-210.5807681	-222.4868677	-211.6625988	UP
((4,11), (4,1))	-242.4049967	-239.248368	-240.8285079	-1013.76	DOWN
((5,10), (4,1))	-240.6097483	-238.4327726	-1011.78	-245.7929131	DOWN
((0,6), (1,5))	-1000	-1000	-1000	-1000	UP
((3,2), (1,4))	-231.2815814	-246.1365096	-246.0196272	-1005.84	UP
((3,1), (1,4))	-237.7041445	-258.9664829	-245.8575707	-243.8520443	UP
((3,0), (1,4))	-246.1991356	-241.8259394	-247.0472166	-242.1298184	DOWN
((5,9), (3,2))	-1000	-1000	-1000	-1000	UP
((5,5), (2,2))	-206.243735	-207.3328457	-229.1707144	-214.6145481	UP
((4,6), (2,2))	-1008.81	-207.351555	-223.0688734	-227.9170578	DOWN
((5,4), (1,1))	-249.7703173	-258.8422882	-1011.78	-255.4809857	UP
((0,5), (1,4))	-195.0372763	-187.5037366	-203.7256178	-1005.84	DOWN
((1,5), (1,4))	-194.9380754	-178.0897462	-188.3026269	-1004.85	DOWN
((1,3), (2,4))	-195.0286963	-1002.87	-188.4985253	-192.1742608	LEFT
((0,3), (2,4))	-195.0372763	-193.1533853	-201.5959634	-194.1614624	DOWN
((2,3), (2,4))	-1000	-1000	-1000	-1000	UP
((1,5), (2,4))	-181.978534	-181.8944885	-180.9121043	-1004.85	LEFT
((0,5), (2,4))	-181.9889671	-184.6367564	-192.8957293	-1005.84	UP

((2,5), (2,4))	-191.1342536	-176.8371381	-1003.86	-1003.86	DOWN
((2,3), (3,4))	-1000	-1000	-1000	-1000	UP
((5,11), (4,1))	-259.4151262	-227.2895818	-238.4306698	-1014.75	DOWN
((5,5), (1,1))	-247.0370511	-248.7994149	-249.1410337	-236.9820965	RIGHT
((4,6), (1,1))	-1012.77	-228.0487653	-234.6437932	-224.8423138	RIGHT
((1,9), (4,1))	-1000	-1000	-1000	-1000	UP
((4,9), (3,2))	-1000	-1000	-1000	-1000	UP
((5,9), (3,1))	-1000	-1000	-1000	-1000	UP
((2,5), (3,4))	-179.5175541	-177.9936648	-176.3471795	-1003.86	LEFT
((1,5), (3,4))	-181.9736562	-181.8705897	-193.1326217	-1004.85	DOWN
((0,5), (3,4))	-181.9889671	-181.2401956	-201.8298187	-1005.84	DOWN
((3,5), (3,4))	-168.0938187	-168.0025809	-1002.87	-1002.87	DOWN
((3,5), (4,4))	-165.0701292	-165.0958273	-167.9462797	-1002.87	UP
((2,5), (4,4))	-167.7765844	-162.7958198	-168.4022932	-1003.86	DOWN
((1,5), (4,4))	-166.6663979	-172.394452	-158.3463614	-1004.85	LEFT
((0,5), (4,4))	-155.4996343	-169.653169	-154.6450118	-1005.84	LEFT
((4,5), (4,4))	-174.1156253	-171.6587728	-1001.88	-156.9330692	RIGHT
((2,3), (4,4))	-1000	-1000	-1000	-1000	UP
((5,6), (2,2))	-204.3036859	-198.878384	-207.3217944	-208.4217419	DOWN
((5,7), (2,2))	-214.009845	-208.3487833	-198.4649222	-196.9953556	RIGHT
((4,7), (2,2))	-210.1711147	-214.6108801	-221.1998618	-214.5583507	UP
((3,7), (2,2))	-211.1214035	-214.7542199	-1008.81	-215.0535129	UP
((2,7), (2,2))	-198.0193876	-211.8853179	-1007.82	-212.3281027	UP
((1,7), (2,2))	-198.8799633	-196.343242	-1008.81	-197.9442735	DOWN
((0,7), (2,2))	-198.878384	-199.7977714	-1009.8	-207.4742811	UP
((4,8), (2,2))	-216.1503276	-215.2872906	-226.6952195	-1012.77	DOWN
((3,8), (2,2))	-210.2915033	-234.5040218	-221.0167577	-200.6649761	RIGHT
((2,8), (2,2))	-199.1019111	-197.8829795	-211.8653606	-1010.79	DOWN
((1,8), (2,2))	-208.2657894	-196.2323148	-209.6366	-1011.78	DOWN
((0,8), (2,2))	-208.3487833	-205.8055008	-213.120824	-1012.77	DOWN
((5,8), (2,2))	-195.1860289	-196.9994773	-196.2164553	-1013.76	UP
((0,9), (4,1))	-1000	-1000	-1000	-1000	UP
((3,9), (3,2))	-1010.79	-1010.79	-220.8705515	-215.5316187	RIGHT
((2,9), (3,2))	-1000	-1000	-1000	-1000	UP
((0,6), (1,4))	-1000	-1000	-1000	-1000	UP
((4,2), (1,4))	-240.606796	-258.9391619	-256.0652824	-1006.83	UP
((4,1), (1,4))	-248.8320381	-253.5833976	-260.0497092	-246.8397207	RIGHT
((4,0), (1,4))	-252.9261407	-245.3317031	-260.0497017	-263.1710121	DOWN
((3,3), (1,4))	-1000	-1000	-1000	-1000	UP
((4,5), (1,5))	-192.7105291	-194.2242102	-202.5686551	-198.2592741	UP
((4,4), (1,5))	-189.4236635	-191.4421098	-1006.83	-193.2069124	UP
((3,3), (1,5))	-1000	-1000	-1000	-1000	UP
((5,9), (2,1))	-1000	-1000	-1000	-1000	UP
((0,6), (1,3))	-1000	-1000	-1000	-1000	UP
((4,9), (3,1))	-1000	-1000	-1000	-1000	UP
((0,6), (1,2))	-1000	-1000	-1000	-1000	UP
((1,9), (4,2))	-1000	-1000	-1000	-1000	UP

((0,9), (4,2))	-1000	-1000	-1000	-1000	UP
((1,6), (1,3))	-1000	-1000	-1000	-1000	UP
((1,4), (2,5))	-173.4209443	-170.9576504	-166.966324	-179.203982	LEFT
((0,4), (2,5))	-169.8563693	-168.5103359	-179.741762	-183.0274481	DOWN
((2,4), (2,5))	-174.8523401	-166.4394461	-1002.87	-1000.89	DOWN
((1,3), (2,5))	-168.841002	-1002.87	-169.4000035	-169.4971326	UP
((0,3), (2,5))	-168.8101879	-171.7673713	-180.0646886	-167.7158566	RIGHT
((2,3), (2,5))	-1000	-1000	-1000	-1000	UP
((3,6), (1,5))	-1000	-1000	-1000	-1000	UP
((3,5), (1,2))	-207.1650344	-180.9755926	-199.9524437	-1010.79	DOWN
((2,6), (1,2))	-1000	-1000	-1000	-1000	UP
((4,9), (2,1))	-1000	-1000	-1000	-1000	UP
((4,4), (1,2))	-186.0946683	-179.9831909	-1008.81	-179.2343955	RIGHT
((5,9), (2,2))	-1000	-1000	-1000	-1000	UP
((4,5), (1,2))	-197.4600686	-168.2524511	-188.5350282	-165.1675042	RIGHT
((3,6), (1,2))	-1000	-1000	-1000	-1000	UP
((1,6), (2,5))	-1000	-1000	-1000	-1000	UP
((2,4), (3,5))	-162.2776446	-160.6491381	-1002.87	-156.4803348	RIGHT
((1,4), (3,5))	-164.7968145	-164.1587547	-160.1518326	-162.6642746	LEFT
((0,4), (3,5))	-157.5561754	-158.8417573	-152.7918769	-157.6870103	LEFT
((3,4), (3,5))	-160.5633276	-152.9362836	-1001.88	-999.9	DOWN
((2,3), (3,5))	-1000	-1000	-1000	-1000	UP
((5,5), (1,5))	-194.904883	-208.0397614	-205.5252835	-208.2943366	UP
((5,4), (1,5))	-202.4454756	-191.318213	-1007.82	-204.8786168	DOWN
((4,3), (1,5))	-1000	-1000	-1000	-1000	UP
((4,9), (2,2))	-1000	-1000	-1000	-1000	UP
((2,6), (3,5))	-1000	-1000	-1000	-1000	UP
((2,5), (1,4))	-184.1446786	-174.3517455	-172.3532593	-1005.84	LEFT
((3,5), (1,3))	-174.9534006	-163.9282089	-174.9707571	-1008.81	DOWN
((2,6), (1,3))	-1000	-1000	-1000	-1000	UP
((3,6), (4,4))	-1000	-1000	-1000	-1000	UP
((3,9), (2,2))	-1010.79	-1012.77	-218.7047964	-186.6123489	RIGHT
((2,9), (2,2))	-1000	-1000	-1000	-1000	UP
((5,2), (1,4))	-244.6642581	-247.0472166	-247.0162545	-1007.82	UP
((5,1), (1,4))	-241.8947531	-242.6519561	-251.2181945	-247.0278119	UP
((5,0), (1,4))	-241.6464979	-236.3342631	-236.3342631	-258.356096	DOWN
((4,3), (1,4))	-1000	-1000	-1000	-1000	UP
((0,2), (2,4))	-194.1215649	-190.6353391	-191.3183392	-189.8315206	RIGHT
((1,2), (2,4))	-203.6224008	-200.252554	-188.2862178	-181.0743412	RIGHT
((0,1), (2,4))	-191.318213	-183.5859169	-184.9248536	-194.1215602	DOWN
((1,1), (2,4))	-181.0440454	-187.3935078	-189.3811091	-181.5720332	UP
((0,0), (2,4))	-186.5995612	-191.2426526	-186.5995612	-195.0592436	UP
((1,0), (2,4))	-186.6654778	-180.1483133	-191.318213	-190.5759728	DOWN
((2,2), (2,4))	-189.530959	-194.3550624	-189.6504634	-1002.87	UP
((2,1), (2,4))	-194.2717611	-183.8215443	-191.6188388	-201.4480684	DOWN
((2,0), (2,4))	-189.6436319	-206.1716076	-194.1215649	-195.960235	UP
((1,6), (2,4))	-1000	-1000	-1000	-1000	UP

((0,6), (2,4))	-1000	-1000	-1000	-1000	UP
((5,3), (1,4))	-1000	-1000	-1000	-1000	UP
((3,6), (4,5))	-1000	-1000	-1000	-1000	UP
((4,4), (1,3))	-184.3525929	-178.8988104	-1006.83	-174.5464123	RIGHT
((3,9), (2,1))	-1012.77	-1014.75	-195.1964834	-193.4652673	RIGHT
((2,9), (2,1))	-1000	-1000	-1000	-1000	UP
((4,5), (1,3))	-171.4951259	-159.7711441	-161.5728199	-162.4810831	DOWN
((3,6), (1,3))	-1000	-1000	-1000	-1000	UP
((5,6), (1,1))	-243.5097251	-236.759981	-257.533239	-222.8201154	RIGHT
((5,7), (1,1))	-224.7201067	-222.6950613	-214.0938692	-216.6196061	LEFT
((4,7), (1,1))	-205.256008	-229.4091457	-223.5303435	-212.2246043	UP
((3,7), (1,1))	-216.2478577	-212.176182	-1012.77	-205.0529911	RIGHT
((2,7), (1,1))	-202.3233932	-201.076311	-1011.78	-198.4248186	RIGHT
((1,7), (1,1))	-197.070353	-206.6560485	-1010.79	-218.6966713	UP
((0,7), (1,1))	-217.8191825	-210.0794949	-1011.78	-205.5646942	RIGHT
((4,8), (1,1))	-202.8879783	-206.5753748	-204.4413879	-1016.73	UP
((3,8), (1,1))	-198.9828379	-205.3686793	-222.6413577	-187.8287497	RIGHT
((2,8), (1,1))	-210.1606642	-201.309936	-200.6537947	-1014.75	LEFT
((1,8), (1,1))	-217.7682117	-199.7263805	-216.346173	-1013.76	DOWN
((0,8), (1,1))	-205.564672	-201.3552172	-217.8102655	-1014.75	DOWN
((5,8), (1,1))	-206.9472224	-206.575352	-234.1255928	-1017.72	DOWN
((5,4), (1,2))	-187.4109887	-198.878384	-1009.8	-180.9882841	RIGHT
((3,2), (1,5))	-220.4812815	-211.911877	-214.2118948	-1005.84	DOWN
((3,1), (1,5))	-216.5491326	-225.6105966	-207.949399	-201.8309982	RIGHT
((3,0), (1,5))	-199.7816123	-207.222127	-196.9662035	-210.5468006	LEFT
((4,6), (1,5))	-1004.85	-191.3000706	-200.6441585	-191.3245067	DOWN
((4,2), (1,5))	-225.4638302	-211.4581125	-216.466995	-1006.83	DOWN
((4,1), (1,5))	-212.3676803	-212.518944	-213.6451033	-226.7227125	UP
((4,0), (1,5))	-197.1115555	-198.8782902	-207.3328457	-209.9878424	UP
((5,2), (1,5))	-223.987432	-230.5193583	-223.457289	-1007.82	LEFT
((5,1), (1,5))	-227.4758482	-207.3328457	-208.3340146	-213.8258326	DOWN
((5,0), (1,5))	-198.0255829	-198.878384	-198.878384	-207.2476877	UP
((5,9), (1,1))	-1000	-1000	-1000	-1000	UP
((5,3), (1,5))	-1000	-1000	-1000	-1000	UP
((1,9), (2,1))	-1000	-1000	-1000	-1000	UP
((3,2), (2,4))	-196.2339006	-196.2036038	-197.6229608	-1003.86	DOWN
((3,1), (2,4))	-195.3520157	-184.9393304	-205.0508503	-195.5159679	DOWN
((3,0), (2,4))	-201.2522908	-195.2728574	-206.2541627	-197.545077	DOWN
((5,4), (1,3))	-179.1993883	-162.7386987	-1007.82	-171.3049641	DOWN
((5,6), (1,5))	-193.5815964	-206.2541627	-208.0291884	-202.6399231	UP
((5,7), (1,5))	-197.537244	-202.5722255	-206.1976249	-209.8412329	UP
((4,7), (1,5))	-184.7794744	-201.5611411	-188.5284061	-186.2547632	UP
((3,7), (1,5))	-194.1828975	-189.0917337	-1004.85	-202.7973831	DOWN
((2,7), (1,5))	-201.867908	-196.7564724	-1003.86	-200.5769643	DOWN
((1,7), (1,5))	-195.1171603	-193.2426	-1002.87	-195.5536535	DOWN
((0,7), (1,5))	-195.0372763	-204.2742738	-1003.86	-201.6916029	UP
((4,8), (1,5))	-187.5216708	-196.9669426	-192.2162985	-1008.81	UP

((3,8), (1,5))	-198.9118054	-195.968321	-198.8832558	-189.6594967	RIGHT
((2,8), (1,5))	-188.3672717	-187.1802439	-195.0662101	-1006.83	DOWN
((1,8), (1,5))	-194.1134922	-187.031591	-197.4049507	-1005.84	DOWN
((0,8), (1,5))	-194.1215649	-192.6977865	-193.1871365	-1006.83	DOWN
((5,8), (1,5))	-197.0422111	-196.9662035	-210.7781387	-1009.8	DOWN
((5,5), (1,2))	-179.188	-168.3206572	-198.6844142	-160.8401757	RIGHT
((4,6), (1,2))	-1010.79	-175.8337804	-149.8389415	-146.5371837	RIGHT
((0,2), (2,5))	-180.0642005	-178.2039913	-176.3778415	-179.1180925	LEFT
((1,2), (2,5))	-189.4861243	-176.2240551	-175.2446454	-170.885786	RIGHT
((0,1), (2,5))	-176.2329189	-179.2453738	-182.8251523	-184.6210182	UP
((1,1), (2,5))	-190.45485	-184.72614	-176.2911853	-173.3263023	RIGHT
((0,0), (2,5))	-186.5995612	-188.298264	-186.5995612	-189.2413068	UP
((1,0), (2,5))	-186.5995699	-175.2349269	-176.2329189	-183.5780334	DOWN
((0,6), (2,5))	-1000	-1000	-1000	-1000	UP
((3,5), (2,4))	-173.8508911	-168.1356164	-180.7520421	-1004.85	DOWN
((2,4), (2,3))	-1000	-1000	-1000	-1000	UP
((3,12), (4,2))	-1000	-1000	-1000	-1000	UP
((3,10), (3,2))	-198.7946063	-219.7487911	-226.4999206	-205.735981	UP
((2,10), (3,2))	-204.0523735	-197.9070704	-1010.79	-197.3309082	RIGHT
((1,10), (3,2))	-205.56683	-184.2564809	-1011.78	-190.1936892	DOWN
((0,10), (3,2))	-205.564672	-204.7567576	-1012.77	-191.4377124	RIGHT
((4,10), (3,2))	-217.0148792	-216.9374674	-1010.79	-212.7957423	RIGHT
((3,11), (3,2))	-207.0713258	-193.333771	-193.0681618	-1012.77	LEFT
((2,11), (3,2))	-190.2759784	-208.4536031	-208.2509976	-1013.76	UP
((1,11), (3,2))	-203.9237175	-176.0535052	-189.2264614	-196.6684627	DOWN
((0,11), (3,2))	-191.2734741	-196.4422008	-202.4592503	-198.1094436	UP
((4,11), (3,2))	-199.5961325	-198.2649589	-202.9463321	-1013.76	DOWN
((1,3), (3,4))	-181.9801873	-1002.87	-185.7542431	-187.1840408	UP
((0,3), (3,4))	-181.9889671	-180.1364746	-183.7359519	-194.0541287	DOWN
((1,6), (1,4))	-1000	-1000	-1000	-1000	UP
((3,10), (3,1))	-212.7810704	-213.4877031	-224.7997487	-211.5777307	RIGHT
((2,10), (3,1))	-200.9404882	-193.7096623	-1012.77	-199.2423161	DOWN
((1,10), (3,1))	-198.9839382	-195.0518808	-1013.76	-184.0292048	RIGHT
((0,10), (3,1))	-198.924413	-203.7504331	-1014.75	-206.5749976	UP
((4,10), (3,1))	-220.0068863	-198.234379	-1012.77	-221.3301546	DOWN
((3,11), (3,1))	-230.5025027	-233.4887576	-229.4091891	-1014.75	LEFT
((2,11), (3,1))	-209.0669523	-212.1613157	-215.4361081	-1015.74	UP
((1,11), (3,1))	-213.1115332	-205.091914	-200.3776355	-210.3448887	LEFT
((0,11), (3,1))	-206.575352	-200.0139844	-197.1559491	-214.2262888	LEFT
((4,11), (3,1))	-232.1102262	-237.0544345	-213.6103162	-1015.74	LEFT
((4,9), (1,1))	-1000	-1000	-1000	-1000	UP
((3,5), (1,4))	-173.2391301	-163.757074	-164.702963	-1006.83	DOWN
((2,4), (1,4))	-169.8563693	-170.9241806	-1004.85	-177.2801353	UP
((3,4), (1,4))	-181.7527016	-160.4388216	-1005.84	-165.9100389	DOWN
((2,6), (3,4))	-1000	-1000	-1000	-1000	UP
((3,4), (2,5))	-167.3709262	-161.6149022	-1003.86	-166.9314691	DOWN
((4,5), (3,4))	-160.894726	-164.9782924	-156.8805284	-163.5754877	LEFT

State	Q1	Q2	Q3	Q4	Action
((3,4), (3,3))	-1000	-1000	-1000	-1000	UP
((0,2), (3,4))	-194.1215649	-187.6675025	-184.7767585	-189.6994414	LEFT
((1,2), (3,4))	-180.131599	-180.6240692	-188.0966732	-187.7563765	UP
((0,1), (3,4))	-176.2329189	-181.7744922	-192.2371096	-194.0171961	UP
((1,1), (3,4))	-181.7497067	-181.2449456	-185.6905269	-190.1395484	DOWN
((0,0), (3,4))	-186.5995612	-186.6412827	-186.5995612	-184.2801969	RIGHT
((1,0), (3,4))	-186.6002424	-179.2222343	-176.2329189	-193.0137654	LEFT
((2,2), (3,4))	-190.2760229	-171.2055871	-189.4222609	-1002.87	DOWN
((2,1), (3,4))	-185.9839736	-177.2179111	-190.2817895	-177.7056347	DOWN
((2,0), (3,4))	-190.4202908	-179.2579255	-180.0642005	-180.8391715	DOWN
((1,6), (3,4))	-1000	-1000	-1000	-1000	UP
((4,4), (4,5))	-144.404397	-148.1048251	-1000.89	-137.7660335	RIGHT
((3,3), (4,5))	-1000	-1000	-1000	-1000	UP
((1,3), (3,5))	-155.4384501	-1002.87	-154.2879807	-165.6443242	LEFT
((0,3), (3,5))	-155.4996343	-148.4853339	-154.7870798	-154.4687292	DOWN
((5,5), (4,4))	-163.1781502	-166.3651258	-161.9708892	-167.2177726	LEFT
((4,4), (4,3))	-1000	-1000	-1000	-1000	UP
((1,6), (3,5))	-1000	-1000	-1000	-1000	UP
((5,5), (1,3))	-169.0402502	-171.3038933	-162.4475586	-160.7391378	RIGHT
((4,4), (3,5))	-151.2288614	-145.363557	-1002.87	-152.1946181	DOWN
((3,3), (3,5))	-1000	-1000	-1000	-1000	UP
((3,9), (1,1))	-1014.75	-1016.73	-205.0206858	-179.5556992	RIGHT
((2,9), (1,1))	-1000	-1000	-1000	-1000	UP
((5,10), (3,1))	-209.2061635	-214.1298667	-1013.76	-222.6950751	UP
((2,6), (2,4))	-1000	-1000	-1000	-1000	UP
((5,10), (3,2))	-219.2708599	-196.9994773	-1011.78	-197.0623054	DOWN
((1,9), (2,2))	-1000	-1000	-1000	-1000	UP
((4,5), (2,4))	-178.2529839	-175.9825765	-170.4085323	-169.1888799	RIGHT
((3,4), (2,4))	-178.0776944	-174.8352719	-1003.86	-179.3224995	DOWN
((2,6), (1,4))	-1000	-1000	-1000	-1000	UP
((4,12), (4,2))	-1000	-1000	-1000	-1000	UP
((3,12), (4,1))	-1000	-1000	-1000	-1000	UP
((3,6), (2,4))	-1000	-1000	-1000	-1000	UP
((1,6), (1,5))	-1000	-1000	-1000	-1000	UP
((1,3), (4,4))	-151.579839	-1002.87	-164.737414	-161.1903736	UP
((0,3), (4,4))	-155.4996343	-155.0822625	-159.6001606	-162.910144	DOWN
((4,12), (4,1))	-1000	-1000	-1000	-1000	UP
((5,9), (1,5))	-1000	-1000	-1000	-1000	UP
((4,4), (1,4))	-149.1995083	-153.3620557	-1006.83	-148.0926888	RIGHT
((4,5), (1,4))	-169.5665706	-150.2503227	-160.6485153	-151.7922328	DOWN
((3,6), (1,4))	-1000	-1000	-1000	-1000	UP
((5,12), (4,2))	-1000	-1000	-1000	-1000	UP
((4,6), (1,3))	-1008.81	-163.2589048	-173.8498864	-150.4474	RIGHT
((2,6), (4,5))	-1000	-1000	-1000	-1000	UP
((4,9), (1,5))	-1000	-1000	-1000	-1000	UP
((5,4), (4,5))	-142.5040907	-143.0273359	-1001.88	-142.0544558	RIGHT
((4,3), (4,5))	-1000	-1000	-1000	-1000	UP

((5,6), (1,2))	-154.9080249	-154.7334574	-163.231563	-160.3629793	DOWN
((5,7), (1,2))	-152.0225389	-139.0778699	-171.7855764	-141.0878313	DOWN
((4,7), (1,2))	-140.9937752	-159.1656971	-132.450998	-146.4893883	LEFT
((3,7), (1,2))	-172.4424541	-149.8937363	-1010.79	-145.7017679	RIGHT
((2,7), (1,2))	-164.3918825	-153.3765111	-1009.8	-180.8000873	DOWN
((1,7), (1,2))	-166.9876013	-162.1032993	-1008.81	-179.4908035	DOWN
((0,7), (1,2))	-160.6697182	-159.7617069	-1009.8	-148.2082758	RIGHT
((4,8), (1,2))	-144.466825	-144.2186833	-145.4746825	-1014.75	DOWN
((3,8), (1,2))	-162.816615	-143.7984064	-141.5437087	-144.6775656	LEFT
((2,8), (1,2))	-161.6635413	-162.5480362	-161.1506401	-1012.77	LEFT
((1,8), (1,2))	-164.941727	-164.6844022	-174.0335325	-1011.78	DOWN
((0,8), (1,2))	-148.0059157	-177.4961833	-160.5289391	-1012.77	UP
((5,8), (1,2))	-142.3048038	-121.3238876	-161.2107207	-1015.74	DOWN
((1,9), (1,1))	-1000	-1000	-1000	-1000	UP
((4,6), (4,4))	-1002.87	-166.1593954	-165.4144337	-164.4213204	RIGHT
((3,6), (3,4))	-1000	-1000	-1000	-1000	UP
((5,5), (3,4))	-154.6471926	-157.5561754	-156.6638982	-155.5019875	UP
((4,4), (3,4))	-183.4241957	-157.7242277	-1002.87	-165.0013324	DOWN
((4,4), (2,4))	-183.6792993	-168.9261535	-1004.85	-178.766297	DOWN
((3,3), (2,4))	-1000	-1000	-1000	-1000	UP
((2,5), (2,6))	-1000	-1000	-1000	-1000	UP
((2,2), (2,5))	-180.5925517	-176.5558317	-178.0848666	-1002.87	DOWN
((2,1), (2,5))	-180.9924066	-190.2867574	-176.1534268	-174.5173856	RIGHT
((2,0), (2,5))	-169.6306624	-181.5083282	-165.8662766	-176.171687	LEFT
((3,2), (2,5))	-169.3870052	-170.9469256	-187.3723473	-1003.86	UP
((3,1), (2,5))	-185.6523319	-176.5739704	-191.3181707	-181.6762602	DOWN
((3,0), (2,5))	-177.0157302	-186.6578654	-191.318213	-181.4496817	UP
((4,4), (2,5))	-162.2368179	-152.343179	-1004.85	-151.4077172	RIGHT
((3,3), (2,5))	-1000	-1000	-1000	-1000	UP
((0,9), (1,1))	-1000	-1000	-1000	-1000	UP
((4,5), (4,6))	-135.053428	-138.6280078	-130.2773961	-130.0667005	RIGHT
((3,5), (4,6))	-133.3899421	-134.0993758	-132.4869181	-998.91	LEFT
((2,5), (4,6))	-129.3688727	-127.5740364	-132.4204922	-999.9	DOWN
((1,5), (4,6))	-131.602375	-137.0205937	-128.6322612	-1000.89	LEFT
((0,5), (4,6))	-123.1151901	-129.5518515	-135.5716357	-1001.88	UP
((5,5), (4,6))	-136.869365	-138.6376048	-143.0273359	-136.1200211	RIGHT
((4,4), (4,6))	-137.2191513	-133.3780568	-1000.89	-133.0537431	RIGHT
((3,4), (4,6))	-130.9153941	-140.6122995	-1001.88	-137.7688679	UP
((2,4), (4,6))	-122.9001267	-126.1005266	-1002.87	-125.5780874	UP
((1,4), (4,6))	-132.5943521	-121.6224727	-127.5211052	-122.0239469	DOWN
((0,4), (4,6))	-132.5855894	-132.4212711	-141.5915847	-123.2066251	RIGHT
((5,4), (4,6))	-136.3614297	-143.0273359	-1001.88	-142.8847942	UP
((4,3), (4,6))	-1000	-1000	-1000	-1000	UP
((0,4), (4,5))	-145.132992	-152.6589982	-150.5305137	-146.3009861	UP
((2,3), (4,5))	-1000	-1000	-1000	-1000	UP
((3,5), (3,6))	-1000	-1000	-1000	-1000	UP
((0,6), (3,4))	-1000	-1000	-1000	-1000	UP

((0,2), (3,5))	-151.5263878	-151.8962322	-145.6523695	-158.1126614	LEFT
((1,2), (3,5))	-151.5255564	-162.6870284	-153.7100954	-161.0207316	UP
((0,1), (3,5))	-160.9967871	-150.1434741	-154.2268607	-150.5122733	DOWN
((1,1), (3,5))	-160.8963659	-143.3926363	-153.0976203	-158.929854	DOWN
((0,0), (3,5))	-154.173504	-145.7524143	-154.173504	-158.9286934	DOWN
((1,0), (3,5))	-161.2923319	-143.0313885	-145.6083093	-143.7523967	DOWN
((0,6), (3,5))	-1000	-1000	-1000	-1000	UP
((3,9), (1,5))	-1006.83	-1008.81	-190.4864689	-201.3888863	LEFT
((2,9), (1,5))	-1000	-1000	-1000	-1000	UP
((3,2), (3,4))	-172.9438415	-171.5468791	-191.0448078	-1001.88	DOWN
((3,1), (3,4))	-182.5581552	-179.0448349	-181.9504716	-182.6728925	DOWN
((3,0), (3,4))	-180.0462327	-183.8827733	-181.9889671	-190.3586387	UP
((1,9), (3,2))	-1000	-1000	-1000	-1000	UP
((4,6), (3,4))	-1002.87	-153.5356525	-156.7737426	-155.2310933	DOWN
((5,6), (1,3))	-165.3830469	-160.6697182	-166.3565045	-146.9478136	RIGHT
((4,7), (1,3))	-131.1524614	-147.8225325	-133.5214551	-151.4786693	UP
((3,7), (1,3))	-130.8391417	-136.6851699	-1008.81	-126.565554	RIGHT
((2,7), (1,3))	-128.0966383	-129.1562077	-1007.82	-127.9607555	RIGHT
((1,7), (1,3))	-151.5972225	-142.2361866	-1006.83	-132.6272323	RIGHT
((0,7), (1,3))	-145.3678403	-144.4600025	-1007.82	-134.7336369	RIGHT
((5,7), (1,3))	-147.6425296	-127.4880474	-135.4215596	-129.4060677	DOWN
((4,8), (1,3))	-146.6103902	-131.1633809	-132.0011536	-1012.77	DOWN
((3,8), (1,3))	-147.5792346	-132.2084106	-139.6521541	-141.4726735	DOWN
((2,8), (1,3))	-146.3631271	-150.3417349	-145.1211371	-1010.79	LEFT
((1,8), (1,3))	-149.5857469	-152.6671853	-145.1495076	-1009.8	LEFT
((0,8), (1,3))	-134.5508325	-148.5363435	-145.2447924	-1010.79	UP
((5,8), (1,3))	-133.2223446	-111.6179766	-110.9127134	-1013.76	LEFT
((2,6), (4,4))	-1000	-1000	-1000	-1000	UP
((4,2), (2,4))	-190.3863627	-191.2519982	-187.2411707	-1004.85	LEFT
((4,1), (2,4))	-196.2761011	-192.253474	-178.9399779	-173.9054709	RIGHT
((4,0), (2,4))	-191.3743774	-193.4420604	-186.5995612	-186.7755315	LEFT
((5,4), (1,4))	-151.7442417	-145.6083093	-1007.82	-154.1744527	DOWN
((5,5), (2,4))	-181.590179	-165.8662766	-192.1022836	-167.6554443	DOWN
((5,4), (2,4))	-180.3105337	-181.9889671	-1005.84	-179.3042262	RIGHT
((4,3), (2,4))	-1000	-1000	-1000	-1000	UP
((0,9), (3,2))	-1000	-1000	-1000	-1000	UP
((2,2), (3,5))	-162.4528617	-152.5999968	-150.4970742	-1002.87	LEFT
((2,1), (3,5))	-150.6198234	-147.7110317	-149.7541423	-149.6581906	DOWN
((2,0), (3,5))	-150.9407302	-155.4314231	-137.0431147	-153.9660518	LEFT
((3,2), (3,5))	-161.0944912	-150.7896081	-153.7563551	-1001.88	DOWN
((3,1), (3,5))	-147.6459954	-150.5688307	-142.1325885	-142.0709844	RIGHT
((3,0), (3,5))	-150.8899159	-144.6304533	-155.4996343	-153.622152	DOWN
((2,12), (4,2))	-1000	-1000	-1000	-1000	UP
((1,12), (4,2))	-222.0203936	-1013.76	-236.6399987	-222.855399	UP
((0,12), (4,2))	-222.6950613	-219.206692	-229.1996106	-231.3663236	DOWN
((5,9), (1,3))	-1000	-1000	-1000	-1000	UP
((3,10), (2,2))	-181.0607731	-182.3243677	-181.4393416	-181.8828862	UP

((2,10), (2,2))	-169.7922001	-201.0282413	-1010.79	-198.2936204	UP
((1,10), (2,2))	-167.1904141	-181.896835	-1011.78	-187.2971462	UP
((0,10), (2,2))	-161.460999	-164.6632912	-1012.77	-171.2580843	UP
((4,10), (2,2))	-187.9206674	-191.2734534	-1012.77	-214.096749	UP
((3,11), (2,2))	-185.5111922	-197.1117184	-200.7686381	-1014.75	UP
((2,11), (2,2))	-179.5126029	-200.112638	-189.9677024	-1013.76	UP
((1,11), (2,2))	-168.080964	-169.1455672	-175.9819864	-179.0998442	UP
((0,11), (2,2))	-168.1885406	-177.8439372	-161.5089433	-173.2033081	LEFT
((4,11), (2,2))	-204.6267646	-198.9156782	-191.5094317	-1015.74	LEFT
((5,12), (4,1))	-1000	-1000	-1000	-1000	UP
((5,4), (3,5))	-142.4748853	-134.7663497	-1003.86	-133.871788	RIGHT
((4,3), (3,5))	-1000	-1000	-1000	-1000	UP
((2,12), (4,1))	-1000	-1000	-1000	-1000	UP
((5,2), (2,4))	-190.774809	-191.318213	-186.5995678	-1005.84	LEFT
((5,1), (2,4))	-183.7552767	-186.5995612	-196.9670453	-190.3449824	UP
((5,0), (2,4))	-197.9165552	-196.9662035	-196.9662035	-196.0228212	RIGHT
((1,9), (3,1))	-1000	-1000	-1000	-1000	UP
((5,3), (2,4))	-1000	-1000	-1000	-1000	UP
((1,6), (4,4))	-1000	-1000	-1000	-1000	UP
((5,4), (4,4))	-167.402772	-171.1689739	-1001.88	-166.3252345	RIGHT
((5,4), (3,4))	-157.4223051	-157.7237715	-1003.86	-157.5573308	UP
((4,3), (3,4))	-1000	-1000	-1000	-1000	UP
((0,2), (4,4))	-165.8662766	-159.2146608	-169.5550541	-158.059666	RIGHT
((1,2), (4,4))	-160.2129864	-165.1456808	-174.1004253	-159.5541913	RIGHT
((0,1), (4,4))	-160.9967871	-160.1789334	-170.4680736	-165.8655306	DOWN
((1,1), (4,4))	-166.7154155	-168.114737	-171.1894905	-166.3304822	RIGHT
((0,0), (4,4))	-170.4671863	-161.1066115	-170.4671863	-173.2922243	DOWN
((1,0), (4,4))	-177.0654699	-165.9416543	-160.9967871	-159.1213416	RIGHT
((2,2), (4,4))	-169.3130816	-166.2028427	-161.4327331	-1002.87	LEFT
((2,1), (4,4))	-170.6734364	-165.6371713	-169.9057709	-160.4971598	RIGHT
((2,0), (4,4))	-174.1741835	-167.8039937	-165.8662766	-162.8830997	RIGHT
((0,6), (4,4))	-1000	-1000	-1000	-1000	UP
((4,1), (3,5))	-148.6309187	-145.7122694	-150.700822	-151.780461	DOWN
((4,0), (3,5))	-141.6626125	-156.6177741	-137.0431147	-157.9235056	LEFT
((4,2), (3,5))	-157.8011768	-155.5435189	-147.7149563	-1002.87	LEFT
((4,6), (4,7))	-998.91	-123.474901	-127.0982108	-123.2996975	RIGHT
((3,6), (4,7))	-1000	-1000	-1000	-1000	UP
((0,9), (3,1))	-1000	-1000	-1000	-1000	UP
((3,5), (2,5))	-190.9592521	-161.5564561	-169.512641	-1002.87	DOWN
((4,5), (2,5))	-160.9887161	-167.8128663	-157.2174174	-163.0021855	LEFT
((3,6), (2,5))	-1000	-1000	-1000	-1000	UP
((5,5), (2,5))	-166.2514679	-169.8563693	-168.8101995	-168.8107741	UP
((5,4), (2,5))	-161.1203185	-168.8101879	-1005.84	-167.8809348	UP
((4,3), (2,5))	-1000	-1000	-1000	-1000	UP
((5,5), (1,4))	-160.0999264	-154.173504	-145.4429884	-150.0215841	LEFT
((4,2), (2,5))	-181.2881106	-176.3359798	-189.4436143	-1004.85	DOWN
((4,1), (2,5))	-174.8318853	-179.0005088	-191.967197	-174.319502	RIGHT

((4,0), (2,5))	-185.8497692	-180.0705373	-186.5995612	-177.6344104	RIGHT
((5,6), (4,4))	-162.0228546	-157.7237715	-168.1151229	-157.6508257	RIGHT
((4,7), (4,4))	-159.8205234	-156.6011593	-162.200619	-158.7222598	DOWN
((3,7), (4,4))	-154.6136773	-156.0548349	-1002.87	-153.4905799	RIGHT
((2,7), (4,4))	-166.6620666	-165.7661177	-1003.86	-166.5758639	DOWN
((1,7), (4,4))	-169.8095651	-160.5159236	-1004.85	-167.4635872	DOWN
((0,7), (4,4))	-160.9967871	-166.0004953	-1005.84	-170.4126735	UP
((5,7), (4,4))	-156.2450146	-157.5561754	-156.9907399	-155.5002163	RIGHT
((4,8), (4,4))	-165.011885	-164.1442005	-152.5668917	-1004.85	LEFT
((3,8), (4,4))	-156.6900688	-159.8761903	-157.9511678	-154.5062029	RIGHT
((2,8), (4,4))	-169.4777793	-164.9583491	-152.7275896	-1006.83	LEFT
((1,8), (4,4))	-176.2630078	-165.4617076	-173.3818342	-1007.82	DOWN
((0,8), (4,4))	-170.4671863	-174.2230855	-160.9960742	-1008.81	LEFT
((5,8), (4,4))	-157.4974168	-155.4996343	-152.2746912	-1005.84	LEFT
((0,9), (2,2))	-1000	-1000	-1000	-1000	UP
((5,2), (2,5))	-190.4914582	-191.318213	-187.399606	-1005.84	LEFT
((5,1), (2,5))	-180.0012959	-186.5995612	-187.5585153	-191.2690108	UP
((5,0), (2,5))	-193.003902	-179.9375856	-179.9375856	-186.6000269	DOWN
((4,6), (1,4))	-1006.83	-147.7471303	-152.2507668	-137.5013019	RIGHT
((3,12), (3,1))	-1000	-1000	-1000	-1000	UP
((5,6), (1,4))	-138.2612369	-145.3678403	-144.4081528	-134.1373731	RIGHT
((4,7), (1,4))	-125.6517296	-122.1392229	-134.4963613	-136.0471867	DOWN
((3,7), (1,4))	-117.4515578	-119.8583066	-1006.83	-119.1072817	UP
((2,7), (1,4))	-112.3367735	-132.5689763	-1005.84	-110.9679655	RIGHT
((1,7), (1,4))	-111.8429315	-119.1534899	-1004.85	-99.61468098	RIGHT
((0,7), (1,4))	-98.51349118	-112.3895086	-1005.84	-101.5761449	UP
((5,7), (1,4))	-132.9585896	-134.5508325	-145.1801191	-137.0637506	UP
((4,8), (1,4))	-117.3859473	-121.6828531	-123.2758889	-1010.79	UP
((3,8), (1,4))	-113.2374553	-119.6575823	-119.3095864	-124.732199	UP
((2,8), (1,4))	-103.2786107	-102.2863946	-105.4789387	-1008.81	DOWN
((1,8), (1,4))	-104.3084181	-100.7045147	-101.4708667	-1007.82	DOWN
((0,8), (1,4))	-104.3084024	-116.0308085	-98.51379382	-1008.81	LEFT
((5,8), (1,4))	-134.1477246	-121.6931362	-134.4817981	-1011.78	DOWN
((3,12), (3,2))	-1000	-1000	-1000	-1000	UP
((4,6), (2,4))	-1004.85	-175.1328029	-180.9162087	-179.1323475	DOWN
((5,3), (3,4))	-1000	-1000	-1000	-1000	UP
((5,11), (3,2))	-204.4281806	-183.6225351	-197.0015139	-1014.75	DOWN
((2,12), (3,2))	-1000	-1000	-1000	-1000	UP
((4,2), (3,4))	-174.1559204	-181.9835047	-176.4754752	-1002.87	UP
((4,1), (3,4))	-176.1308804	-180.0641015	-180.006141	-174.140661	RIGHT
((4,0), (3,4))	-177.3417609	-176.3205648	-180.0642005	-175.6159046	RIGHT
((3,3), (3,4))	-1000	-1000	-1000	-1000	UP
((4,6), (2,5))	-1002.87	-170.704395	-165.8944656	-162.211625	RIGHT
((1,3), (4,5))	-142.0562119	-1002.87	-141.1229552	-129.5467643	RIGHT
((0,3), (4,5))	-142.0559886	-139.9666804	-144.632077	-141.373161	DOWN
((1,6), (4,5))	-1000	-1000	-1000	-1000	UP
((5,3), (4,4))	-1000	-1000	-1000	-1000	UP

((5,6), (4,7))	-118.8828857	-117.0223658	-121.774377	-115.7178605	RIGHT
((4,5), (4,7))	-119.3856263	-129.2704549	-122.392693	-125.4712091	UP
((3,5), (4,7))	-114.2401298	-113.4897509	-119.8457259	-998.91	DOWN
((2,5), (4,7))	-115.8628037	-117.5900045	-107.5752424	-999.9	LEFT
((1,5), (4,7))	-111.4140659	-112.9834588	-111.408435	-1000.89	LEFT
((0,5), (4,7))	-111.3475307	-117.8966586	-107.1131549	-1001.88	LEFT
((5,5), (4,7))	-124.2618704	-121.325978	-123.7837847	-122.6606559	DOWN
((4,4), (4,7))	-122.8726239	-122.0162932	-1000.89	-116.8313555	RIGHT
((3,4), (4,7))	-119.1632235	-115.3775193	-1001.88	-115.6179982	DOWN
((2,4), (4,7))	-117.2503945	-117.4945519	-1002.87	-115.2612362	RIGHT
((1,4), (4,7))	-115.9395172	-118.3060244	-116.4371242	-116.8347525	UP
((0,4), (4,7))	-107.1131455	-120.7405636	-113.6606457	-110.9877968	UP
((5,4), (4,7))	-122.8762531	-123.7941378	-1001.88	-124.9256205	UP
((4,3), (4,7))	-1000	-1000	-1000	-1000	UP
((5,10), (2,2))	-179.728621	-191.2734741	-1013.76	-198.0417038	UP
((0,2), (4,5))	-137.0431147	-146.8822239	-143.1988115	-137.3122711	UP
((1,2), (4,5))	-142.7945217	-140.2410259	-139.5111305	-141.0997636	LEFT
((0,1), (4,5))	-130.0659624	-140.4576154	-137.6925379	-146.6929402	UP
((1,1), (4,5))	-145.0553034	-150.294142	-145.597478	-143.1846477	RIGHT
((0,0), (4,5))	-137.7169013	-158.8338833	-137.7169013	-138.1146194	UP
((1,0), (4,5))	-153.3666569	-160.1162591	-160.9967871	-154.1222618	UP
((0,6), (4,5))	-1000	-1000	-1000	-1000	UP
((5,11), (3,1))	-232.5398382	-222.6950613	-214.0903324	-1016.73	LEFT
((2,12), (3,1))	-1000	-1000	-1000	-1000	UP
((5,9), (4,4))	-1000	-1000	-1000	-1000	UP
((5,6), (2,4))	-164.8238335	-176.2329189	-169.6735237	-162.0697302	RIGHT
((5,7), (2,4))	-164.3492045	-170.4671863	-176.0774483	-179.9376014	UP
((4,7), (2,4))	-166.8649477	-178.8338692	-182.0517537	-172.9097078	UP
((3,7), (2,4))	-158.1080505	-165.9069988	-1004.85	-157.1050532	RIGHT
((2,7), (2,4))	-162.1843577	-155.8477414	-1003.86	-150.5918901	RIGHT
((1,7), (2,4))	-153.2624397	-148.3107709	-1004.85	-169.3613811	DOWN
((0,7), (2,4))	-145.6083093	-152.2938402	-1005.84	-164.1336356	UP
((4,8), (2,4))	-163.4254817	-162.3394941	-166.6000044	-1008.81	DOWN
((3,8), (2,4))	-154.2237349	-161.0115775	-152.3083909	-149.7418039	RIGHT
((2,8), (2,4))	-147.622103	-159.7272488	-156.7837972	-1006.83	UP
((1,8), (2,4))	-170.466651	-158.1067206	-159.8739041	-1007.82	DOWN
((0,8), (2,4))	-170.4671863	-169.4930818	-158.5033578	-1008.81	LEFT
((5,8), (2,4))	-177.0821148	-179.9375856	-170.4661213	-1009.8	LEFT
((2,2), (4,5))	-142.5429505	-141.4211203	-150.5779723	-1002.87	DOWN
((2,1), (4,5))	-157.6065526	-144.8819712	-153.6724923	-153.5215229	DOWN
((2,0), (4,5))	-160.9330318	-150.7268529	-151.5263878	-156.591879	DOWN
((3,2), (4,5))	-146.2959731	-151.0915964	-146.3139369	-1001.88	UP
((3,1), (4,5))	-141.7253248	-149.6271565	-141.9716266	-136.8046147	RIGHT
((3,0), (4,5))	-160.5208513	-137.5419365	-142.0559886	-137.3760984	RIGHT
((5,3), (4,5))	-1000	-1000	-1000	-1000	UP
((0,13), (4,2))	-231.260256	-223.9185326	-240.5901347	-231.260256	DOWN
((1,13), (4,2))	-223.7549909	-214.2171073	-219.1462424	-222.6950613	DOWN

((2,13), (4,2))	-198.8904548	-205.091038	-1013.76	-214.1298667	UP
((3,13), (4,2))	-213.1868072	-226.2896613	-1012.77	-205.564672	RIGHT
((4,5), (3,5))	-146.2049029	-144.3220431	-152.9251877	-145.3812207	DOWN
((5,3), (2,5))	-1000	-1000	-1000	-1000	UP
((5,5), (3,5))	-135.8458907	-135.0481503	-134.7554561	-139.5894038	LEFT
((4,6), (3,5))	-1000.89	-142.4414399	-149.5726	-142.8906646	DOWN
((3,6), (3,5))	-1000	-1000	-1000	-1000	UP
((5,3), (3,5))	-1000	-1000	-1000	-1000	UP
((3,10), (2,1))	-172.1317393	-179.6796953	-198.5382493	-175.300306	UP
((2,10), (2,1))	-171.2774443	-166.9848774	-1012.77	-157.1779897	RIGHT
((1,10), (2,1))	-149.6736082	-169.9382086	-1013.76	-151.8219951	UP
((0,10), (2,1))	-150.6676924	-155.7084596	-1014.75	-155.3086041	UP
((4,10), (2,1))	-171.6578173	-181.767559	-1014.75	-180.2337589	UP
((3,11), (2,1))	-168.9213529	-154.6952067	-193.1834158	-1016.73	DOWN
((2,11), (2,1))	-156.6429712	-155.8503116	-172.1216743	-1015.74	DOWN
((1,11), (2,1))	-156.4866779	-168.0912498	-155.7874126	-135.3566421	RIGHT
((0,11), (2,1))	-156.4626036	-157.82035	-150.6509418	-136.1129679	RIGHT
((4,11), (2,1))	-168.7705689	-162.2575403	-192.7856351	-1017.72	DOWN
((5,2), (3,5))	-158.7186552	-142.0559886	-149.427695	-1003.86	DOWN
((5,1), (3,5))	-141.1114927	-137.0431147	-153.2186733	-142.0838003	DOWN
((5,0), (3,5))	-148.8725152	-145.6083093	-145.6083093	-144.0570787	RIGHT
((5,6), (3,5))	-151.6065891	-134.7663497	-135.0252058	-132.0933366	RIGHT
((5,7), (3,5))	-141.0654535	-132.5855894	-138.9255089	-141.0811964	DOWN
((4,7), (3,5))	-136.7915343	-140.9862967	-132.9604013	-142.9587755	LEFT
((3,7), (3,5))	-135.9471707	-128.2763364	-1000.89	-135.2077285	DOWN
((2,7), (3,5))	-126.5836025	-129.4772269	-1001.88	-137.7555987	UP
((1,7), (3,5))	-128.4792133	-115.3638918	-1002.87	-119.4558521	DOWN
((0,7), (3,5))	-128.47792	-127.1796091	-1003.86	-150.0428891	DOWN
((4,8), (3,5))	-132.7330108	-142.0559882	-144.0620162	-1004.85	UP
((3,8), (3,5))	-133.7096351	-144.0444343	-131.5853613	-124.4898102	RIGHT
((2,8), (3,5))	-134.3535338	-136.0457416	-127.8373901	-1004.85	LEFT
((1,8), (3,5))	-149.6447674	-131.0950206	-127.5226447	-1005.84	LEFT
((0,8), (3,5))	-137.0431147	-137.7579058	-136.3202975	-1006.83	LEFT
((5,8), (3,5))	-141.0559997	-142.0559886	-142.3907643	-1005.84	UP
((5,5), (4,5))	-139.2092192	-138.6376048	-143.0146528	-138.8257996	DOWN
((1,12), (4,1))	-196.4352728	-1015.74	-207.5225591	-213.4378215	UP
((0,12), (4,1))	-188.3711655	-219.4792207	-192.6480236	-201.0422253	UP
((5,6), (2,5))	-160.5409776	-168.8101879	-169.8558902	-163.489743	UP
((5,7), (2,5))	-159.4584018	-151.5263878	-153.8919102	-166.9079407	DOWN
((4,7), (2,5))	-150.8878383	-164.8627078	-170.0925854	-154.777288	UP
((3,7), (2,5))	-142.8474552	-158.0216861	-1002.87	-147.4823125	UP
((2,7), (2,5))	-146.8931327	-131.978941	-1001.88	-140.6657163	DOWN
((1,7), (2,5))	-142.1323702	-139.0808589	-1002.87	-147.6612818	DOWN
((0,7), (2,5))	-142.0559886	-150.5478793	-1003.86	-149.6358485	UP
((4,8), (2,5))	-147.6526493	-160.9978123	-154.4587151	-1006.83	UP
((3,8), (2,5))	-149.5869734	-160.2445714	-139.2154622	-134.2707443	RIGHT
((2,8), (2,5))	-139.451015	-141.9863428	-141.7213215	-1004.85	UP

((1,8), (2,5))	-137.0275246	-138.3175177	-148.5262898	-1005.84	UP
((0,8), (2,5))	-137.0431147	-137.5505489	-137.5286579	-1006.83	UP
((5,8), (2,5))	-159.9572011	-160.9967871	-160.5311334	-1007.82	UP
((4,9), (1,3))	-1000	-1000	-1000	-1000	UP
((5,6), (3,4))	-154.3433327	-155.4996343	-156.0099895	-157.3622727	UP
((5,7), (3,4))	-155.3504528	-151.5263878	-156.5393422	-160.9967866	DOWN
((4,7), (3,4))	-158.0027978	-159.9979468	-145.8427712	-150.9578465	LEFT
((3,7), (3,4))	-164.3373665	-147.5485039	-1002.87	-148.7286063	DOWN
((2,7), (3,4))	-153.2612322	-151.51823	-1003.86	-152.0085088	DOWN
((1,7), (3,4))	-145.6097324	-159.3991661	-1004.85	-151.4940358	UP
((0,7), (3,4))	-145.6083093	-148.9561197	-1005.84	-153.1184015	UP
((4,8), (3,4))	-148.7358798	-144.7013001	-158.0634323	-1006.83	DOWN
((3,8), (3,4))	-141.523645	-150.8900012	-138.7161319	-136.1279234	RIGHT
((2,8), (3,4))	-158.5600216	-141.5494245	-148.5130043	-1006.83	DOWN
((1,8), (3,4))	-154.1566105	-151.2938115	-152.3143599	-1007.82	DOWN
((0,8), (3,4))	-154.173504	-154.4953859	-159.9838362	-1008.81	UP
((5,8), (3,4))	-156.3134357	-160.9967871	-151.5263917	-1007.82	LEFT
((2,6), (2,5))	-1000	-1000	-1000	-1000	UP
((3,9), (1,3))	-1010.79	-1012.77	-124.2240126	-134.2226628	LEFT
((2,9), (1,3))	-1000	-1000	-1000	-1000	UP
((1,9), (1,5))	-1000	-1000	-1000	-1000	UP
((3,2), (4,4))	-160.7307643	-163.4355583	-162.536479	-1001.88	UP
((3,1), (4,4))	-169.8660761	-159.9988355	-164.86464	-170.9669659	DOWN
((3,0), (4,4))	-166.1179445	-167.8343031	-168.8101879	-162.6739245	RIGHT
((4,13), (4,2))	-205.7779057	-227.289582	-1011.78	-217.8191825	UP
((4,2), (4,4))	-164.3089032	-162.6501771	-156.8731395	-1000.89	LEFT
((4,1), (4,4))	-168.6439135	-169.8563664	-169.8493193	-162.9558913	RIGHT
((4,0), (4,4))	-168.7604558	-167.1741527	-169.8563693	-168.9198049	DOWN
((4,9), (4,4))	-1000	-1000	-1000	-1000	UP
((3,9), (4,4))	-1006.83	-1004.85	-158.6545303	-158.2491331	RIGHT
((2,9), (4,4))	-1000	-1000	-1000	-1000	UP
((0,9), (2,1))	-1000	-1000	-1000	-1000	UP
((5,9), (1,2))	-1000	-1000	-1000	-1000	UP
((0,9), (1,5))	-1000	-1000	-1000	-1000	UP
((3,12), (2,2))	-1000	-1000	-1000	-1000	UP
((4,7), (4,8))	-120.5586029	-117.4744419	-118.4382625	-995.94	DOWN
((3,7), (4,8))	-120.52002	-116.3702081	-998.91	-119.8259527	DOWN
((2,7), (4,8))	-121.477979	-121.5796263	-999.9	-123.355325	UP
((1,7), (4,8))	-114.0340267	-123.5392751	-1000.89	-116.7584619	UP
((0,7), (4,8))	-114.0330652	-113.1271523	-1001.88	-112.6187363	RIGHT
((5,7), (4,8))	-122.8452766	-110.9100839	-118.4213053	-110.5802443	RIGHT
((4,6), (4,8))	-998.91	-120.4783883	-125.729566	-120.9096742	DOWN
((3,6), (4,8))	-1000	-1000	-1000	-1000	UP
((3,10), (1,1))	-176.0021324	-157.6013365	-173.6713356	-160.5770122	DOWN
((2,10), (1,1))	-173.0552996	-165.0184917	-1014.75	-178.4866951	DOWN
((1,10), (1,1))	-174.9066013	-172.1134202	-1013.76	-159.5055606	RIGHT
((0,10), (1,1))	-174.9160822	-176.5497813	-1014.75	-156.423823	RIGHT

((4,10), (1,1))	-174.090665	-167.808166	-1016.73	-166.2014079	RIGHT
((3,11), (1,1))	-151.7365164	-144.7884798	-135.3001966	-1018.71	LEFT
((2,11), (1,1))	-155.5648619	-160.9455571	-180.6703673	-1017.72	UP
((1,11), (1,1))	-161.1912456	-162.2210231	-153.6085965	-138.2717049	RIGHT
((0,11), (1,1))	-156.4626036	-149.7452226	-150.6676878	-160.0657196	DOWN
((4,11), (1,1))	-157.852563	-168.969699	-175.6720453	-1019.7	UP
((5,13), (4,2))	-217.8198476	-227.2895818	-1012.77	-227.2895818	UP
((5,9), (1,4))	-1000	-1000	-1000	-1000	UP
((4,8), (4,9))	-1000	-1000	-1000	-1000	UP
((5,9), (3,4))	-1000	-1000	-1000	-1000	UP
((3,3), (4,6))	-1000	-1000	-1000	-1000	UP
((4,2), (4,5))	-153.913835	-144.1236025	-145.3619608	-1000.89	DOWN
((4,1), (4,5))	-141.1029929	-145.093636	-141.1548632	-146.9580956	UP
((4,0), (4,5))	-146.5432842	-142.0559065	-132.5855894	-140.2152554	LEFT
((5,2), (3,4))	-180.395077	-181.9889671	-187.3095821	-1003.86	UP
((5,1), (3,4))	-173.1900294	-180.0642005	-185.8239367	-175.2732282	UP
((5,0), (3,4))	-187.3896053	-176.2329189	-176.2329189	-175.2818127	RIGHT
((5,9), (3,5))	-1000	-1000	-1000	-1000	UP
((1,9), (1,3))	-1000	-1000	-1000	-1000	UP
((5,3), (4,6))	-1000	-1000	-1000	-1000	UP
((4,9), (3,4))	-1000	-1000	-1000	-1000	UP
((5,1), (4,5))	-138.4002497	-145.132992	-138.0683467	-144.8930651	LEFT
((5,0), (4,5))	-141.2078751	-142.0559886	-142.0559886	-144.1505171	UP
((5,2), (4,5))	-142.1551151	-134.7663497	-140.2777012	-1001.88	DOWN
((5,9), (2,5))	-1000	-1000	-1000	-1000	UP
((5,1), (4,4))	-168.1648414	-169.8563693	-158.7244217	-168.960995	LEFT
((5,0), (4,4))	-157.5570311	-155.4996343	-155.4996343	-168.7842828	DOWN
((5,2), (4,4))	-157.6510128	-157.7237715	-166.8677974	-1001.88	UP
((4,3), (4,4))	-1000	-1000	-1000	-1000	UP
((4,9), (1,4))	-1000	-1000	-1000	-1000	UP
((4,12), (3,1))	-1000	-1000	-1000	-1000	UP
((3,6), (4,6))	-1000	-1000	-1000	-1000	UP
((5,6), (4,6))	-999.9	-132.4485833	-136.9611963	-129.3687455	RIGHT
((4,6), (3,6))	-1000	-1000	-1000	-1000	UP
((3,9), (1,4))	-1008.81	-1010.79	-112.6691456	-121.0597687	LEFT
((2,9), (1,4))	-1000	-1000	-1000	-1000	UP
((4,9), (1,2))	-1000	-1000	-1000	-1000	UP
((4,12), (3,2))	-1000	-1000	-1000	-1000	UP
((3,9), (1,2))	-1012.77	-1014.75	-159.9335672	-125.3241957	RIGHT
((2,9), (1,2))	-1000	-1000	-1000	-1000	UP
((2,3), (4,6))	-1000	-1000	-1000	-1000	UP
((0,13), (4,1))	-195.0987071	-208.405075	-188.4494076	-195.0987071	LEFT
((1,13), (4,1))	-195.0983218	-199.722409	-214.2208915	-188.3711655	RIGHT
((2,13), (4,1))	-188.5770248	-192.3776518	-1015.74	-206.575352	UP
((3,13), (4,1))	-206.5752683	-191.3326299	-1014.75	-198.924413	DOWN
((1,12), (3,2))	-173.6305317	-1013.76	-196.3133148	-198.8601528	UP
((0,12), (3,2))	-174.9160822	-194.8803365	-206.1692711	-198.7035388	UP

((5,10), (2,1))	-185.2293358	-206.575352	-1015.74	-188.5752429	UP
((5,3), (4,7))	-1000	-1000	-1000	-1000	UP
((5,6), (4,5))	-137.3581435	-133.4585758	-145.8556952	-135.0954684	DOWN
((4,6), (4,5))	-1000.89	-138.6094406	-152.3291457	-139.0526274	DOWN
((5,9), (2,4))	-1000	-1000	-1000	-1000	UP
((5,12), (3,2))	-1000	-1000	-1000	-1000	UP
((5,7), (4,5))	-133.8588069	-135.0481503	-136.3806138	-130.9158449	RIGHT
((4,7), (4,5))	-132.0841245	-129.87227	-139.4830537	-133.7797661	DOWN
((3,7), (4,5))	-138.1100648	-133.5608599	-1000.89	-132.2656993	RIGHT
((2,7), (4,5))	-133.0285942	-142.677858	-1001.88	-135.3227744	UP
((1,7), (4,5))	-121.4902386	-123.3569696	-1002.87	-139.5901024	UP
((0,7), (4,5))	-128.47792	-127.5025614	-1003.86	-146.3824838	DOWN
((4,13), (4,1))	-199.1541137	-198.9267822	-1013.76	-214.1298667	DOWN
((1,12), (3,1))	-221.0481392	-1015.74	-194.4784669	-214.2184784	LEFT
((0,12), (3,1))	-214.226291	-207.3899181	-221.9623652	-215.4863944	DOWN
((4,8), (4,5))	-130.0341751	-133.7978569	-133.0281749	-1002.87	UP
((3,8), (4,5))	-131.342902	-128.5322124	-128.8775312	-125.2618332	RIGHT
((2,8), (4,5))	-132.096906	-134.1718561	-138.1475743	-1004.85	UP
((1,8), (4,5))	-137.0036838	-138.8778597	-131.0201818	-1005.84	LEFT
((0,8), (4,5))	-137.0431147	-133.2696184	-141.0792135	-1006.83	DOWN
((5,8), (4,5))	-134.3930456	-123.1151901	-134.4027984	-1003.86	DOWN
((5,7), (4,7))	-109.617747	-110.9100839	-118.7241732	-109.2685867	RIGHT
((4,7), (3,7))	-103.3411546	-103.7226629	-102.2749597	-104.2513368	LEFT
((3,7), (2,7))	-99.97590527	-96.70021233	-1000.89	-98.19361311	DOWN
((2,7), (1,7))	-94.21714134	-91.57229167	-1001.88	-90.12100878	RIGHT
((3,7), (1,7))	-92.76974333	-87.19351912	-1002.87	-98.30262687	DOWN
((2,6), (1,7))	-1000	-1000	-1000	-1000	UP
((3,3), (4,7))	-1000	-1000	-1000	-1000	UP
((4,9), (2,4))	-1000	-1000	-1000	-1000	UP
((5,13), (4,1))	-214.1986987	-198.924413	-1014.75	-198.924413	DOWN
((5,11), (2,2))	-212.9160549	-198.924413	-189.8513424	-1016.73	LEFT
((2,12), (2,2))	-1000	-1000	-1000	-1000	UP
((5,6), (4,8))	-123.3391848	-117.0223658	-121.3266385	-116.4986686	RIGHT
((5,5), (4,8))	-118.3433033	-121.325978	-123.7847836	-123.354216	UP
((4,5), (4,8))	-120.1413624	-120.906572	-122.7688978	-127.0141891	UP
((3,5), (4,8))	-116.9855717	-117.867667	-114.7479857	-998.91	LEFT
((2,5), (4,8))	-110.958425	-119.7546148	-116.3334354	-999.9	UP
((1,5), (4,8))	-106.1143068	-117.5242772	-110.8657082	-1000.89	UP
((0,5), (4,8))	-99.46220651	-104.2361004	-99.99556853	-1001.88	UP
((5,4), (4,8))	-124.8988659	-123.7941378	-1001.88	-125.7276507	DOWN
((4,4), (4,8))	-116.4255075	-122.8136883	-1000.89	-125.0731068	UP
((3,4), (4,8))	-110.0472792	-111.6279344	-1001.88	-115.1480904	UP
((2,4), (4,8))	-110.4290901	-110.4649755	-1002.87	-105.4807575	RIGHT
((1,4), (4,8))	-107.6600554	-109.0017312	-103.0182851	-114.1014241	LEFT
((0,4), (4,8))	-107.1131455	-98.51352032	-100.9913953	-99.41033534	DOWN
((5,3), (4,8))	-1000	-1000	-1000	-1000	UP
((4,9), (3,5))	-1000	-1000	-1000	-1000	UP

((3,9), (2,4))	-1006.83	-1008.81	-156.0975274	-133.1140374	RIGHT
((2,9), (2,4))	-1000	-1000	-1000	-1000	UP
((4,3), (4,8))	-1000	-1000	-1000	-1000	UP
((4,9), (2,5))	-1000	-1000	-1000	-1000	UP
((3,9), (3,4))	-1006.83	-1006.83	-139.7862957	-121.5980778	RIGHT
((2,9), (3,4))	-1000	-1000	-1000	-1000	UP
((3,10), (1,5))	-192.9672576	-185.3950703	-206.026852	-195.6789808	DOWN
((2,10), (1,5))	-176.9922219	-199.6966401	-1006.83	-185.2711254	UP
((1,10), (1,5))	-170.5428388	-180.2463648	-1005.84	-170.7916881	UP
((0,10), (1,5))	-170.4671863	-182.2453249	-1006.83	-162.7386988	RIGHT
((4,10), (1,5))	-177.2597366	-179.9331552	-1008.81	-173.3450153	RIGHT
((3,11), (1,5))	-177.7551872	-178.810091	-197.1264924	-1010.79	UP
((2,11), (1,5))	-171.7143675	-180.8023616	-187.2306147	-1009.8	UP
((1,11), (1,5))	-170.3365195	-180.2294827	-158.9664254	-166.5957085	LEFT
((0,11), (1,5))	-162.7386987	-168.3562215	-154.173487	-158.971483	LEFT
((4,11), (1,5))	-173.1133404	-180.5961527	-175.4402461	-1011.78	UP
((5,12), (3,1))	-1000	-1000	-1000	-1000	UP
((3,9), (2,5))	-1004.85	-1006.83	-134.9802183	-129.0859604	RIGHT
((2,9), (2,5))	-1000	-1000	-1000	-1000	UP
((5,7), (4,6))	-130.0773511	-130.0248509	-135.2936781	-127.3030153	RIGHT
((4,7), (4,6))	-127.8364992	-132.755391	-140.1445218	-132.4587587	UP
((3,7), (4,6))	-124.0432219	-126.1830778	-998.91	-129.2316728	UP
((2,7), (4,6))	-134.533368	-127.2434846	-999.9	-129.4019471	DOWN
((1,7), (4,6))	-131.5633773	-135.906701	-1000.89	-135.5719358	UP
((0,7), (4,6))	-123.1151901	-121.1182775	-1001.88	-132.5861234	DOWN
((5,8), (4,6))	-136.4527308	-133.4585758	-129.957931	-1001.88	LEFT
((4,8), (4,6))	-131.3115755	-133.458574	-131.1411664	-1000.89	LEFT
((3,8), (4,6))	-131.2877484	-137.5723061	-125.5852092	-122.4035153	RIGHT
((2,8), (4,6))	-133.8358245	-121.1169767	-126.6956477	-1002.87	DOWN
((1,8), (4,6))	-131.7069444	-127.7731907	-128.2123419	-1003.86	DOWN
((0,8), (4,6))	-132.5855894	-133.0974504	-122.9968233	-1004.85	LEFT
((4,9), (4,5))	-1000	-1000	-1000	-1000	UP
((2,6), (4,6))	-1000	-1000	-1000	-1000	UP
((1,3), (4,6))	-142.0461821	-1002.87	-128.6923723	-129.6542143	LEFT
((0,3), (4,6))	-142.0559886	-140.1006796	-144.6076795	-129.3763971	RIGHT
((3,9), (3,5))	-1004.85	-1004.85	-133.8645965	-114.6209686	RIGHT
((2,9), (3,5))	-1000	-1000	-1000	-1000	UP
((3,8), (4,8))	-119.3520982	-114.7773462	-118.1713117	-114.5730176	RIGHT
((2,8), (4,8))	-117.7938832	-118.4190763	-127.5811758	-998.91	UP
((1,8), (4,8))	-110.6075561	-117.816814	-110.378188	-999.9	LEFT
((0,8), (4,8))	-112.5401253	-117.4334517	-121.2238033	-1000.89	UP
((5,8), (4,8))	-104.6265094	-108.9257107	-112.7658773	-997.92	UP
((4,8), (3,8))	-97.9628372	-101.2823638	-97.60253475	-998.91	LEFT
((3,8), (2,8))	-90.93100041	-95.61849373	-92.07877184	-94.3436036	UP
((2,8), (1,8))	-85.65194667	-82.89375175	-82.45232611	-1000.89	LEFT
((3,8), (1,8))	-85.55865527	-74.50396307	-80.16622225	-78.21010967	DOWN
((2,7), (1,8))	-91.11601878	-81.41101397	-1001.88	-89.92046549	DOWN

((1,7), (1,8))	-84.24148167	-84.82246859	-1000.89	-998.91	UP
((0,7), (1,8))	-84.16032859	-92.4205504	-1001.88	-83.14828732	RIGHT
((3,7), (1,8))	-76.88242758	-71.16124071	-1002.87	-78.66912625	DOWN
((2,6), (1,8))	-1000	-1000	-1000	-1000	UP
((3,9), (4,8))	-998.91	-996.93	-108.9677337	-111.2631243	LEFT
((2,9), (4,8))	-1000	-1000	-1000	-1000	UP
((5,9), (4,8))	-1000	-1000	-1000	-1000	UP
((0,13), (3,2))	-181.6436239	-186.7768436	-182.0649763	-181.6436239	UP
((1,13), (3,2))	-181.5886842	-191.217379	-191.6011089	-174.9160822	RIGHT
((2,13), (3,2))	-195.4779439	-189.4610454	-1013.76	-191.2734741	DOWN
((3,13), (3,2))	-168.4157658	-190.4127883	-1012.77	-183.6225351	UP
((1,12), (2,2))	-167.9113891	-1013.76	-156.5468667	-169.0864447	LEFT
((0,12), (2,2))	-174.9160822	-173.9018429	-183.7583412	-175.3972656	DOWN
((2,6), (4,8))	-1000	-1000	-1000	-1000	UP
((5,8), (4,7))	-115.9931059	-117.0223658	-114.5822532	-999.9	LEFT
((4,8), (4,7))	-116.5060237	-121.7609171	-130.3658007	-998.91	UP
((3,8), (4,7))	-110.6688694	-121.5492752	-124.4153601	-112.2261418	UP
((2,8), (4,7))	-107.2006335	-111.8357526	-108.9043115	-1000.89	UP
((1,8), (4,7))	-112.784335	-113.7422948	-119.6890738	-1001.88	UP
((0,8), (4,7))	-102.782336	-115.6092522	-104.2518364	-1002.87	UP
((5,7), (3,7))	-108.4253615	-103.6664229	-106.9685848	-103.3056212	RIGHT
((4,6), (3,7))	-998.91	-104.1645272	-94.16040034	-107.8736319	LEFT
((3,6), (3,7))	-1000	-1000	-1000	-1000	UP
((5,9), (4,7))	-1000	-1000	-1000	-1000	UP
((5,9), (4,5))	-1000	-1000	-1000	-1000	UP
((0,9), (1,3))	-1000	-1000	-1000	-1000	UP
((4,13), (3,2))	-183.6833886	-192.2899915	-1013.76	-168.1885406	RIGHT
((1,9), (1,2))	-1000	-1000	-1000	-1000	UP
((4,8), (3,7))	-96.23103618	-103.1191275	-101.7234703	-1000.89	UP
((3,8), (3,7))	-90.2708404	-92.31576847	-999.9	-93.64423613	UP
((2,8), (3,7))	-90.86035143	-87.92143095	-92.27912947	-1000.89	DOWN
((1,8), (3,7))	-91.81126755	-95.83457006	-89.20769506	-1001.88	LEFT
((0,8), (3,7))	-91.81126755	-92.48428222	-98.82232301	-1002.87	UP
((5,8), (3,7))	-100.7617297	-94.21714134	-103.2330914	-1001.88	DOWN
((4,7), (2,7))	-93.68353765	-91.87021026	-90.28179262	-95.43127563	LEFT
((3,6), (2,7))	-1000	-1000	-1000	-1000	UP
((5,13), (3,2))	-184.4602851	-174.9160822	-1014.75	-174.9160822	DOWN
((3,12), (2,1))	-1000	-1000	-1000	-1000	UP
((2,3), (4,7))	-1000	-1000	-1000	-1000	UP
((0,9), (1,2))	-1000	-1000	-1000	-1000	UP
((5,8), (3,8))	-100.2544659	-101.2861128	-94.49695494	-999.9	LEFT
((4,7), (3,8))	-89.49750985	-94.70413169	-91.78375371	-94.90333917	UP
((3,7), (3,8))	-90.90819066	-87.00487019	-998.91	-82.32071702	RIGHT
((2,7), (3,8))	-87.4393076	-88.54664302	-999.9	-86.09972005	RIGHT
((1,7), (3,8))	-84.21066134	-83.79948535	-1000.89	-84.62667632	DOWN
((0,7), (3,8))	-94.21714134	-88.10172824	-1001.88	-94.6907139	DOWN
((5,7), (3,8))	-93.00341264	-94.7039924	-93.28418	-93.29387185	UP

((4,6), (3,8))	-998.91	-84.16032859	-90.8403024	-93.69729073	DOWN
((3,6), (3,8))	-1000	-1000	-1000	-1000	UP
((5,9), (4,6))	-1000	-1000	-1000	-1000	UP
((5,10), (1,5))	-162.2576862	-160.6697182	-1009.8	-168.3187447	DOWN
((3,3), (4,8))	-1000	-1000	-1000	-1000	UP
((2,12), (2,1))	-1000	-1000	-1000	-1000	UP
((4,9), (3,8))	-1000	-1000	-1000	-1000	UP
((3,10), (3,4))	-108.2577103	-109.2616571	-122.4857049	-109.1925512	UP
((2,10), (3,4))	-94.549025	-119.3941579	-1006.83	-92.20908576	RIGHT
((1,10), (3,4))	-78.03176019	-95.66615808	-1007.82	-77.9184147	RIGHT
((0,10), (3,4))	-78.03162318	-78.95096992	-1008.81	-60.78643108	RIGHT
((4,10), (3,4))	-110.1106269	-109.038133	-1006.83	-114.8629088	DOWN
((3,11), (3,4))	-95.24560756	-107.5603075	-103.782966	-1008.81	UP
((2,11), (3,4))	-79.95705661	-91.18215272	-93.28236725	-1009.8	UP
((1,11), (3,4))	-61.92761817	-74.05319337	-70.30166082	-63.12860111	UP
((0,11), (3,4))	-61.75457463	-61.91682112	-79.95692405	-63.73139563	UP
((4,11), (3,4))	-103.4968142	-115.8982404	-107.2574075	-1009.8	UP
((5,11), (2,1))	-174.9024981	-162.2575149	-206.3235449	-1018.71	DOWN
((1,6), (4,6))	-1000	-1000	-1000	-1000	UP
((1,9), (2,5))	-1000	-1000	-1000	-1000	UP
((0,2), (4,6))	-137.0431147	-136.2760236	-130.0654707	-137.6310855	LEFT
((1,2), (4,6))	-125.868575	-124.0031614	-128.4735317	-133.1725169	DOWN
((0,1), (4,6))	-130.0659624	-134.1206366	-136.2528447	-137.1021288	UP
((1,1), (4,6))	-120.2588993	-124.242934	-132.5761276	-135.7901322	UP
((0,0), (4,6))	-121.0957492	-129.9229407	-121.0957492	-123.5670069	UP
((1,0), (4,6))	-121.2219536	-124.1050913	-130.0659624	-118.2128802	RIGHT
((0,6), (4,6))	-1000	-1000	-1000	-1000	UP
((4,9), (4,8))	-1000	-1000	-1000	-1000	UP
((3,10), (4,8))	-109.2563151	-108.0508026	-105.1267067	-106.0981601	LEFT
((2,10), (4,8))	-106.9834196	-107.9867753	-998.91	-106.9738333	RIGHT
((1,10), (4,8))	-122.0402868	-105.2912308	-999.9	-106.6785557	DOWN
((0,10), (4,8))	-113.6447909	-112.7915575	-1000.89	-118.9239723	DOWN
((4,10), (4,8))	-108.7659119	-109.1933881	-996.93	-101.8768161	RIGHT
((3,11), (4,8))	-113.3482408	-115.8963765	-112.8417029	-1000.89	LEFT
((2,11), (4,8))	-111.3496691	-119.0559425	-106.1153009	-1001.88	LEFT
((1,11), (4,8))	-113.8981165	-115.2385323	-107.3611405	-106.3525218	RIGHT
((0,11), (4,8))	-123.1151901	-116.1312677	-113.6373467	-113.8356755	LEFT
((4,11), (4,8))	-119.7504909	-110.1872634	-108.1433298	-999.9	LEFT
((5,10), (4,8))	-108.2478517	-109.1933802	-997.92	-103.6664282	RIGHT
((4,8), (2,8))	-98.03595133	-90.83333569	-90.5619343	-1000.89	LEFT
((3,7), (2,8))	-85.85613286	-90.42960298	-1000.89	-98.2045076	UP
((2,7), (2,8))	-78.20281539	-89.63293218	-999.9	-997.92	UP
((1,7), (2,8))	-83.14962642	-74.77608326	-1000.89	-85.43840185	DOWN
((0,7), (2,8))	-74.00295787	-75.55369953	-1001.88	-84.62690324	UP
((4,7), (2,8))	-92.81169112	-95.16960978	-91.30333828	-92.21415637	LEFT
((3,6), (2,8))	-1000	-1000	-1000	-1000	UP
((3,12), (1,5))	-1000	-1000	-1000	-1000	UP

((4,9), (4,6))	-1000	-1000	-1000	-1000	UP
((3,10), (3,5))	-113.4272448	-112.3442936	-106.9596305	-112.5009017	LEFT
((2,10), (3,5))	-99.58096278	-117.2064826	-1004.85	-99.5805756	RIGHT
((1,10), (3,5))	-87.35320043	-96.473451	-1005.84	-94.14070789	UP
((0,10), (3,5))	-87.3531991	-95.73059291	-1006.83	-92.20605777	UP
((4,10), (3,5))	-113.7595875	-98.66316226	-1004.85	-103.2727191	DOWN
((3,11), (3,5))	-103.6621854	-111.5330373	-111.4821639	-1006.83	UP
((2,11), (3,5))	-94.57111219	-106.9407107	-101.3723676	-1007.82	UP
((1,11), (3,5))	-96.04146814	-89.4843852	-86.28603562	-92.87318372	LEFT
((0,11), (3,5))	-92.20615461	-93.2605632	-91.18689728	-81.27916917	RIGHT
((4,11), (3,5))	-110.7652563	-104.308416	-113.0411667	-1007.82	DOWN
((0,13), (3,1))	-221.8772299	-213.252889	-225.7967804	-221.8772299	DOWN
((1,13), (3,1))	-221.8196289	-206.5663921	-212.460627	-214.226291	DOWN
((2,13), (3,1))	-184.9616744	-185.7496435	-1015.74	-206.575352	UP
((3,13), (3,1))	-181.6641474	-181.693731	-1014.75	-174.9160822	RIGHT
((4,13), (3,1))	-182.6071865	-188.3711655	-1015.74	-181.6436239	RIGHT
((3,10), (4,4))	-145.5486912	-145.6284607	-155.3241966	-147.2876036	UP
((2,10), (4,4))	-132.6578696	-160.6679542	-1006.83	-132.1785904	RIGHT
((1,10), (4,4))	-134.5856424	-135.4829143	-1007.82	-142.5075079	UP
((0,10), (4,4))	-134.5508325	-136.8178505	-1008.81	-141.2802947	UP
((4,10), (4,4))	-145.5161112	-166.6431715	-1004.85	-146.505736	UP
((3,11), (4,4))	-136.4638116	-145.6363226	-143.2918054	-1008.81	UP
((2,11), (4,4))	-137.6676372	-136.7378561	-135.3381069	-1009.8	LEFT
((1,11), (4,4))	-135.593686	-127.4582841	-141.306913	-126.858753	RIGHT
((0,11), (4,4))	-141.2783741	-141.7988735	-140.4188753	-125.10575	RIGHT
((4,11), (4,4))	-145.4459193	-146.6221726	-148.4001007	-1007.82	UP
((5,10), (4,4))	-158.243315	-160.9967871	-1005.84	-154.1735033	RIGHT
((2,2), (4,6))	-124.6775924	-121.7178288	-126.2431284	-1002.87	DOWN
((2,1), (4,6))	-129.1048773	-127.1697185	-122.4154999	-134.0547494	LEFT
((2,0), (4,6))	-113.4967467	-125.4165599	-122.4150234	-122.736224	UP
((3,2), (4,6))	-132.9027849	-133.5352863	-125.20556	-1001.88	LEFT
((3,1), (4,6))	-121.5290775	-120.4011709	-114.7373392	-123.3370553	LEFT
((3,0), (4,6))	-113.4648945	-113.6030516	-114.7640844	-126.0979716	UP
((5,6), (3,7))	-102.68379	-104.1743916	-97.2201268	-103.1769039	LEFT
((5,5), (3,7))	-96.60400607	-91.81126755	-99.45859315	-92.5253496	DOWN
((4,5), (3,7))	-88.20286611	-98.10923625	-95.52377605	-93.07821007	UP
((3,5), (3,7))	-93.54799274	-89.04643155	-85.99652406	-998.91	LEFT
((2,5), (3,7))	-85.65257385	-85.90774121	-84.14738671	-999.9	LEFT
((1,5), (3,7))	-87.4266347	-92.72202834	-84.1315645	-1000.89	LEFT
((0,5), (3,7))	-87.45804112	-81.57534286	-93.46448363	-1001.88	DOWN
((5,4), (3,7))	-97.57354961	-99.46220651	-1003.86	-91.75360212	RIGHT
((4,4), (3,7))	-87.93022739	-87.44886193	-1002.87	-90.30157501	DOWN
((3,4), (3,7))	-79.92321107	-85.57436126	-1001.88	-94.44988938	UP
((2,4), (3,7))	-82.77034666	-76.54745222	-1002.87	-82.34871076	DOWN
((1,4), (3,7))	-76.24839869	-87.42435136	-87.90087203	-78.17765898	UP
((0,4), (3,7))	-81.12875744	-84.14439145	-81.95477578	-93.23788297	UP
((5,3), (3,7))	-1000	-1000	-1000	-1000	UP

((5,11), (1,5))	-167.521985	-168.3206572	-169.1540859	-1012.77	UP
((2,12), (1,5))	-1000	-1000	-1000	-1000	UP
((4,9), (4,7))	-1000	-1000	-1000	-1000	UP
((3,9), (4,5))	-1004.85	-1002.87	-122.6837449	-112.4141096	RIGHT
((2,9), (4,5))	-1000	-1000	-1000	-1000	UP
((5,11), (4,4))	-147.9058021	-154.173504	-160.996787	-1008.81	UP
((2,6), (4,7))	-1000	-1000	-1000	-1000	UP
((2,3), (4,8))	-1000	-1000	-1000	-1000	UP
((5,10), (1,1))	-153.855693	-168.0524261	-1017.72	-145.5719278	RIGHT
((5,11), (4,8))	-103.2333298	-103.6664229	-108.292054	-1000.89	UP
((1,9), (4,4))	-1000	-1000	-1000	-1000	UP
((3,9), (4,6))	-1002.87	-1000.89	-114.2781223	-121.0208041	LEFT
((2,9), (4,6))	-1000	-1000	-1000	-1000	UP
((5,10), (3,5))	-109.5286525	-114.3682076	-1005.84	-110.6489098	UP
((1,3), (4,7))	-114.7640805	-1002.87	-115.2328988	-116.1527424	UP
((0,3), (4,7))	-114.7640844	-113.762922	-106.545556	-112.4349332	LEFT
((1,6), (4,8))	-1000	-1000	-1000	-1000	UP
((3,12), (1,1))	-1000	-1000	-1000	-1000	UP
((5,6), (3,8))	-88.92281816	-84.16032859	-86.53160605	-93.64551185	DOWN
((5,5), (3,8))	-92.4368172	-91.81126755	-95.06552475	-88.1582422	RIGHT
((4,5), (3,8))	-86.57518826	-88.54405907	-86.23853778	-91.42982092	LEFT
((3,5), (3,8))	-93.64200716	-90.73839179	-82.14639783	-998.91	LEFT
((2,5), (3,8))	-86.58956453	-86.0984832	-87.28791073	-999.9	DOWN
((1,5), (3,8))	-93.34757085	-89.72146556	-89.5451317	-1000.89	LEFT
((0,5), (3,8))	-87.45804112	-91.39802646	-99.95944788	-1001.88	UP
((5,4), (3,8))	-88.06517096	-87.45804112	-1003.86	-91.78335157	DOWN
((4,4), (3,8))	-85.49172947	-90.00819166	-1002.87	-95.8184885	UP
((3,4), (3,8))	-84.20312928	-84.11313344	-1001.88	-77.83203896	RIGHT
((2,4), (3,8))	-95.23486226	-84.40844102	-1002.87	-86.48692729	DOWN
((1,4), (3,8))	-94.148418	-93.29054952	-85.92398646	-98.42999029	LEFT
((0,4), (3,8))	-94.18558275	-91.70278678	-91.8036536	-90.15574066	RIGHT
((5,3), (3,8))	-1000	-1000	-1000	-1000	UP
((5,10), (3,4))	-122.9832003	-92.20615461	-1007.82	-114.9620073	DOWN
((1,9), (2,4))	-1000	-1000	-1000	-1000	UP
((5,13), (3,1))	-175.9160952	-188.3711655	-1016.73	-188.3711655	UP
((1,9), (4,8))	-1000	-1000	-1000	-1000	UP
((1,12), (1,5))	-171.3432571	-1009.8	-162.3778875	-159.9905528	RIGHT
((0,12), (1,5))	-171.3038933	-170.4387737	-154.5519475	-162.5915211	LEFT
((1,9), (1,4))	-1000	-1000	-1000	-1000	UP
((0,6), (4,8))	-1000	-1000	-1000	-1000	UP
((0,13), (1,5))	-160.6697182	-159.5484231	-169.340278	-160.6697182	DOWN
((1,13), (1,5))	-160.6715577	-160.6716768	-174.1722467	-171.3038933	UP
((2,13), (1,5))	-171.3715964	-168.3206574	-1009.8	-160.6697182	RIGHT
((3,13), (1,5))	-178.9363897	-154.7334603	-1010.79	-168.3206572	DOWN
((1,12), (2,1))	-133.9478104	-1015.74	-119.7993126	-134.7008453	LEFT
((0,12), (2,1))	-135.8827542	-135.0915927	-149.8265798	-136.4223914	DOWN
((1,6), (4,7))	-1000	-1000	-1000	-1000	UP

State	Q1	Q2	Q3	Q4	Action
((3,9), (2,8))	-998.91	-1000.89	-88.09309193	-91.00300833	LEFT
((2,9), (2,8))	-1000	-1000	-1000	-1000	UP
((3,7), (4,7))	-118.7494426	-124.4865265	-998.91	-118.5254925	RIGHT
((2,7), (4,7))	-114.6684079	-117.7327509	-999.9	-115.7097989	UP
((1,7), (4,7))	-113.9701161	-118.6032926	-1000.89	-116.711063	UP
((0,7), (4,7))	-114.0330652	-107.10665	-1001.88	-112.89649	DOWN
((4,12), (2,1))	-1000	-1000	-1000	-1000	UP
((1,9), (3,4))	-1000	-1000	-1000	-1000	UP
((4,1), (4,6))	-123.4382432	-126.5276826	-113.8314835	-119.7988555	LEFT
((4,0), (4,6))	-121.1255433	-133.631248	-132.5855894	-124.109507	UP
((4,2), (4,6))	-127.8834266	-123.0624731	-123.0960101	-1000.89	DOWN
((5,1), (4,6))	-118.8712421	-119.9127253	-132.5929686	-128.5439824	UP
((5,0), (4,6))	-132.5867742	-128.47792	-128.47792	-127.6550856	RIGHT
((5,2), (4,6))	-119.6223058	-123.1151901	-119.9702286	-1001.88	UP
((4,12), (2,2))	-1000	-1000	-1000	-1000	UP
((0,9), (4,8))	-1000	-1000	-1000	-1000	UP
((3,9), (4,7))	-1000.89	-998.91	-107.2412492	-105.3661362	RIGHT
((2,9), (4,7))	-1000	-1000	-1000	-1000	UP
((5,9), (3,8))	-1000	-1000	-1000	-1000	UP
((4,3), (3,7))	-1000	-1000	-1000	-1000	UP
((0,9), (3,4))	-1000	-1000	-1000	-1000	UP
((4,9), (3,7))	-1000	-1000	-1000	-1000	UP
((3,12), (4,8))	-1000	-1000	-1000	-1000	UP
((3,10), (1,2))	-122.1710099	-106.7270622	-114.3172046	-118.6299483	DOWN
((2,10), (1,2))	-114.5342575	-119.1653457	-1012.77	-119.8680673	UP
((1,10), (1,2))	-93.63043041	-120.4729886	-1011.78	-93.69592705	UP
((0,10), (1,2))	-93.63794782	-91.91070003	-1012.77	-95.84126027	DOWN
((4,10), (1,2))	-117.5319055	-105.3646216	-1014.75	-121.4044234	DOWN
((3,11), (1,2))	-121.720009	-103.3660606	-125.5569952	-1016.73	DOWN
((2,11), (1,2))	-100.1227711	-101.1315025	-116.4629831	-1015.74	UP
((1,11), (1,2))	-97.51061237	-119.1235158	-93.61744481	-99.27492432	LEFT
((0,11), (1,2))	-73.51735075	-93.59986188	-93.59209949	-75.22819079	UP
((4,11), (1,2))	-118.76769	-105.8212972	-129.2220786	-1017.72	DOWN
((3,10), (2,4))	-131.8757902	-134.0418781	-127.8724002	-128.30185	LEFT
((2,10), (2,4))	-130.8677664	-126.6755622	-1006.83	-128.5905848	DOWN
((1,10), (2,4))	-114.9030443	-129.5730144	-1007.82	-123.064894	UP
((0,10), (2,4))	-115.8982249	-120.8271108	-1008.81	-120.5922808	UP
((4,10), (2,4))	-145.1778347	-120.667648	-1008.81	-126.4930379	DOWN
((3,11), (2,4))	-116.0316363	-119.8753756	-118.0531533	-1010.79	UP
((2,11), (2,4))	-116.9717981	-121.1910306	-131.5297208	-1009.8	UP
((1,11), (2,4))	-121.7160858	-127.7243948	-122.004769	-110.8632544	RIGHT
((0,11), (2,4))	-121.6931362	-121.7130856	-115.8809261	-106.9375875	RIGHT
((4,11), (2,4))	-117.7187385	-127.488067	-124.7619607	-1011.78	UP
((5,12), (2,2))	-1000	-1000	-1000	-1000	UP
((3,8), (2,7))	-88.82243968	-95.85508906	-94.55502993	-91.37591401	UP
((2,8), (2,7))	-90.81126597	-88.71482639	-1000.89	-1000.89	DOWN
((1,8), (2,7))	-94.27935583	-93.26315334	-86.08073316	-1001.88	LEFT

((0,8), (2,7))	-91.81126755	-91.63946874	-90.22372306	-1002.87	LEFT
((4,8), (2,7))	-88.02830698	-97.53577774	-93.75522632	-1002.87	UP
((2,8), (1,7))	-84.75222031	-87.81440461	-99.55378464	-1002.87	UP
((1,8), (1,7))	-79.82065342	-90.08197058	-1001.88	-1001.88	UP
((0,8), (1,7))	-69.53893495	-78.50150492	-79.74604862	-1002.87	UP
((3,8), (1,7))	-91.65076833	-93.34043242	-92.00085665	-89.89930479	RIGHT
((4,7), (1,7))	-89.65094025	-82.71912608	-76.27284454	-84.05478919	LEFT
((3,6), (1,7))	-1000	-1000	-1000	-1000	UP
((0,2), (4,7))	-107.640666	-111.0165188	-98.65402902	-112.9863674	LEFT
((1,2), (4,7))	-107.6102215	-104.4070697	-109.6512826	-118.0840949	DOWN
((0,1), (4,7))	-98.51349118	-102.9106178	-99.63522406	-112.8225809	UP
((1,1), (4,7))	-97.86898856	-96.94249865	-98.63508442	-115.2862743	DOWN
((0,0), (4,7))	-104.3084024	-113.0451732	-104.3084024	-108.6422856	UP
((1,0), (4,7))	-104.4081316	-100.4174628	-98.51349118	-109.4009607	LEFT
((0,13), (2,2))	-156.4626036	-153.1963044	-174.9172053	-156.4626036	DOWN
((1,13), (2,2))	-175.8219012	-150.0950244	-149.7317875	-150.6676924	LEFT
((2,13), (2,2))	-126.4165253	-150.6700639	-1013.76	-144.8727812	UP
((3,7), (3,6))	-1000	-1000	-1000	-1000	UP
((5,7), (2,7))	-92.21772803	-91.81126755	-93.34969057	-98.70124466	DOWN
((4,6), (2,7))	-1000.89	-87.42951145	-93.80507387	-87.79145432	DOWN
((5,9), (3,7))	-1000	-1000	-1000	-1000	UP
((3,3), (3,7))	-1000	-1000	-1000	-1000	UP
((3,9), (3,7))	-1000.89	-1000.89	-90.31721722	-84.62131202	RIGHT
((2,9), (3,7))	-1000	-1000	-1000	-1000	UP
((0,6), (4,7))	-1000	-1000	-1000	-1000	UP
((0,9), (1,4))	-1000	-1000	-1000	-1000	UP
((2,9), (1,8))	-1000	-1000	-1000	-1000	UP
((3,8), (3,9))	-79.99245972	-80.23006187	-80.43171506	-76.08153235	RIGHT
((2,8), (3,9))	-75.26036965	-78.73838336	-81.27671128	-996.93	UP
((1,8), (3,9))	-76.46508594	-74.77897462	-84.47346729	-997.92	DOWN
((0,8), (3,9))	-76.50938963	-72.14240041	-74.04771317	-998.91	DOWN
((4,8), (3,9))	-75.02888108	-77.08748885	-84.02168922	-996.93	UP
((3,7), (3,9))	-75.34297907	-80.17393173	-998.91	-78.7228249	UP
((2,7), (3,9))	-79.98164901	-81.88624266	-999.9	-78.51895145	RIGHT
((1,7), (3,9))	-80.11357292	-84.32274636	-1000.89	-77.25520166	RIGHT
((0,7), (3,9))	-74.00295787	-77.57806719	-1001.88	-80.29921751	UP
((4,7), (3,9))	-79.90515483	-79.9442319	-77.98409846	-76.23428677	RIGHT
((3,6), (3,9))	-1000	-1000	-1000	-1000	UP
((3,9), (3,10))	-996.93	-996.93	-71.30492055	-70.78942661	RIGHT
((2,9), (3,10))	-1000	-1000	-1000	-1000	UP
((3,10), (2,5))	-118.3386737	-140.59471	-114.398749	-137.5963368	LEFT
((2,10), (2,5))	-117.440534	-114.4136569	-1004.85	-128.2124636	DOWN
((1,10), (2,5))	-125.8800432	-116.1179497	-1005.84	-131.5572006	DOWN
((0,10), (2,5))	-121.0957492	-109.1999945	-1006.83	-127.8124595	DOWN
((4,10), (2,5))	-130.0980637	-127.8130453	-1006.83	-138.5093047	DOWN
((3,11), (2,5))	-127.2894844	-140.017696	-125.5748508	-1008.81	LEFT
((2,11), (2,5))	-126.8695668	-138.5099497	-118.3662761	-1007.82	LEFT

((1,11), (2,5))	-122.1267904	-127.2270509	-119.2370296	-131.9101173	LEFT
((0,11), (2,5))	-127.8232909	-129.6185045	-121.0955744	-132.7735063	LEFT
((4,11), (2,5))	-130.0583066	-133.9270007	-124.8721658	-1009.8	LEFT
((1,3), (4,8))	-91.64356426	-1002.87	-98.08356768	-91.58710891	RIGHT
((0,3), (4,8))	-100.9131244	-101.9138739	-91.923268	-106.9728059	LEFT
((5,11), (1,1))	-156.0538874	-145.5886652	-160.5626097	-1020.69	DOWN
((2,12), (1,1))	-1000	-1000	-1000	-1000	UP
((4,3), (3,8))	-1000	-1000	-1000	-1000	UP
((2,2), (4,7))	-117.2307367	-106.9631028	-98.32140579	-1002.87	LEFT
((2,1), (4,7))	-95.13882518	-95.06566553	-91.82613542	-87.03891269	RIGHT
((2,0), (4,7))	-108.5715623	-99.40298602	-92.71857994	-95.61636036	LEFT
((3,2), (4,7))	-111.0374173	-101.2327006	-97.80491544	-1001.88	LEFT
((3,1), (4,7))	-91.76412049	-107.2731749	-100.8923032	-97.77784764	UP
((3,0), (4,7))	-101.8947462	-99.91433891	-100.9131244	-99.78637206	RIGHT
((3,3), (3,8))	-1000	-1000	-1000	-1000	UP
((0,2), (4,8))	-107.640666	-95.89925799	-97.60507551	-98.12416399	DOWN
((1,2), (4,8))	-92.72992606	-93.17866724	-97.51740091	-87.46677098	RIGHT
((0,1), (4,8))	-82.50024359	-94.46201413	-99.23668314	-107.5294127	UP
((1,1), (4,8))	-85.87541314	-83.99334875	-103.2698866	-92.27453578	DOWN
((0,0), (4,8))	-104.3084024	-103.8689183	-104.3084024	-95.9306648	RIGHT
((1,0), (4,8))	-104.3084024	-101.9133511	-98.51349118	-97.54320385	RIGHT
((3,12), (3,4))	-1000	-1000	-1000	-1000	UP
((3,10), (4,6))	-118.6751616	-112.8298781	-115.7244229	-113.0835847	DOWN
((2,10), (4,6))	-111.4555417	-123.4457623	-1002.87	-111.0810587	RIGHT
((1,10), (4,6))	-107.7802244	-119.7008082	-1003.86	-106.749591	RIGHT
((0,10), (4,6))	-92.71857994	-115.143335	-1004.85	-97.79600409	UP
((4,10), (4,6))	-117.5540597	-128.7216472	-1000.89	-112.2335671	RIGHT
((3,11), (4,6))	-103.6130715	-111.3428796	-111.0988424	-1004.85	UP
((2,11), (4,6))	-99.29578322	-106.1959129	-99.70878896	-1005.84	UP
((1,11), (4,6))	-97.41576743	-101.4608927	-120.3188086	-101.0727114	UP
((0,11), (4,6))	-82.50024359	-94.99612777	-92.75691544	-83.78809205	UP
((4,11), (4,6))	-111.2715093	-112.3624872	-114.102156	-1003.86	UP
((5,10), (4,6))	-120.3687342	-123.1151901	-1001.88	-119.9127245	RIGHT
((1,9), (3,5))	-1000	-1000	-1000	-1000	UP
((2,7), (3,7))	-93.26706278	-89.69221627	-999.9	-93.69689958	DOWN
((1,7), (3,7))	-94.21739599	-93.66282743	-1000.89	-93.73595702	DOWN
((0,7), (3,7))	-94.21714134	-95.33463163	-1001.88	-98.86648494	UP
((3,9), (2,7))	-1000.89	-1002.87	-95.55416207	-90.6982938	RIGHT
((2,9), (2,7))	-1000	-1000	-1000	-1000	UP
((5,8), (2,8))	-87.76082263	-94.21714134	-96.18268773	-1001.88	UP
((5,7), (2,8))	-100.6857608	-91.81126755	-87.53518918	-94.21714139	LEFT
((4,6), (2,8))	-1000.89	-84.88775128	-85.73834452	-90.07150826	DOWN
((0,9), (4,4))	-1000	-1000	-1000	-1000	UP
((2,2), (4,8))	-98.13542259	-99.70228733	-91.3992717	-1002.87	LEFT
((2,1), (4,8))	-93.61780748	-93.04886356	-101.3905059	-95.49520507	DOWN
((2,0), (4,8))	-98.55237208	-92.60507511	-92.71857994	-102.0227975	DOWN
((3,2), (4,8))	-97.16598818	-88.51206642	-89.78883334	-1001.88	DOWN

((3,1), (4,8))	-98.17411298	-88.55748343	-86.02815369	-95.34488996	LEFT
((3,0), (4,8))	-92.71817919	-86.05739613	-86.92366869	-87.48439636	DOWN
((4,12), (4,8))	-1000	-1000	-1000	-1000	UP
((5,12), (2,1))	-1000	-1000	-1000	-1000	UP
((3,12), (4,4))	-1000	-1000	-1000	-1000	UP
((2,9), (1,7))	-1000	-1000	-1000	-1000	UP
((5,11), (3,4))	-105.2309252	-115.8982249	-109.3713171	-1010.79	UP
((2,12), (3,4))	-1000	-1000	-1000	-1000	UP
((4,9), (3,10))	-1000	-1000	-1000	-1000	UP
((4,12), (4,4))	-1000	-1000	-1000	-1000	UP
((3,13), (2,2))	-148.8772287	-131.0586222	-1014.75	-126.1768431	RIGHT
((4,9), (2,8))	-1000	-1000	-1000	-1000	UP
((5,8), (2,7))	-92.84869474	-87.45804112	-102.676651	-1003.86	DOWN
((2,7), (2,6))	-1000	-1000	-1000	-1000	UP
((5,11), (4,6))	-113.7880141	-119.9127253	-123.1151901	-1004.85	UP
((4,13), (2,2))	-145.9013272	-135.8827542	-1015.74	-131.0297986	RIGHT
((0,9), (2,5))	-1000	-1000	-1000	-1000	UP
((0,13), (2,1))	-113.1458536	-134.9082305	-108.9876705	-113.1458536	LEFT
((1,13), (2,1))	-136.1392338	-156.2400351	-137.9569455	-109.2442725	RIGHT
((2,13), (2,1))	-136.1447638	-135.8827806	-1015.74	-156.4626036	DOWN
((3,13), (2,1))	-137.5055179	-140.7645599	-1016.73	-135.8827542	RIGHT
((5,6), (2,7))	-96.82326258	-87.45804112	-94.18607084	-91.73746756	DOWN
((5,5), (2,7))	-86.90477898	-94.18558275	-86.24847002	-97.71652537	LEFT
((4,5), (2,7))	-95.52383675	-96.88625287	-84.51457838	-96.53776271	LEFT
((3,5), (2,7))	-91.54819121	-86.60504233	-87.32109374	-1000.89	DOWN
((2,5), (2,7))	-86.59881134	-83.93221858	-83.89965445	-999.9	LEFT
((1,5), (2,7))	-87.45875301	-78.95126003	-82.73620731	-1000.89	DOWN
((0,5), (2,7))	-87.45804112	-89.60200911	-80.21695371	-1001.88	LEFT
((5,4), (2,7))	-80.16828764	-72.79433258	-1005.84	-97.74814338	DOWN
((4,4), (2,7))	-82.85734327	-72.77592873	-1004.85	-72.70637591	RIGHT
((3,4), (2,7))	-81.49290187	-85.587442	-1003.86	-86.54122941	UP
((2,4), (2,7))	-80.08524243	-89.35830911	-1002.87	-80.79632268	UP
((1,4), (2,7))	-80.23258538	-80.49404271	-71.91423274	-72.53637286	LEFT
((0,4), (2,7))	-67.94137708	-80.25840087	-72.84608759	-89.52060613	UP
((5,3), (2,7))	-1000	-1000	-1000	-1000	UP
((3,10), (3,7))	-95.40630278	-81.69978109	-88.10153979	-77.37776822	RIGHT
((2,10), (3,7))	-92.35677205	-84.60129305	-1000.89	-86.45848988	DOWN
((1,10), (3,7))	-81.16690191	-85.45356302	-1001.88	-86.52426033	UP
((0,10), (3,7))	-81.12875744	-76.30621245	-1002.87	-84.22756924	DOWN
((4,10), (3,7))	-74.41346822	-74.31305744	-1000.89	-80.16507121	DOWN
((3,11), (3,7))	-85.79914779	-91.95779672	-86.67093121	-1002.87	UP
((2,11), (3,7))	-85.12043081	-83.86020691	-86.43215054	-1003.86	DOWN
((1,11), (3,7))	-90.11406535	-92.08990408	-83.86861729	-74.57168191	RIGHT
((0,11), (3,7))	-86.92366869	-84.28914577	-80.11369102	-91.72235006	LEFT
((4,11), (3,7))	-82.66806463	-80.19419733	-85.51375367	-1003.86	DOWN
((3,10), (4,5))	-99.94541355	-113.0093991	-114.5893798	-110.6682458	UP
((2,10), (4,5))	-103.2549918	-98.18416289	-1004.85	-89.65399474	RIGHT

((1,10), (4,5))	-89.49554091	-93.83345025	-1005.84	-94.55848091	UP
((0,10), (4,5))	-87.3531991	-88.31721776	-1006.83	-74.28359573	RIGHT
((4,10), (4,5))	-102.6883403	-118.5946039	-1002.87	-101.9569925	RIGHT
((3,11), (4,5))	-96.03560381	-106.6919535	-97.30120064	-1006.83	UP
((2,11), (4,5))	-91.67649664	-100.9454417	-101.3160326	-1007.82	UP
((1,11), (4,5))	-79.08911949	-91.44407408	-86.45314244	-90.63014026	UP
((0,11), (4,5))	-74.13004202	-94.11552336	-87.18014239	-77.43616926	UP
((4,11), (4,5))	-101.6482423	-117.2326298	-99.82479975	-1005.84	LEFT
((5,10), (4,5))	-105.1160777	-114.7640844	-1003.86	-107.6330701	UP
((3,10), (4,7))	-98.3498503	-102.6234616	-99.96354569	-96.00246884	RIGHT
((2,10), (4,7))	-105.9646602	-92.35989287	-1000.89	-93.7224902	DOWN
((1,10), (4,7))	-100.0840176	-95.34359446	-1001.88	-103.1416943	DOWN
((0,10), (4,7))	-94.18558275	-95.84068047	-1002.87	-100.9140343	UP
((4,10), (4,7))	-93.99602364	-108.9606319	-998.91	-96.75630955	UP
((3,11), (4,7))	-90.13850652	-94.1961581	-96.84204433	-1002.87	UP
((2,11), (4,7))	-104.5619912	-90.8205624	-91.14207751	-1003.86	DOWN
((1,11), (4,7))	-95.63435453	-100.1198407	-97.14584585	-106.6432262	UP
((0,11), (4,7))	-100.9131244	-95.19768407	-95.79587469	-105.1257815	DOWN
((4,11), (4,7))	-94.16393021	-95.28397604	-94.46292805	-1001.88	UP
((5,10), (4,7))	-101.4591941	-104.1743916	-999.9	-102.8555689	UP
((3,10), (1,4))	-113.0825907	-118.7618235	-118.5802783	-110.5965642	RIGHT
((2,10), (1,4))	-113.3668075	-110.6202493	-1008.81	-102.2513527	RIGHT
((1,10), (1,4))	-97.23372513	-115.0805907	-1007.82	-97.05874488	RIGHT
((0,10), (1,4))	-97.05911011	-97.0234899	-1008.81	-100.4275768	DOWN
((5,11), (4,7))	-101.7601285	-102.782336	-109.7891991	-1002.87	UP
((4,8), (1,8))	-74.4468262	-75.33470768	-66.99481765	-1002.87	LEFT
((4,7), (1,8))	-60.90703379	-71.79814791	-69.93740453	-68.07576323	UP
((3,6), (1,8))	-1000	-1000	-1000	-1000	UP
((4,2), (4,7))	-98.6239671	-99.49046028	-98.09772974	-1000.89	LEFT
((4,1), (4,7))	-101.1059498	-95.42093815	-107.0313524	-99.45870197	DOWN
((4,0), (4,7))	-100.0508166	-100.9131236	-107.1131455	-100.8807379	UP
((5,12), (4,8))	-1000	-1000	-1000	-1000	UP
((5,1), (4,7))	-93.10492339	-94.18558275	-107.9775322	-89.11379638	RIGHT
((5,0), (4,7))	-105.1073553	-100.9131244	-100.9131244	-95.0752133	RIGHT
((5,2), (4,7))	-104.2255178	-99.46220651	-94.14485269	-1001.88	LEFT
((0,9), (3,5))	-1000	-1000	-1000	-1000	UP
((3,12), (3,5))	-1000	-1000	-1000	-1000	UP
((1,9), (4,5))	-1000	-1000	-1000	-1000	UP
((2,12), (4,8))	-1000	-1000	-1000	-1000	UP
((4,12), (1,5))	-1000	-1000	-1000	-1000	UP
((2,6), (2,8))	-1000	-1000	-1000	-1000	UP
((0,9), (2,4))	-1000	-1000	-1000	-1000	UP
((3,10), (2,8))	-99.70137161	-98.50949988	-96.96217435	-105.1476926	LEFT
((2,10), (2,8))	-100.2639021	-94.8592149	-998.91	-106.4817542	DOWN
((1,10), (2,8))	-91.81116789	-100.1995019	-999.9	-95.48658764	UP
((0,10), (2,8))	-91.81126755	-90.85560097	-1000.89	-94.07499317	DOWN
((4,10), (2,8))	-104.5102376	-103.0373619	-1000.89	-106.0849108	DOWN

((3,11), (2,8))	-96.65724346	-104.0468384	-94.21966575	-1002.87	LEFT
((2,11), (2,8))	-108.1282526	-99.03261175	-99.30944526	-1001.88	DOWN
((1,11), (2,8))	-99.46220866	-108.4358538	-100.5698906	-98.246241	RIGHT
((0,11), (2,8))	-99.46220651	-104.0816313	-95.05621129	-93.32361546	RIGHT
((4,11), (2,8))	-98.90226141	-107.1131455	-106.5124489	-1003.86	UP
((1,12), (4,8))	-117.9901423	-1001.88	-97.08939863	-111.4365697	LEFT
((0,12), (4,8))	-107.1131455	-106.3545986	-123.0406534	-113.7855235	DOWN
((1,9), (2,8))	-1000	-1000	-1000	-1000	UP
((2,8), (2,9))	-1000	-1000	-1000	-1000	UP
((1,12), (1,1))	-153.1888685	-1017.72	-133.3940208	-135.951331	LEFT
((0,12), (1,1))	-135.8827542	-133.6467489	-151.6644947	-139.0866994	DOWN
((2,6), (3,8))	-1000	-1000	-1000	-1000	UP
((2,8), (3,8))	-91.26878271	-104.8183003	-92.62681725	-998.91	UP
((1,8), (3,8))	-85.719247	-84.74150262	-90.05158818	-999.9	DOWN
((0,8), (3,8))	-94.7039924	-91.41424165	-94.21546705	-1000.89	DOWN
((3,8), (3,10))	-72.52013873	-73.50772999	-70.40261843	-72.23564062	LEFT
((2,8), (3,10))	-75.2896644	-72.86359277	-71.4377329	-996.93	LEFT
((1,8), (3,10))	-76.46508594	-76.92653986	-69.01126244	-997.92	LEFT
((0,8), (3,10))	-76.50938963	-73.43406893	-74.04771317	-998.91	DOWN
((4,8), (3,10))	-72.76148511	-68.07227182	-66.27350928	-996.93	LEFT
((3,7), (3,10))	-65.14836436	-67.38024985	-998.91	-75.99250976	UP
((2,7), (3,10))	-67.8116598	-66.0096847	-999.9	-67.71867633	DOWN
((1,7), (3,10))	-63.8075114	-70.80556372	-1000.89	-70.75866573	UP
((0,7), (3,10))	-74.00295787	-69.97807584	-1001.88	-80.31056638	DOWN
((4,7), (3,10))	-70.74541517	-62.88291655	-60.64178551	-67.81683825	LEFT
((3,6), (3,10))	-1000	-1000	-1000	-1000	UP
((5,11), (3,5))	-107.826355	-104.3084024	-97.74453995	-1008.81	LEFT
((2,12), (3,5))	-1000	-1000	-1000	-1000	UP
((3,10), (3,11))	-70.43932642	-66.45396628	-66.8465419	-993.96	DOWN
((2,10), (3,11))	-67.50194329	-65.41500114	-996.93	-65.56129247	DOWN
((1,10), (3,11))	-67.28792811	-68.08730449	-997.92	-61.72749538	RIGHT
((0,10), (3,11))	-61.2075117	-64.13596313	-998.91	-64.59861152	UP
((4,10), (3,11))	-66.20043422	-70.22509338	-996.93	-61.0646124	RIGHT
((3,9), (3,11))	-996.93	-996.93	-63.35627046	-67.69059535	LEFT
((2,9), (3,11))	-1000	-1000	-1000	-1000	UP
((0,13), (4,8))	-100.9131244	-106.1202614	-116.6855209	-100.9131244	UP
((1,13), (4,8))	-100.0219787	-99.57358146	-100.9265904	-107.1131455	DOWN
((2,13), (4,8))	-107.022601	-101.8032891	-1001.88	-99.46220651	RIGHT
((3,13), (4,8))	-103.8284009	-112.5709113	-1000.89	-113.6447909	UP
((3,11), (3,12))	-1000	-1000	-1000	-1000	UP
((1,9), (4,7))	-1000	-1000	-1000	-1000	UP
((1,9), (4,6))	-1000	-1000	-1000	-1000	UP
((0,9), (4,6))	-1000	-1000	-1000	-1000	UP
((5,10), (2,5))	-131.8104647	-127.8232909	-1007.82	-133.7087764	DOWN
((2,3), (3,7))	-1000	-1000	-1000	-1000	UP
((5,10), (3,7))	-73.34415242	-63.08842157	-1001.88	-62.18587455	RIGHT
((5,6), (2,8))	-86.38361338	-87.45804112	-92.18094639	-91.75446075	UP

((5,5), (2,8))	-82.607068	-81.12875744	-83.94990556	-87.19013194	DOWN
((4,5), (2,8))	-81.70302896	-76.37303768	-84.51457838	-75.98083441	RIGHT
((3,5), (2,8))	-82.78604315	-86.60520578	-87.32109374	-1000.89	UP
((2,5), (2,8))	-81.41606073	-83.93221858	-83.89965445	-999.9	UP
((1,5), (2,8))	-75.40503518	-78.95126003	-71.07193374	-1000.89	LEFT
((0,5), (2,8))	-75.3338462	-77.52305842	-68.07404371	-1001.88	LEFT
((5,4), (2,8))	-80.16828764	-72.79433258	-1005.84	-71.95535157	RIGHT
((4,4), (2,8))	-84.42737289	-72.77592873	-1004.85	-74.36549169	DOWN
((3,4), (2,8))	-80.58277447	-85.587442	-1003.86	-86.54154979	UP
((2,4), (2,8))	-78.58966111	-89.3897097	-1002.87	-80.79632268	UP
((1,4), (2,8))	-67.87260479	-81.40417011	-70.50179208	-74.29382922	UP
((0,4), (2,8))	-67.94137708	-66.91893561	-61.65590598	-67.02565714	LEFT
((5,3), (2,8))	-1000	-1000	-1000	-1000	UP
((3,10), (1,3))	-125.6467252	-120.3686487	-129.9746212	-118.5109962	RIGHT
((2,10), (1,3))	-124.8015035	-115.579963	-1010.79	-110.1248567	RIGHT
((1,10), (1,3))	-126.5392155	-110.7482404	-1009.8	-113.3664884	DOWN
((0,10), (1,3))	-106.7650211	-130.2091754	-1010.79	-107.7395436	UP
((4,10), (1,3))	-130.6041571	-144.6661877	-1012.77	-111.7165907	RIGHT
((3,11), (1,3))	-111.9762447	-125.3397558	-115.8137937	-1014.75	UP
((2,11), (1,3))	-106.7879683	-93.34775204	-106.7568781	-1013.76	DOWN
((1,11), (1,3))	-93.05567397	-109.4360654	-105.7672619	-96.39819683	UP
((0,11), (1,3))	-89.73636666	-112.3069246	-106.7645607	-90.77186618	UP
((4,11), (1,3))	-109.0435104	-145.9392224	-119.4986564	-1015.74	UP
((4,1), (4,8))	-98.75174729	-98.24830567	-99.85847724	-86.55019251	RIGHT
((4,0), (4,8))	-99.75574222	-100.9131236	-94.18558275	-92.59877748	RIGHT
((4,2), (4,8))	-97.00167367	-87.45896207	-86.64422612	-1000.89	LEFT
((5,1), (4,8))	-91.44829665	-94.18558275	-95.24753508	-86.43917972	RIGHT
((5,0), (4,8))	-94.18589206	-100.9131244	-100.9131244	-96.7877518	UP
((5,2), (4,8))	-84.60900007	-87.45804112	-81.25122571	-1001.88	LEFT
((4,10), (1,4))	-114.6672675	-132.179697	-1010.79	-111.822842	RIGHT
((3,11), (1,4))	-102.4003351	-108.1962486	-109.7609966	-1012.77	UP
((2,11), (1,4))	-84.40095903	-106.688054	-99.00023594	-1011.78	UP
((1,11), (1,4))	-101.9113912	-98.24777759	-97.93721885	-83.70470629	RIGHT
((0,11), (1,4))	-101.9120656	-100.8404862	-104.0799233	-86.00792474	RIGHT
((4,11), (1,4))	-120.2980085	-116.4728698	-109.8358432	-1013.76	LEFT
((5,12), (4,4))	-1000	-1000	-1000	-1000	UP
((2,6), (3,7))	-1000	-1000	-1000	-1000	UP
((4,13), (4,8))	-113.6457998	-113.644802	-999.9	-104.1743916	RIGHT
((3,12), (2,5))	-1000	-1000	-1000	-1000	UP
((0,13), (1,1))	-113.1458536	-142.8758658	-135.1756443	-113.1458536	UP
((1,13), (1,1))	-140.2859233	-140.7676936	-141.5316968	-135.8827542	RIGHT
((2,13), (1,1))	-162.1768517	-145.3351372	-1017.72	-140.7357097	RIGHT
((3,13), (1,1))	-136.7233626	-123.8313812	-1018.71	-145.5886652	DOWN
((4,12), (1,1))	-1000	-1000	-1000	-1000	UP
((1,7), (2,7))	-84.19886121	-83.19628591	-1000.89	-84.15259216	DOWN
((0,7), (2,7))	-84.16032859	-91.02226033	-1001.88	-91.74530336	UP
((1,6), (3,7))	-1000	-1000	-1000	-1000	UP

((1,9), (3,7))	-1000	-1000	-1000	-1000	UP
((5,12), (1,5))	-1000	-1000	-1000	-1000	UP
((4,9), (2,7))	-1000	-1000	-1000	-1000	UP
((1,6), (2,8))	-1000	-1000	-1000	-1000	UP
((5,10), (1,3))	-130.6764054	-144.8727812	-1013.76	-126.1597252	RIGHT
((5,9), (2,8))	-1000	-1000	-1000	-1000	UP
((3,9), (1,8))	-1000.89	-1002.87	-68.6632237	-72.02857649	LEFT
((5,13), (4,8))	-112.7683592	-113.6447909	-1000.89	-113.6447909	UP
((1,3), (3,7))	-86.92366868	-1002.87	-84.13766872	-79.98634891	RIGHT
((0,3), (3,7))	-86.92366869	-85.89519744	-81.74529498	-88.37089866	LEFT
((5,10), (2,4))	-108.8214954	-121.6931362	-1009.8	-124.7729595	UP
((4,8), (1,7))	-95.8942388	-81.1718448	-82.46188318	-1004.85	DOWN
((1,7), (1,6))	-1000	-1000	-1000	-1000	UP
((4,3), (2,7))	-1000	-1000	-1000	-1000	UP
((5,9), (2,7))	-1000	-1000	-1000	-1000	UP
((4,12), (3,4))	-1000	-1000	-1000	-1000	UP
((2,6), (3,9))	-1000	-1000	-1000	-1000	UP
((1,6), (1,8))	-1000	-1000	-1000	-1000	UP
((4,3), (2,8))	-1000	-1000	-1000	-1000	UP
((1,8), (1,9))	-1000	-1000	-1000	-1000	UP
((3,12), (2,4))	-1000	-1000	-1000	-1000	UP
((5,8), (3,9))	-78.65640152	-77.086752	-72.02995817	-997.92	LEFT
((5,7), (3,9))	-79.22590148	-76.50938963	-87.04834114	-75.471498	RIGHT
((4,6), (3,9))	-998.91	-86.5201755	-76.806321	-83.47643057	LEFT
((2,9), (3,9))	-1000	-1000	-1000	-1000	UP
((3,10), (2,7))	-87.39174181	-80.32454527	-87.36388205	-80.08455552	RIGHT
((2,10), (2,7))	-80.24151529	-87.46620388	-1000.89	-80.19330459	RIGHT
((1,10), (2,7))	-80.13248033	-89.2078202	-1001.88	-78.34461152	RIGHT
((0,10), (2,7))	-81.12875744	-85.94576202	-1002.87	-85.87595746	UP
((4,10), (2,7))	-76.33627653	-85.90097181	-1002.87	-76.83925343	UP
((3,11), (2,7))	-81.15601441	-73.4541998	-86.39391676	-1004.85	DOWN
((2,11), (2,7))	-82.12845658	-82.94825386	-85.64285896	-1003.86	UP
((1,11), (2,7))	-86.99951638	-86.42685055	-88.21017457	-89.10366021	DOWN
((0,11), (2,7))	-86.92366869	-92.60733228	-81.1109103	-92.72010035	LEFT
((4,11), (2,7))	-68.18631863	-77.648657	-70.8815453	-1005.84	UP
((3,3), (2,7))	-1000	-1000	-1000	-1000	UP
((5,12), (1,1))	-1000	-1000	-1000	-1000	UP
((5,7), (1,7))	-70.92778213	-81.12875744	-86.68528297	-72.79424666	UP
((4,6), (1,7))	-1002.87	-86.92411271	-85.86912398	-80.26390491	RIGHT
((5,13), (2,2))	-147.6995138	-135.8827542	-1016.73	-135.8827542	DOWN
((1,9), (2,7))	-1000	-1000	-1000	-1000	UP
((1,9), (1,7))	-1000	-1000	-1000	-1000	UP
((1,6), (2,7))	-1000	-1000	-1000	-1000	UP
((3,12), (1,3))	-1000	-1000	-1000	-1000	UP
((0,9), (4,7))	-1000	-1000	-1000	-1000	UP
((3,12), (4,7))	-1000	-1000	-1000	-1000	UP
((5,8), (1,8))	-74.02362372	-75.3338462	-68.06578274	-1003.86	LEFT

((5,7), (1,8))	-69.26035837	-67.94137708	-71.12997857	-74.647948	DOWN
((4,6), (1,8))	-1002.87	-65.99222406	-62.79236392	-72.2031704	LEFT
((1,8), (2,8))	-85.65194667	-83.57611223	-80.78178509	-999.9	LEFT
((0,8), (2,8))	-85.65194667	-84.85607673	-83.96238112	-1000.89	LEFT
((2,9), (3,8))	-1000	-1000	-1000	-1000	UP
((2,12), (4,4))	-1000	-1000	-1000	-1000	UP
((5,11), (2,4))	-116.9321137	-106.7650211	-121.6934409	-1012.77	DOWN
((2,12), (2,4))	-1000	-1000	-1000	-1000	UP
((5,11), (4,5))	-109.7207658	-107.640666	-114.7638033	-1006.83	DOWN
((4,9), (3,9))	-1000	-1000	-1000	-1000	UP
((1,6), (3,9))	-1000	-1000	-1000	-1000	UP
((5,11), (2,5))	-133.5543848	-115.8982249	-143.1621235	-1010.79	DOWN
((2,12), (2,5))	-1000	-1000	-1000	-1000	UP
((2,6), (3,10))	-1000	-1000	-1000	-1000	UP
((1,6), (3,8))	-1000	-1000	-1000	-1000	UP
((4,13), (1,5))	-160.8751006	-161.460999	-1011.78	-154.7334574	RIGHT
((3,12), (3,7))	-1000	-1000	-1000	-1000	UP
((3,12), (4,6))	-1000	-1000	-1000	-1000	UP
((1,9), (3,8))	-1000	-1000	-1000	-1000	UP
((5,10), (3,11))	-65.4401046	-66.29279468	-997.92	-64.48765508	RIGHT
((4,9), (3,11))	-1000	-1000	-1000	-1000	UP
((0,6), (3,8))	-1000	-1000	-1000	-1000	UP
((0,9), (3,8))	-1000	-1000	-1000	-1000	UP
((1,12), (4,4))	-127.4799343	-1009.8	-125.7796471	-127.4899757	LEFT
((0,12), (4,4))	-127.4880474	-124.8589945	-126.6547954	-133.2442945	DOWN
((0,6), (3,7))	-1000	-1000	-1000	-1000	UP
((0,9), (4,5))	-1000	-1000	-1000	-1000	UP
((5,10), (1,2))	-123.4638219	-105.3426913	-1015.74	-82.34208036	RIGHT
((5,6), (3,9))	-84.2717513	-84.16032859	-80.72237736	-82.30388416	LEFT
((5,5), (3,9))	-74.91313115	-80.7304995	-81.85122581	-84.16032099	UP
((4,5), (3,9))	-71.58620226	-74.92931425	-72.01450581	-66.54957998	RIGHT
((3,5), (3,9))	-68.52108468	-72.35925147	-68.53312545	-998.91	UP
((2,5), (3,9))	-62.19447198	-72.13052691	-66.45045328	-999.9	UP
((1,5), (3,9))	-67.01560303	-53.17746683	-54.65889437	-1000.89	DOWN
((0,5), (3,9))	-63.08842157	-58.13406734	-59.80827496	-1001.88	DOWN
((5,4), (3,9))	-74.31528169	-75.3338462	-1003.86	-85.10598655	UP
((4,4), (3,9))	-64.87389994	-75.33385569	-1002.87	-72.9145522	UP
((3,4), (3,9))	-61.35455642	-59.12320293	-1001.88	-64.70659814	DOWN
((2,4), (3,9))	-63.43851584	-57.41372674	-1002.87	-55.55183111	RIGHT
((1,4), (3,9))	-67.90548798	-52.52793892	-52.72397687	-58.3120525	DOWN
((0,4), (3,9))	-67.94137708	-59.22625936	-58.64977464	-62.96223199	LEFT
((5,3), (3,9))	-1000	-1000	-1000	-1000	UP
((0,9), (3,7))	-1000	-1000	-1000	-1000	UP
((4,12), (4,7))	-1000	-1000	-1000	-1000	UP
((5,11), (1,3))	-121.602542	-126.1768431	-137.5309994	-1016.73	UP
((2,12), (1,3))	-1000	-1000	-1000	-1000	UP
((4,12), (4,6))	-1000	-1000	-1000	-1000	UP

((1,12), (3,4))	-85.83470884	-1009.8	-71.78473241	-64.89686348	RIGHT
((0,12), (3,4))	-85.8347855	-84.81976007	-78.30035989	-84.19322796	LEFT
((4,12), (3,5))	-1000	-1000	-1000	-1000	UP
((2,3), (3,8))	-1000	-1000	-1000	-1000	UP
((5,10), (2,8))	-101.3549531	-99.46220651	-1001.88	-116.4638582	DOWN
((5,12), (4,6))	-1000	-1000	-1000	-1000	UP
((5,9), (3,9))	-1000	-1000	-1000	-1000	UP
((1,12), (1,4))	-82.96023282	-1011.78	-84.39216248	-64.89708202	RIGHT
((0,12), (1,4))	-85.8347855	-84.22918693	-95.99771344	-88.76051325	DOWN
((2,12), (1,4))	-1000	-1000	-1000	-1000	UP
((1,9), (3,9))	-1000	-1000	-1000	-1000	UP
((1,3), (3,8))	-86.59688087	-1002.87	-79.60540601	-76.58623161	RIGHT
((0,3), (3,8))	-86.92366869	-87.81357303	-87.06657663	-96.86083796	UP
((1,12), (2,5))	-122.5824395	-1007.82	-126.5161426	-120.9974758	RIGHT
((0,12), (2,5))	-134.5508325	-133.5339433	-136.741729	-116.1763308	RIGHT
((1,12), (1,3))	-93.63244764	-1013.76	-92.23115712	-74.23189098	RIGHT
((0,12), (1,3))	-93.63794782	-92.86853166	-107.5280522	-96.54225806	DOWN
((5,13), (1,5))	-168.3036178	-161.460999	-1012.77	-161.460999	DOWN
((3,3), (2,8))	-1000	-1000	-1000	-1000	UP
((5,10), (1,4))	-110.7458423	-111.6179766	-1011.78	-138.1789237	UP
((1,12), (3,5))	-76.29649107	-1007.82	-99.17082959	-74.88581792	RIGHT
((0,12), (3,5))	-78.03162318	-77.20266808	-90.11888173	-76.39960882	RIGHT
((0,6), (1,8))	-1000	-1000	-1000	-1000	UP
((3,12), (2,8))	-1000	-1000	-1000	-1000	UP
((0,2), (3,7))	-77.64728809	-79.53210713	-78.67601193	-83.06128037	UP
((1,2), (3,7))	-78.78190069	-96.75126297	-84.45024028	-82.35577355	UP
((0,1), (3,7))	-66.3268797	-81.60518152	-70.34252718	-82.5091781	UP
((1,1), (3,7))	-81.57449844	-87.74809914	-76.8058111	-83.87930369	LEFT
((0,0), (3,7))	-87.3531991	-72.85445531	-70.22846086	-80.41098278	LEFT
((1,0), (3,7))	-87.34622188	-77.62819254	-82.50024359	-78.43686204	DOWN
((3,12), (1,4))	-1000	-1000	-1000	-1000	UP
((2,11), (3,11))	-63.14136564	-62.26637672	-70.35803669	-995.94	DOWN
((1,11), (3,11))	-66.27090171	-61.17410433	-67.72584185	-68.85975325	DOWN
((0,11), (3,11))	-66.29279468	-63.89695495	-67.6070123	-66.88518021	DOWN
((3,11), (4,11))	-59.47586337	-62.24326325	-59.56294963	-994.95	UP
((2,11), (4,11))	-62.84031185	-58.21504083	-58.20991415	-995.94	LEFT
((1,11), (4,11))	-59.30725945	-61.80730362	-62.58751673	-60.3003077	UP
((0,11), (4,11))	-59.95636267	-58.96779045	-60.23678421	-61.20816515	DOWN
((3,10), (4,11))	-58.02009625	-59.6503037	-55.4849209	-58.83113737	LEFT
((2,10), (4,11))	-57.82353789	-56.41684062	-996.93	-60.34435377	DOWN
((1,10), (4,11))	-58.30361176	-59.02232341	-997.92	-56.35652768	RIGHT
((0,10), (4,11))	-53.820333	-52.86710631	-998.91	-60.27165191	DOWN
((4,10), (4,11))	-59.1016026	-59.70699841	-994.95	-992.97	UP
((3,9), (4,11))	-996.93	-994.95	-50.11401061	-53.68546544	LEFT
((2,9), (4,11))	-1000	-1000	-1000	-1000	UP
((4,9), (1,8))	-1000	-1000	-1000	-1000	UP

((0,6), (2,7))	-1000	-1000	-1000	-1000	UP
((2,2), (3,7))	-84.32118353	-92.02852973	-83.85855212	-1002.87	LEFT
((2,1), (3,7))	-75.94203955	-73.95921081	-73.92007571	-75.81469765	LEFT
((2,0), (3,7))	-82.47101049	-84.86334442	-77.64728809	-83.69962059	LEFT
((3,2), (3,7))	-84.99307277	-83.19792223	-84.90889767	-1001.88	DOWN
((3,1), (3,7))	-76.62807628	-72.63232742	-72.56957279	-80.45568988	LEFT
((3,0), (3,7))	-86.86067445	-77.6305099	-72.79433258	-80.41103661	LEFT
((0,7), (1,7))	-74.00295787	-86.59737231	-1001.88	-77.78476099	UP
((0,9), (2,7))	-1000	-1000	-1000	-1000	UP
((3,12), (1,2))	-1000	-1000	-1000	-1000	UP
((2,12), (4,6))	-1000	-1000	-1000	-1000	UP
((4,1), (3,7))	-79.89905506	-89.52465158	-87.79396728	-70.77926929	RIGHT
((4,0), (3,7))	-76.70534263	-78.69136048	-77.64728809	-75.05581921	RIGHT
((4,2), (3,7))	-92.4993533	-85.92573417	-76.83431914	-1002.87	LEFT
((5,11), (2,8))	-107.1841966	-107.1131455	-105.846277	-1004.85	LEFT
((2,12), (2,8))	-1000	-1000	-1000	-1000	UP
((3,9), (1,7))	-1002.87	-1004.85	-94.0997567	-81.80860298	RIGHT
((1,12), (4,6))	-85.70663352	-1005.84	-87.87916406	-87.5016355	UP
((0,12), (4,6))	-70.22846086	-100.3378049	-80.4285332	-88.76797725	UP
((5,8), (1,7))	-93.13900545	-72.79433258	-73.99307183	-1005.84	DOWN
((4,9), (1,7))	-1000	-1000	-1000	-1000	UP
((4,11), (3,11))	-56.63092162	-59.28040768	-65.72583867	-995.94	UP
((3,11), (2,11))	-51.14234507	-51.88241597	-53.12783039	-996.93	UP
((2,11), (1,11))	-47.09279137	-44.77832476	-44.58822734	-997.92	LEFT
((3,11), (1,11))	-41.69612879	-40.00522932	-39.36170919	-998.91	LEFT
((2,10), (1,11))	-36.95780539	-39.347731	-998.91	-41.80142482	UP
((1,10), (1,11))	-30.38749597	-36.79577008	-997.92	-30.26040949	RIGHT
((0,10), (1,11))	-23.52555224	-36.04966586	-998.91	-22.66295777	RIGHT
((3,10), (1,11))	-33.15745196	-41.88905052	-32.4969197	-37.25048284	LEFT
((2,9), (1,11))	-1000	-1000	-1000	-1000	UP
((0,6), (2,8))	-1000	-1000	-1000	-1000	UP
((5,10), (2,7))	-85.1373088	-86.92366869	-1003.86	-76.59940251	RIGHT
((4,3), (3,9))	-1000	-1000	-1000	-1000	UP
((5,12), (3,4))	-1000	-1000	-1000	-1000	UP
((3,8), (3,11))	-60.48925546	-68.39403364	-66.74391794	-67.05249037	UP
((2,8), (3,11))	-59.14419279	-61.0741324	-59.67837976	-996.93	UP
((1,8), (3,11))	-62.48486586	-65.10818407	-56.86350326	-997.92	LEFT
((0,8), (3,11))	-57.94911246	-64.93413922	-53.38251066	-998.91	LEFT
((4,8), (3,11))	-63.54190336	-64.81818061	-66.29309023	-996.93	UP
((3,7), (3,11))	-65.14836436	-59.6404353	-998.91	-64.50241486	DOWN
((2,7), (3,11))	-67.8116598	-66.58753888	-999.9	-63.18839823	RIGHT
((1,7), (3,11))	-59.73127988	-70.80556372	-1000.89	-60.72487021	UP

((0,7), (3,11))	-53.38251056	-56.16305434	-1001.88	-57.94891164	UP
((4,7), (3,11))	-59.96091504	-62.88291655	-60.64178551	-70.32873534	UP
((3,6), (3,11))	-1000	-1000	-1000	-1000	UP
((2,6), (3,11))	-1000	-1000	-1000	-1000	UP
((2,12), (3,11))	-1000	-1000	-1000	-1000	UP
((5,8), (3,10))	-68.43385062	-60.54787462	-60.85525064	-997.92	DOWN
((5,7), (3,10))	-57.57309566	-57.94911246	-62.70475156	-64.83282644	UP
((4,6), (3,10))	-998.91	-62.62044192	-55.48251215	-65.14811158	LEFT
((3,3), (3,9))	-1000	-1000	-1000	-1000	UP
((0,6), (3,9))	-1000	-1000	-1000	-1000	UP
((0,9), (1,7))	-1000	-1000	-1000	-1000	UP
((3,10), (1,8))	-63.92991818	-71.83621141	-65.88973162	-69.8891	UP
((2,10), (1,8))	-56.29653133	-61.04398695	-1000.89	-61.40880321	UP
((1,10), (1,8))	-56.43285903	-62.12449918	-999.9	-62.03164404	UP
((0,10), (1,8))	-58.23546607	-57.2838775	-1000.89	-59.2090754	DOWN
((4,10), (1,8))	-72.65228559	-61.55167434	-1002.87	-63.27742704	DOWN
((3,11), (1,8))	-65.4066356	-74.63570824	-67.09778652	-1004.85	UP
((2,11), (1,8))	-58.27677221	-54.42899975	-58.22635283	-1003.86	DOWN
((1,11), (1,8))	-53.84959693	-60.99881356	-57.23677475	-53.01964519	RIGHT
((0,11), (1,8))	-50.72055507	-63.86605037	-58.23499617	-51.75319172	UP
((4,11), (1,8))	-76.46282622	-62.54712804	-70.8815453	-1005.84	DOWN
((4,12), (2,5))	-1000	-1000	-1000	-1000	UP
((1,9), (1,8))	-1000	-1000	-1000	-1000	UP
((2,3), (2,7))	-1000	-1000	-1000	-1000	UP
((5,6), (1,8))	-70.0175092	-58.52371739	-62.42676677	-74.84226031	DOWN
((5,5), (1,8))	-52.80271928	-62.42529854	-66.32843153	-60.44122261	UP
((4,5), (1,8))	-50.80217319	-65.47242701	-62.47063215	-54.56581038	UP
((3,5), (1,8))	-49.86700175	-42.99018526	-41.22008379	-1002.87	LEFT
((2,5), (1,8))	-51.74765355	-38.3811594	-40.18253422	-1001.88	DOWN
((1,5), (1,8))	-48.70540549	-50.68085619	-54.60313694	-1000.89	UP
((0,5), (1,8))	-50.72055507	-52.54392507	-54.62214898	-1001.88	UP
((5,4), (1,8))	-68.18158027	-66.3268797	-1007.82	-56.80969797	RIGHT
((4,4), (1,8))	-58.65803234	-65.29746795	-1006.83	-60.31262535	UP
((3,4), (1,8))	-52.73987262	-61.29816786	-1005.84	-52.9270761	UP
((2,4), (1,8))	-49.86592229	-54.65088468	-1004.85	-50.7980925	UP
((1,4), (1,8))	-51.05186778	-50.76598685	-57.58995158	-52.69969135	DOWN
((0,4), (1,8))	-54.62213623	-62.92125222	-56.63231868	-50.71928081	RIGHT
((5,3), (1,8))	-1000	-1000	-1000	-1000	UP
((0,13), (1,3))	-73.51735075	-95.82895281	-94.57072931	-73.51735075	UP
((1,13), (1,3))	-73.75017473	-73.75272422	-85.48775923	-93.63794782	UP
((2,13), (1,3))	-93.417182	-52.71495128	-1013.76	-73.51735075	DOWN
((3,13), (1,3))	-50.48009975	-26.99999973	-1014.75	-51.225174	DOWN

((1,12), (2,8))	-107.0038301	-1001.88	-105.1952497	-102.8398518	RIGHT
((0,12), (2,8))	-94.18558275	-105.1350316	-97.38755897	-94.07353876	RIGHT
((0,6), (1,7))	-1000	-1000	-1000	-1000	UP
((0,8), (1,8))	-76.50938963	-84.6266513	-92.33225305	-1000.89	UP
((0,9), (2,8))	-1000	-1000	-1000	-1000	UP
((3,12), (4,5))	-1000	-1000	-1000	-1000	UP
((5,12), (3,5))	-1000	-1000	-1000	-1000	UP
((1,6), (3,10))	-1000	-1000	-1000	-1000	UP
((5,6), (3,10))	-60.77381103	-53.38251056	-54.51101094	-61.4658846	DOWN
((5,5), (3,10))	-53.54845703	-46.81897391	-49.94740144	-45.77922181	RIGHT
((4,5), (3,10))	-45.135651	-46.78992884	-46.86500095	-52.65660424	UP
((3,5), (3,10))	-45.14238091	-44.95166014	-42.99514357	-998.91	LEFT
((2,5), (3,10))	-44.8205531	-45.09132885	-46.82769754	-999.9	UP
((1,5), (3,10))	-48.70540549	-53.1390594	-54.60168316	-1000.89	UP
((0,5), (3,10))	-38.22902239	-52.54525645	-41.17099167	-1001.88	UP
((5,4), (3,10))	-44.930622	-38.22902239	-1003.86	-44.90787848	DOWN
((4,4), (3,10))	-55.27082165	-47.7229872	-1002.87	-51.27962917	DOWN
((3,4), (3,10))	-58.24136377	-46.99031804	-1001.88	-50.34152952	DOWN
((2,4), (3,10))	-49.94198834	-47.0075892	-1002.87	-48.64489846	DOWN
((1,4), (3,10))	-43.22559952	-58.05395454	-42.56321756	-51.7379514	LEFT
((0,4), (3,10))	-41.16971642	-37.486961	-43.13178173	-38.10159652	DOWN
((5,3), (3,10))	-1000	-1000	-1000	-1000	UP
((5,11), (3,11))	-59.24427164	-62.19985372	-66.27121448	-996.93	UP
((4,12), (3,11))	-1000	-1000	-1000	-1000	UP
((3,12), (4,11))	-1000	-1000	-1000	-1000	UP
((0,13), (4,4))	-133.2829587	-136.4856743	-145.4385039	-133.2829587	UP
((1,13), (4,4))	-149.8861315	-130.9466784	-125.6662306	-127.4880474	LEFT
((2,13), (4,4))	-145.6635676	-140.3689141	-1009.8	-141.2783741	DOWN
((3,13), (4,4))	-141.2802653	-133.5558414	-1008.81	-134.5508325	DOWN
((5,12), (4,7))	-1000	-1000	-1000	-1000	UP
((1,12), (2,4))	-104.8289474	-1009.8	-122.8418212	-105.7950521	UP
((0,12), (2,4))	-127.4880474	-108.7580491	-115.060452	-111.7965979	DOWN
((5,11), (3,7))	-82.88879444	-67.94137708	-68.53393838	-1004.85	DOWN
((2,12), (3,7))	-1000	-1000	-1000	-1000	UP
((4,11), (2,11))	-54.6043938	-53.01069066	-52.83176039	-997.92	LEFT
((3,10), (2,11))	-51.53725766	-50.07886606	-51.25671718	-49.45716913	RIGHT
((2,10), (2,11))	-53.45870317	-50.54600862	-996.93	-994.95	DOWN
((1,10), (2,11))	-49.07364881	-51.67672597	-997.92	-47.15847153	RIGHT
((0,10), (2,11))	-46.35928997	-51.49273496	-998.91	-45.42394415	RIGHT
((4,10), (2,11))	-45.53275749	-51.09818166	-998.91	-56.38545966	UP
((3,9), (2,11))	-996.93	-998.91	-47.61440164	-45.43598849	RIGHT
((2,9), (2,11))	-1000	-1000	-1000	-1000	UP

((2,12), (4,7))	-1000	-1000	-1000	-1000	UP
((1,9), (3,11))	-1000	-1000	-1000	-1000	UP
((5,9), (3,11))	-1000	-1000	-1000	-1000	UP
((4,12), (4,5))	-1000	-1000	-1000	-1000	UP
((1,12), (3,11))	-64.31246297	-995.94	-64.79885772	-73.21462408	UP
((0,12), (3,11))	-61.2075117	-63.0340535	-69.37185433	-68.84835096	UP
((4,13), (4,4))	-134.7307004	-134.5508509	-1007.82	-145.3678403	DOWN
((5,12), (3,11))	-1000	-1000	-1000	-1000	UP
((4,12), (3,7))	-1000	-1000	-1000	-1000	UP
((3,12), (2,11))	-1000	-1000	-1000	-1000	UP
((5,11), (1,4))	-121.0869336	-116.4709321	-121.3191	-1014.75	DOWN
((2,12), (4,11))	-1000	-1000	-1000	-1000	UP
((5,10), (4,11))	-62.18310312	-56.27006264	-995.94	-55.48762591	RIGHT
((4,9), (4,11))	-1000	-1000	-1000	-1000	UP
((0,9), (1,8))	-1000	-1000	-1000	-1000	UP
((5,13), (4,4))	-145.3683198	-134.5508325	-1008.81	-134.5508325	DOWN
((2,3), (2,8))	-1000	-1000	-1000	-1000	UP
((0,9), (3,9))	-1000	-1000	-1000	-1000	UP
((2,12), (1,11))	-1000	-1000	-1000	-1000	UP
((1,12), (4,7))	-107.6876973	-1003.86	-104.8337775	-105.3019863	LEFT
((0,12), (4,7))	-107.640666	-118.4335639	-95.1614765	-98.51293398	LEFT
((5,12), (4,5))	-1000	-1000	-1000	-1000	UP
((5,2), (3,7))	-80.15295847	-72.79433258	-77.62650569	-1003.86	DOWN
((5,1), (3,7))	-74.56916209	-77.64728809	-82.50157254	-82.30488729	UP
((5,0), (3,7))	-81.95414169	-82.50024359	-82.50024359	-81.60170195	RIGHT
((4,12), (1,3))	-1000	-1000	-1000	-1000	UP
((2,12), (4,5))	-1000	-1000	-1000	-1000	UP
((5,8), (3,11))	-65.84544982	-60.54787462	-61.5705733	-997.92	DOWN
((5,7), (3,11))	-57.59668331	-57.94911246	-62.70475156	-60.54751384	UP
((4,6), (3,11))	-998.91	-62.62044192	-55.38202514	-65.60286932	LEFT
((4,13), (2,1))	-157.4583207	-145.5886652	-1017.72	-140.7357097	RIGHT
((0,2), (3,8))	-77.64728809	-84.12276147	-78.63592996	-81.95381031	UP
((1,2), (3,8))	-85.89696263	-89.54325179	-84.04911235	-71.80498848	RIGHT
((0,1), (3,8))	-66.3268797	-69.86398241	-70.34252718	-84.18401632	UP
((1,1), (3,8))	-80.52168472	-81.96544711	-82.50024262	-69.43445629	RIGHT
((0,0), (3,8))	-70.22846086	-73.10526531	-70.22846086	-66.34916875	RIGHT
((1,0), (3,8))	-69.53073929	-76.59336654	-66.3268797	-78.43686204	LEFT
((0,9), (3,11))	-1000	-1000	-1000	-1000	UP
((2,6), (2,7))	-1000	-1000	-1000	-1000	UP
((0,13), (4,7))	-98.51349118	-107.5923789	-92.68275711	-98.51349118	LEFT
((1,13), (4,7))	-98.59058808	-113.7525765	-111.2338838	-107.640666	UP
((2,13), (4,7))	-105.0245161	-100.5774891	-1003.86	-100.9131244	DOWN

((3,13), (4,7))	-100.9140538	-111.286714	-1002.87	-94.18558275	RIGHT
((4,13), (4,7))	-107.2345309	-107.2324352	-1001.88	-111.3475307	DOWN
((5,11), (2,11))	-53.76759177	-46.35928997	-52.15420031	-998.91	DOWN
((5,10), (2,11))	-49.31873438	-52.15420121	-999.9	-46.39743984	RIGHT
((4,9), (2,11))	-1000	-1000	-1000	-1000	UP
((5,9), (3,10))	-1000	-1000	-1000	-1000	UP
((4,12), (2,8))	-1000	-1000	-1000	-1000	UP
((0,13), (3,5))	-61.75457463	-74.68894669	-78.31601371	-61.75457463	UP
((1,13), (3,5))	-59.80219446	-73.30928937	-75.6867725	-58.8138806	RIGHT
((2,13), (3,5))	-56.86160094	-55.06111247	-1007.82	-55.87318657	DOWN
((3,13), (3,5))	-55.86524758	-38.78439661	-1006.83	-52.93249254	DOWN
((1,3), (2,7))	-76.73290031	-1002.87	-72.55009721	-72.30965308	RIGHT
((0,3), (2,7))	-72.79433258	-71.75124648	-77.64845865	-63.97049199	RIGHT
((4,13), (3,5))	-36.62008138	-19.99998	-1007.82	-37.433781	DOWN
((2,2), (3,8))	-82.24922579	-79.86909572	-85.26134415	-1002.87	DOWN
((2,1), (3,8))	-81.4999583	-85.81511407	-77.62874704	-89.95939004	LEFT
((2,0), (3,8))	-72.85453665	-74.94726854	-77.64728809	-79.48228168	UP
((3,2), (3,8))	-82.24836979	-67.9487727	-69.93899595	-1001.88	DOWN
((3,1), (3,8))	-82.32378796	-74.06439524	-84.03177233	-79.88902547	DOWN
((3,0), (3,8))	-77.62922585	-77.62938669	-72.79433258	-73.92513386	LEFT
((1,3), (2,8))	-58.51382034	-1002.87	-58.48996096	-72.30965308	LEFT
((0,3), (2,8))	-58.52371739	-56.54419764	-58.73589946	-63.97049199	DOWN
((1,12), (3,7))	-92.71857993	-1003.86	-79.95241401	-77.77575649	RIGHT
((0,12), (3,7))	-92.71857994	-89.3906937	-86.90391894	-97.52812972	LEFT
((3,12), (2,7))	-1000	-1000	-1000	-1000	UP
((3,10), (1,7))	-79.22851201	-81.54269888	-91.34760355	-70.09754947	RIGHT
((2,10), (1,7))	-67.05688393	-70.73088008	-1002.87	-70.83836884	UP
((1,10), (1,7))	-68.05672618	-71.84924742	-1001.88	-67.92187138	RIGHT
((0,10), (1,7))	-67.94137708	-66.98997877	-1002.87	-68.96457848	DOWN
((4,10), (1,7))	-82.10345226	-69.37424848	-1004.85	-72.96525976	DOWN
((3,11), (1,7))	-71.11414054	-64.35313105	-76.84098796	-1006.83	DOWN
((2,11), (1,7))	-58.77243986	-62.21275021	-73.65431741	-1005.84	UP
((1,11), (1,7))	-72.79404342	-70.68626393	-78.25653731	-60.34917243	RIGHT
((0,11), (1,7))	-72.79433258	-71.73659485	-74.8516437	-62.55035677	RIGHT
((4,11), (1,7))	-70.14679231	-70.36912188	-80.60496752	-1007.82	UP
((1,12), (4,5))	-78.03154459	-1007.82	-74.45397234	-73.70949335	RIGHT
((0,12), (4,5))	-78.03162318	-74.46119393	-82.16812841	-61.75459542	RIGHT
((5,13), (3,5))	-18.81	-19.8	-1008.81	0	RIGHT
((5,6), (1,7))	-82.26053177	-86.92366869	-91.64534394	-80.99383594	RIGHT
((5,5), (1,7))	-91.71772282	-92.71857994	-96.89789822	-85.83301603	RIGHT
((4,5), (1,7))	-81.79270905	-92.71857703	-92.60918327	-85.96681013	UP
((3,5), (1,7))	-72.49355184	-78.39718207	-84.24199777	-1002.87	UP

((2,5), (1,7))	-74.29454794	-73.79665134	-67.88356281	-1001.88	LEFT
((1,5), (1,7))	-67.02624592	-65.03598975	-63.99405865	-1000.89	LEFT
((0,5), (1,7))	-63.08842157	-62.20282752	-57.78274387	-1001.88	LEFT
((5,4), (1,7))	-91.8868792	-82.50024359	-1007.82	-89.8527507	DOWN
((4,4), (1,7))	-87.61193115	-96.24152938	-1006.83	-94.47958017	UP
((3,4), (1,7))	-76.58404965	-95.72228483	-1005.84	-81.97484332	UP
((2,4), (1,7))	-67.0216261	-80.10261281	-1004.85	-64.08625511	RIGHT
((1,4), (1,7))	-57.7417404	-70.10171086	-58.61154862	-64.94329467	UP
((0,4), (1,7))	-54.62213623	-50.66048969	-61.54985012	-50.71928081	DOWN
((5,3), (1,7))	-1000	-1000	-1000	-1000	UP
((5,11), (1,2))	-80.61227289	-82.33943284	-101.4899274	-1018.71	UP
((2,12), (1,2))	-1000	-1000	-1000	-1000	UP
((4,11), (1,11))	-40.853402	-39.09075151	-39.11335393	-999.9	DOWN
((4,10), (1,11))	-39.15050587	-40.03424834	-1000.89	-45.35118291	UP
((3,9), (1,11))	-998.91	-1000.89	-22.76101388	-35.06329773	LEFT
((5,12), (2,8))	-1000	-1000	-1000	-1000	UP
((5,9), (1,8))	-1000	-1000	-1000	-1000	UP
((0,13), (2,8))	-100.9131244	-99.92096217	-91.33458747	-100.9131244	LEFT
((1,13), (2,8))	-100.9126515	-106.05102	-106.1285465	-94.18558275	RIGHT
((2,13), (2,8))	-94.29187154	-104.7959644	-1001.88	-99.46220651	UP
((3,13), (2,8))	-99.46269458	-114.3249942	-1002.87	-94.18558275	RIGHT
((1,12), (1,2))	-75.94626057	-1015.74	-100.1122293	-76.69829767	UP
((0,12), (1,2))	-51.225174	-72.55195225	-73.53190523	-77.44084055	UP
((5,13), (2,1))	-159.3327935	-145.5886652	-1018.71	-145.5886652	DOWN
((5,12), (1,3))	-1000	-1000	-1000	-1000	UP
((4,3), (1,8))	-1000	-1000	-1000	-1000	UP
((0,13), (4,6))	-74.13004202	-73.24496162	-86.679686	-74.13004202	DOWN
((1,13), (4,6))	-91.33870379	-82.33826901	-82.79774257	-87.3531991	DOWN
((2,13), (4,6))	-70.37375259	-76.50650795	-1005.84	-82.50024359	UP
((3,13), (4,6))	-66.45427251	-72.82334902	-1004.85	-77.64728809	UP
((0,13), (3,11))	-68.85845066	-68.51183215	-67.2625435	-68.85845066	LEFT
((1,13), (3,11))	-68.55179744	-67.58939347	-68.66648915	-68.52155734	DOWN
((2,13), (3,11))	-67.87594892	-64.41446878	-995.94	-66.29279468	DOWN
((3,13), (3,11))	-66.28821298	-60.01161542	-994.95	-62.19985372	DOWN
((4,11), (4,12))	-1000	-1000	-1000	-1000	UP
((1,9), (3,10))	-1000	-1000	-1000	-1000	UP
((4,3), (3,10))	-1000	-1000	-1000	-1000	UP
((4,1), (3,8))	-71.81452092	-62.53905902	-60.34815198	-70.7220831	LEFT
((4,0), (3,8))	-72.77643697	-78.62436807	-77.64728809	-73.89694875	UP
((4,2), (3,8))	-69.78836673	-58.628355	-57.4077471	-1002.87	LEFT
((4,13), (2,8))	-100.5578826	-107.640666	-1003.86	-100.9131244	UP
((1,9), (4,11))	-1000	-1000	-1000	-1000	UP

((3,3), (3,10))	-1000	-1000	-1000	-1000	UP
((3,3), (1,8))	-1000	-1000	-1000	-1000	UP
((0,6), (3,10))	-1000	-1000	-1000	-1000	UP
((4,13), (3,11))	-64.8757619	-68.52156458	-995.94	-66.29279468	UP
((3,12), (3,11))	-1000	-1000	-1000	-1000	UP
((5,12), (3,7))	-1000	-1000	-1000	-1000	UP
((4,3), (1,7))	-1000	-1000	-1000	-1000	UP
((5,11), (2,7))	-74.83353035	-77.64728809	-86.92396762	-1006.83	UP
((2,12), (2,7))	-1000	-1000	-1000	-1000	UP
((0,13), (4,5))	-61.75457463	-56.09709773	-76.26578945	-61.75457463	DOWN
((1,13), (4,5))	-58.84924574	-91.15748105	-75.85987193	-58.8138806	RIGHT
((2,13), (4,5))	-73.5734371	-86.40350903	-1007.82	-74.13004202	UP
((3,13), (4,5))	-74.13169171	-82.52926011	-1006.83	-70.22846086	RIGHT
((1,6), (3,11))	-1000	-1000	-1000	-1000	UP
((5,6), (3,11))	-60.77381103	-63.74402371	-58.31238644	-61.4658846	LEFT
((5,5), (3,11))	-62.90731505	-58.23546607	-57.40597664	-63.66799082	LEFT
((4,5), (3,11))	-56.33042734	-64.83074202	-62.15291638	-52.65660424	RIGHT
((3,5), (3,11))	-55.55238754	-57.19832586	-63.24957032	-998.91	UP
((2,5), (3,11))	-46.91384634	-64.6129063	-46.84803162	-999.9	LEFT
((1,5), (3,11))	-50.66519408	-53.17746683	-50.77851296	-1000.89	UP
((0,5), (3,11))	-50.72055507	-50.70141883	-54.52856266	-1001.88	DOWN
((5,4), (3,11))	-60.13892061	-63.08842157	-1003.86	-68.66842329	UP
((4,4), (3,11))	-60.71512996	-63.08937097	-1002.87	-51.27962917	RIGHT
((3,4), (3,11))	-58.38082372	-59.12320293	-1001.88	-54.46051285	RIGHT
((2,4), (3,11))	-47.06693942	-57.41372674	-1002.87	-47.7140352	UP
((1,4), (3,11))	-41.27666901	-58.14230374	-42.16236085	-48.85307296	UP
((0,4), (3,11))	-41.16971642	-41.12342431	-43.24570744	-50.72045804	DOWN
((5,3), (3,11))	-1000	-1000	-1000	-1000	UP
((1,12), (4,11))	-65.01803785	-995.94	-64.51315138	-61.26505342	RIGHT
((0,12), (4,11))	-61.2075117	-67.45219347	-59.93922975	-59.35110361	RIGHT
((5,13), (2,8))	-107.2448896	-107.640666	-1004.85	-107.640666	UP
((0,13), (3,4))	-89.73636666	-88.88971794	-86.38115821	-89.73636666	LEFT
((1,13), (3,4))	-89.73840354	-100.741511	-83.45149926	-85.8347855	LEFT
((2,13), (3,4))	-86.01339438	-101.1021769	-1009.8	-101.9120656	UP
((3,13), (3,4))	-101.9140037	-84.81553908	-1008.81	-97.05911011	DOWN
((0,13), (1,4))	-89.73636666	-88.02262204	-88.88571664	-89.73636666	DOWN
((1,13), (1,4))	-89.72656686	-67.85172854	-77.72322848	-85.8347855	DOWN
((2,13), (1,4))	-85.63323359	-48.73292151	-1011.78	-67.63596269	DOWN
((3,13), (1,4))	-46.52007648	-49.25747475	-1012.77	-47.284776	UP
((2,3), (3,9))	-1000	-1000	-1000	-1000	UP
((5,9), (1,7))	-1000	-1000	-1000	-1000	UP
((5,13), (4,7))	-118.0734826	-107.1131455	-1002.87	-107.1131455	DOWN

((1,12), (2,7))	-97.5761094	-1003.86	-93.38904719	-92.7100444	RIGHT
((0,12), (2,7))	-92.71857994	-90.99483675	-91.8500437	-98.51471216	DOWN
((4,12), (1,4))	-1000	-1000	-1000	-1000	UP
((0,9), (4,11))	-1000	-1000	-1000	-1000	UP
((4,12), (2,11))	-1000	-1000	-1000	-1000	UP
((0,9), (3,10))	-1000	-1000	-1000	-1000	UP
((3,3), (1,7))	-1000	-1000	-1000	-1000	UP
((0,13), (1,2))	-53.195373	-78.40138581	-73.33591369	-53.195373	UP
((1,13), (1,2))	-78.41876355	-54.70203645	-93.25228999	-76.45804478	DOWN
((2,13), (1,2))	-52.46007354	-55.16837172	-1015.74	-53.195373	UP
((3,13), (1,2))	-54.44007256	-28.9971	-1016.73	-55.165572	DOWN
((3,8), (4,11))	-54.04474744	-46.45446452	-51.32493732	-46.95437628	DOWN
((2,8), (4,11))	-47.52148826	-51.31548039	-57.60975705	-996.93	UP
((1,8), (4,11))	-48.52955506	-52.77816483	-52.39144153	-997.92	UP
((0,8), (4,11))	-48.52955506	-51.42185393	-52.39257338	-998.91	UP
((4,8), (4,11))	-41.47826141	-45.44310634	-48.13930686	-994.95	UP
((3,7), (4,11))	-59.37437501	-51.98265884	-998.91	-51.85232718	RIGHT
((2,7), (4,11))	-53.12357058	-51.13316281	-999.9	-54.09606062	DOWN
((1,7), (4,11))	-53.20606496	-48.0431131	-1000.89	-51.24870925	DOWN
((0,7), (4,11))	-42.91739275	-47.57849992	-1001.88	-55.91492508	UP
((4,7), (4,11))	-56.57350516	-47.33484619	-48.51811985	-46.1138262	RIGHT
((3,6), (4,11))	-1000	-1000	-1000	-1000	UP
((4,13), (1,1))	-141.501625	-124.8505974	-1019.7	-120.9490159	RIGHT
((2,3), (1,7))	-1000	-1000	-1000	-1000	UP
((4,12), (1,2))	-1000	-1000	-1000	-1000	UP
((4,13), (4,6))	-77.64730294	-76.93213108	-1003.86	-72.79433258	RIGHT
((2,11), (2,12))	-1000	-1000	-1000	-1000	UP
((5,8), (4,11))	-45.30033859	-40.56437872	-46.35986156	-995.94	DOWN
((5,7), (4,11))	-49.95391528	-46.35928997	-43.43917672	-45.18107895	LEFT
((4,6), (4,11))	-998.91	-43.70428754	-41.20327553	-44.3843844	LEFT
((5,9), (2,11))	-1000	-1000	-1000	-1000	UP
((1,9), (2,11))	-1000	-1000	-1000	-1000	UP
((5,9), (4,11))	-1000	-1000	-1000	-1000	UP
((4,12), (2,7))	-1000	-1000	-1000	-1000	UP
((5,13), (4,6))	-76.65144726	-62.42529854	-1004.85	-62.42529854	DOWN
((5,12), (2,7))	-1000	-1000	-1000	-1000	UP
((5,11), (4,11))	-60.96857922	-55.45504194	-55.30422774	-994.95	LEFT
((4,13), (1,3))	-52.20005373	-27.9972	-1015.74	-53.195373	DOWN
((4,13), (3,4))	-97.05944058	-85.83478572	-1009.8	-81.93320434	RIGHT
((5,12), (4,11))	-1000	-1000	-1000	-1000	UP
((0,13), (3,7))	-82.50024359	-86.90663493	-96.72047918	-82.50024359	UP
((1,13), (3,7))	-82.50025814	-86.11466807	-91.58244848	-77.64728809	RIGHT

((2,13), (3,7))	-91.80250069	-74.76332801	-1003.86	-72.79433258	RIGHT
((3,13), (3,7))	-72.79568842	-72.82315575	-1002.87	-81.12875744	UP
((5,13), (3,11))	-68.51435589	-68.52155734	-996.93	-68.52155734	UP
((5,2), (3,8))	-67.74874113	-72.79433258	-60.76027101	-1003.86	LEFT
((5,1), (3,8))	-70.73187076	-77.64728809	-66.48448527	-72.64872922	LEFT
((5,0), (3,8))	-72.07053675	-66.3268797	-66.3268797	-77.51583326	DOWN
((0,13), (4,11))	-60.54787462	-60.1999386	-66.32615277	-60.54787462	DOWN
((1,13), (4,11))	-60.62956172	-65.93514031	-65.84708904	-61.2075117	UP
((2,13), (4,11))	-67.63862136	-60.74025142	-995.94	-59.95636267	RIGHT
((3,13), (4,11))	-64.16006411	-61.24793183	-994.95	-62.19985372	DOWN
((4,13), (4,11))	-62.24855837	-62.20029501	-993.96	-65.01242543	DOWN
((0,2), (2,7))	-77.64728809	-72.77937619	-65.5858248	-70.70860192	LEFT
((1,2), (2,7))	-59.39892334	-58.64768448	-58.68535213	-58.58953572	RIGHT
((0,1), (2,7))	-49.99179851	-62.70332662	-52.93415987	-73.88272636	UP
((1,1), (2,7))	-52.0765024	-61.43792536	-49.1559975	-54.5421499	LEFT
((0,0), (2,7))	-52.93249254	-47.10011343	-52.93249254	-60.58007878	DOWN
((1,0), (2,7))	-34.493283	-48.04228075	-33.493383	-48.04080946	LEFT
((5,13), (3,4))	-98.12043891	-85.8347855	-1010.79	-85.8347855	DOWN
((4,12), (2,4))	-1000	-1000	-1000	-1000	UP
((4,13), (3,7))	-81.12876063	-77.64728809	-1003.86	-72.79433258	RIGHT
((2,3), (3,10))	-1000	-1000	-1000	-1000	UP
((3,12), (1,11))	-1000	-1000	-1000	-1000	UP
((0,2), (2,8))	-47.05110448	-58.75139081	-49.99336782	-43.9633806	RIGHT
((1,2), (2,8))	-49.12620144	-44.52650023	-48.02140348	-58.6073487	DOWN
((0,1), (2,8))	-49.99179851	-49.10845887	-52.93415987	-46.0488647	RIGHT
((1,1), (2,8))	-52.0765024	-43.12070547	-49.01179652	-54.5421499	DOWN
((0,0), (2,8))	-52.93249254	-47.10011343	-52.93249254	-60.58007878	DOWN
((1,0), (2,8))	-34.493283	-32.64061185	-33.493383	-58.29427559	DOWN
((5,13), (4,11))	-65.0119848	-62.19985372	-994.95	-62.19985372	DOWN
((4,12), (4,11))	-1000	-1000	-1000	-1000	UP
((5,12), (2,11))	-1000	-1000	-1000	-1000	UP
((5,13), (3,7))	-82.12967197	-77.64728809	-1004.85	-77.64728809	DOWN
((4,3), (3,11))	-1000	-1000	-1000	-1000	UP
((2,2), (2,7))	-61.40627875	-60.78680045	-58.48558076	-1002.87	LEFT
((2,1), (2,7))	-62.35515599	-50.2520856	-62.44769934	-60.36871393	DOWN
((2,0), (2,7))	-49.00209353	-51.13678465	-62.42529854	-62.38869694	UP
((3,2), (2,7))	-60.66980174	-62.69800559	-61.43855426	-1003.86	UP
((3,1), (2,7))	-63.62080014	-64.26425301	-62.1558075	-47.14943185	RIGHT
((3,0), (2,7))	-60.64309722	-52.92445688	-49.99179851	-45.91427065	RIGHT
((5,12), (2,5))	-1000	-1000	-1000	-1000	UP
((4,2), (2,7))	-56.50261312	-64.08807987	-49.16376184	-1004.85	LEFT
((4,1), (2,7))	-48.17501733	-52.92278955	-66.3600388	-49.3011305	UP

((4,0), (2,7))	-49.82516468	-70.10454605	-52.93249254	-62.32221428	UP
((2,2), (2,8))	-43.43107432	-47.00522907	-45.10011543	-1002.87	UP
((2,1), (2,8))	-32.493483	-46.0628855	-31.523184	-44.0614015	LEFT
((2,0), (2,8))	-32.523084	-32.523084	-31.523184	-45.24431641	LEFT
((3,2), (2,8))	-42.01396055	-32.66148928	-46.08080548	-1003.86	DOWN
((3,1), (2,8))	-45.24575842	-32.523084	-32.523084	-47.14631204	DOWN
((3,0), (2,8))	-45.91427065	-17.82	-16.83	-45.91427065	LEFT
((5,2), (2,7))	-60.36927361	-49.99179851	-68.14327472	-1005.84	DOWN
((5,1), (2,7))	-52.09767175	-52.93249254	-55.87318657	-52.24952321	UP
((5,0), (2,7))	-54.22962123	-55.87318657	-55.87318657	-67.17326584	UP
((3,3), (3,11))	-1000	-1000	-1000	-1000	UP
((3,8), (2,11))	-42.64557185	-42.92721206	-40.9482777	-48.57703517	LEFT
((2,8), (2,11))	-37.20652998	-37.14102067	-37.13294164	-996.93	LEFT
((1,8), (2,11))	-39.01581169	-42.74946193	-38.028678	-997.92	LEFT
((0,8), (2,11))	-39.01581159	-43.64021757	-41.93053495	-998.91	UP
((4,8), (2,11))	-41.48835504	-40.92002664	-44.88582569	-998.91	DOWN
((3,7), (2,11))	-40.93824102	-45.77939553	-1000.89	-35.28761295	RIGHT
((2,7), (2,11))	-34.9241326	-40.88161913	-999.9	-35.26421347	UP
((1,7), (2,11))	-42.91739286	-35.12939176	-1000.89	-38.0158409	DOWN
((0,7), (2,11))	-42.91739275	-41.91742478	-1001.88	-42.73820345	DOWN
((4,7), (2,11))	-38.96642293	-37.4510757	-36.62632349	-43.91554007	LEFT
((3,6), (2,11))	-1000	-1000	-1000	-1000	UP
((0,6), (3,11))	-1000	-1000	-1000	-1000	UP
((5,10), (1,7))	-84.22508068	-82.50024359	-1005.84	-87.33532009	DOWN
((5,10), (1,8))	-72.63656506	-72.79433258	-1003.86	-77.62921881	UP
((1,3), (3,9))	-44.10070746	-1002.87	-47.27354805	-55.62759808	UP
((0,3), (3,9))	-58.52371739	-56.66938817	-47.19794446	-67.74327874	LEFT
((5,12), (1,4))	-1000	-1000	-1000	-1000	UP
((1,9), (1,11))	-1000	-1000	-1000	-1000	UP
((2,6), (2,11))	-1000	-1000	-1000	-1000	UP
((1,11), (1,12))	-25.54169844	-28.35650645	-29.33672611	-24.50546413	RIGHT
((0,11), (1,12))	-20.58485821	-19.64443758	-22.53584726	-23.4204477	DOWN
((2,11), (1,12))	-29.97718431	-26.41899865	-24.59377882	-995.94	LEFT
((1,10), (1,12))	-22.69839579	-24.57512498	-997.92	-25.47232756	UP
((0,10), (1,12))	-15.761592	-23.47887894	-998.91	-19.66161753	UP
((2,10), (1,12))	-27.26225887	-18.78139016	-998.91	-21.57464643	DOWN
((1,9), (1,12))	-1000	-1000	-1000	-1000	UP
((4,13), (4,5))	-87.35321592	-86.67579888	-1005.84	-82.50024359	RIGHT
((5,11), (1,11))	-45.59150846	-39.01581159	-42.90854179	-1000.89	DOWN
((5,10), (1,11))	-46.66254357	-42.91739275	-1001.88	-41.03049325	RIGHT
((4,9), (1,11))	-1000	-1000	-1000	-1000	UP
((5,12), (2,4))	-1000	-1000	-1000	-1000	UP

((3,12), (1,8))	-1000	-1000	-1000	-1000	UP
((1,11), (2,11))	-47.10340191	-59.75077547	-47.16197466	-47.12071236	UP
((0,11), (2,11))	-47.09279137	-48.40384233	-46.35919847	-49.3568867	LEFT
((2,6), (4,11))	-1000	-1000	-1000	-1000	UP
((5,11), (1,8))	-73.35737107	-77.64728809	-79.9519739	-1006.83	UP
((2,12), (1,8))	-1000	-1000	-1000	-1000	UP
((1,12), (2,11))	-48.86942893	-995.94	-47.14291134	-45.3787335	RIGHT
((0,12), (2,11))	-46.35928997	-44.48212911	-45.38602607	-54.81102746	DOWN
((2,12), (2,11))	-1000	-1000	-1000	-1000	UP
((5,12), (1,2))	-1000	-1000	-1000	-1000	UP
((4,2), (2,8))	-44.94493507	-16.999983	-32.523084	-1004.85	DOWN
((4,1), (2,8))	-32.493483	-17.82	-17.82	-32.65843383	DOWN
((4,0), (2,8))	-16.83	-18.81	-17.82	-16.83	UP
((0,9), (2,11))	-1000	-1000	-1000	-1000	UP
((0,13), (2,5))	-121.6931362	-117.3011437	-134.5504648	-121.6931362	DOWN
((1,13), (2,5))	-121.6947132	-110.166235	-126.7277835	-115.8982249	DOWN
((2,13), (2,5))	-118.1507703	-97.23918774	-1007.82	-110.1033137	DOWN
((3,13), (2,5))	-114.8843728	-101.940889	-1008.81	-97.05911011	RIGHT
((0,13), (2,11))	-52.15420121	-48.10495877	-51.25680216	-52.15420121	DOWN
((1,13), (2,11))	-52.10693013	-44.38799405	-44.47154836	-46.35928997	DOWN
((2,13), (2,11))	-38.86168762	-38.88956794	-995.94	-40.56437872	UP
((3,13), (2,11))	-34.00008878	-37.99653001	-996.93	-31.21264927	RIGHT
((5,6), (4,11))	-46.62510942	-43.67659955	-46.60526293	-44.86415026	DOWN
((5,5), (4,11))	-38.02840272	-39.01581159	-49.40887482	-51.18861226	UP
((4,5), (4,11))	-32.64651801	-40.9373169	-41.9183653	-40.78995251	UP
((3,5), (4,11))	-33.33852437	-25.40599155	-35.49113864	-998.91	DOWN
((2,5), (4,11))	-36.27930673	-30.28998972	-34.41274218	-999.9	DOWN
((1,5), (4,11))	-25.73032275	-35.36530024	-37.46755502	-1000.89	UP
((0,5), (4,11))	-38.22902239	-34.30596248	-26.612487	-1001.88	LEFT
((5,4), (4,11))	-42.94678726	-42.91739275	-1001.88	-41.32395822	RIGHT
((4,4), (4,11))	-35.45188023	-42.91739275	-1000.89	-40.02270667	UP
((3,4), (4,11))	-38.2979517	-28.2415915	-1001.88	-32.39480239	DOWN
((2,4), (4,11))	-35.24148477	-31.25981045	-1002.87	-35.24165977	DOWN
((1,4), (4,11))	-26.612487	-36.15196786	-28.554471	-36.28162345	UP
((0,4), (4,11))	-13.86	-26.582886	-14.85	-38.10159652	UP
((5,3), (4,11))	-1000	-1000	-1000	-1000	UP
((0,13), (2,7))	-98.51349118	-94.15714505	-102.9185691	-98.51349118	DOWN
((1,13), (2,7))	-107.1342678	-91.9611619	-89.89951671	-92.71857994	LEFT
((2,13), (2,7))	-101.8711777	-107.6406802	-1003.86	-100.9131244	RIGHT
((3,13), (2,7))	-100.9609238	-114.3682105	-1004.85	-107.640666	UP
((0,13), (2,4))	-111.6179766	-106.3857763	-127.2767497	-111.6179766	DOWN
((1,13), (2,4))	-106.9650181	-85.25217835	-105.9402824	-85.8347855	DOWN

((2,13), (2,4))	-88.16649207	-67.06281117	-1009.8	-81.93320434	DOWN
((3,13), (2,4))	-81.74125938	-92.61870748	-1010.79	-85.8347855	UP
((2,3), (3,11))	-1000	-1000	-1000	-1000	UP
((4,13), (2,4))	-85.86823896	-93.63794806	-1011.78	-89.73636666	UP
((1,12), (1,13))	-19.70248902	-995.94	-20.68113257	-24.26477753	UP
((0,12), (1,13))	-17.64416418	-21.48665865	-17.63495519	-13.840898	RIGHT
((2,12), (1,13))	-1000	-1000	-1000	-1000	UP
((0,2), (3,9))	-47.05110448	-45.1014887	-33.65031384	-45.08758357	LEFT
((1,2), (3,9))	-44.01229055	-40.3350928	-32.66148912	-40.05948631	LEFT
((0,1), (3,9))	-33.493383	-46.19867088	-34.493283	-46.89427264	UP
((1,1), (3,9))	-32.523084	-43.28553254	-32.523084	-41.08275693	UP
((0,0), (3,9))	-17.82	-32.523084	-17.82	-46.94318259	UP
((1,0), (3,9))	-34.493283	-30.552885	-33.493383	-44.01229055	DOWN
((2,2), (3,9))	-30.523284	-26.85722801	-28.582686	-1002.87	DOWN
((2,1), (3,9))	-44.28002321	-42.16089085	-30.552885	-40.05248657	LEFT
((2,0), (3,9))	-33.493383	-28.582686	-31.523184	-42.98473703	DOWN
((3,2), (3,9))	-28.553085	-28.68062373	-26.86476474	-1001.88	LEFT
((3,1), (3,9))	-30.523284	-43.12207874	-29.552985	-39.08424393	LEFT
((3,0), (3,9))	-31.523184	-30.552885	-29.552985	-26.73862587	RIGHT
((4,13), (2,5))	-111.1318595	-106.7650211	-1009.8	-101.9120656	RIGHT
((4,1), (3,9))	-42.29401545	-30.552885	-30.552885	-28.8455607	RIGHT
((4,0), (3,9))	-30.523284	-16.83	-15.84	-42.98337861	LEFT
((4,2), (3,9))	-38.94575665	-29.69032671	-30.523284	-1002.87	DOWN
((1,3), (3,10))	-44.10070746	-1002.87	-43.24843786	-39.21879879	RIGHT
((0,3), (3,10))	-44.11041045	-42.1594214	-31.67178414	-40.05248657	LEFT
((4,12), (1,11))	-1000	-1000	-1000	-1000	UP
((1,12), (1,8))	-54.61472436	-1003.86	-52.95202878	-44.48509422	RIGHT
((0,12), (1,8))	-54.62213623	-53.75660264	-59.09363439	-57.52551518	DOWN
((4,13), (2,7))	-106.5982366	-120.725261	-1005.84	-114.3682076	UP
((3,12), (1,7))	-1000	-1000	-1000	-1000	UP
((0,13), (1,8))	-44.11041045	-56.71691272	-55.55874109	-44.11041045	UP
((1,13), (1,8))	-44.24618483	-44.24775269	-46.66510546	-54.62213623	UP
((2,13), (1,8))	-54.49743991	-32.81528167	-1003.86	-44.11041045	DOWN
((3,13), (1,8))	-30.68008432	-33.49508283	-1004.85	-31.523184	UP
((4,12), (1,8))	-1000	-1000	-1000	-1000	UP
((5,13), (2,4))	-107.82675	-93.63794782	-1012.77	-93.63794782	DOWN
((5,2), (2,8))	-15.84	-16.83	-17.82	-1005.84	UP
((5,1), (2,8))	-16.83	0	0	0	DOWN
((5,0), (2,8))	-17.82	0	0	0	DOWN
((4,3), (4,11))	-1000	-1000	-1000	-1000	UP
((3,3), (4,11))	-1000	-1000	-1000	-1000	UP
((5,13), (4,5))	-86.35793657	-70.22846086	-1006.83	-70.22846086	DOWN

((4,13), (2,11))	-34.94370731	-39.01581169	-997.92	-35.11423043	UP
((5,13), (2,7))	-103.9303918	-104.3084024	-1006.83	-104.3084024	UP
((1,11), (1,13))	-19.60486315	-14.8405981	-21.5761226	-17.72963477	DOWN
((0,11), (1,13))	-13.791393	-20.59359466	-14.792085	-18.61501718	UP
((2,11), (1,13))	-12.85941393	-16.73269092	-14.791293	-995.94	UP
((1,10), (1,13))	-15.761592	-16.80061185	-997.92	-16.68249484	UP
((0,10), (1,13))	-15.761592	-14.84000892	-998.91	-14.77001592	RIGHT
((2,10), (1,13))	-19.54459365	-8.9991	-998.91	-14.83931592	DOWN
((1,9), (1,13))	-1000	-1000	-1000	-1000	UP
((5,13), (2,5))	-112.985394	-106.7650211	-1010.79	-106.7650211	DOWN
((5,9), (1,11))	-1000	-1000	-1000	-1000	UP
((1,6), (4,11))	-1000	-1000	-1000	-1000	UP
((0,9), (1,11))	-1000	-1000	-1000	-1000	UP
((0,11), (1,11))	-20.58485821	-18.4950927	-23.51573646	-22.55760361	DOWN
((5,13), (2,11))	-39.88270119	-39.01581159	-998.91	-39.01581159	DOWN
((5,13), (1,1))	-146.6520091	-124.8505971	-1020.69	-124.8505971	DOWN
((1,3), (1,7))	-58.51398558	-1004.85	-60.58633347	-63.0369515	UP
((0,3), (1,7))	-58.52371739	-56.54086325	-62.42675237	-50.54875629	RIGHT
((1,3), (3,11))	-29.55447	-1002.87	-30.66334255	-41.40887453	UP
((0,3), (3,11))	-29.552985	-42.42715406	-30.554469	-51.58349381	UP
((1,6), (2,11))	-1000	-1000	-1000	-1000	UP
((2,3), (1,8))	-1000	-1000	-1000	-1000	UP
((0,6), (4,11))	-1000	-1000	-1000	-1000	UP
((0,9), (1,13))	-1000	-1000	-1000	-1000	UP
((5,2), (3,9))	-42.013946	-44.11041045	-31.67031285	-1003.86	LEFT
((5,1), (3,9))	-30.523284	-31.523184	-32.523084	-43.9633806	UP
((5,0), (3,9))	-31.523184	-16.83	-16.83	-15.84	RIGHT
((4,13), (1,2))	-27.72	-29.7	-1017.72	0	RIGHT
((5,12), (1,8))	-1000	-1000	-1000	-1000	UP
((5,8), (2,11))	-44.84692863	-32.34763433	-34.42352438	-999.9	DOWN
((5,7), (2,11))	-46.85736241	-35.28832836	-37.25136212	-32.23981244	RIGHT
((4,6), (2,11))	-1000.89	-37.24767459	-26.70296224	-41.93361041	LEFT
((5,13), (1,2))	-28.71	0	0	0	DOWN
((0,13), (1,13))	-9.850995	-8.9302	-10.84000995	-9.850995	DOWN
((1,13), (2,13))	-4.9995	-4.98	-4.9995	-7.880796	DOWN
((0,13), (2,13))	-4.95	-3.96	-5.94	0	RIGHT
((2,13), (3,13))	-3.96	-2	-993.96	-2.97	DOWN
((1,13), (3,13))	-4.95	-2.97	0	0	LEFT
((0,13), (3,13))	-4.95	-3.96	0	0	LEFT
((3,13), (4,13))	0	0	0	0	UP
((0,9), (1,12))	-1000	-1000	-1000	-1000	UP
((3,8), (1,11))	-18.732691	-11.999988	-11.9988	-20.68108922	LEFT

((2,8), (1,11))	-8.999991	-20.6900199	-10.89	-998.91	UP
((1,8), (1,11))	-9.9	-18.72001791	-9.9	0	RIGHT
((0,8), (1,11))	-9.9	-8.91	0	0	LEFT
((5,11), (1,7))	-83.00640525	-87.3531991	-91.46777901	-1008.81	UP
((2,12), (1,7))	-1000	-1000	-1000	-1000	UP
((1,6), (1,7))	-1000	-1000	-1000	-1000	UP
((3,11), (1,12))	-21.49624627	-18.78061383	-18.8970408	-996.93	DOWN
((3,10), (1,12))	-22.3992134	-18.732681	-9.99999	-16.731891	LEFT
((2,9), (1,12))	-1000	-1000	-1000	-1000	UP
((0,2), (3,10))	-31.523184	-30.66061086	-32.523084	-45.08758357	DOWN
((1,2), (3,10))	-44.01229055	-40.3350928	-30.552885	-40.05948631	LEFT
((0,1), (3,10))	-16.83	-30.552885	-17.82	-15.84	RIGHT
((1,1), (3,10))	-16.83	-28.582686	-16.83	-41.08275693	UP
((0,0), (3,10))	-17.82	-16.83	-17.82	-16.83	DOWN
((1,0), (3,10))	-17.82	-15.84	-16.83	-15.84	DOWN
((4,8), (1,11))	-10.89	-12.87	-12.87	-1000.89	UP
((3,7), (1,11))	-10.89	-12.87	-1002.87	-22.65002388	UP
((2,7), (1,11))	-9.9	-11.88	-1001.88	0	RIGHT
((1,7), (1,11))	-10.89	-10.89	-1000.89	0	RIGHT
((0,7), (1,11))	-10.89	-9.9	0	0	LEFT
((4,7), (1,11))	-11.88	-13.86	-13.86	0	RIGHT
((3,6), (1,11))	-1000	-1000	-1000	-1000	UP
((4,13), (1,8))	-32.66008334	-17.9982	-1005.84	-33.493383	DOWN
((0,2), (3,11))	-31.523184	-28.582686	-16.9983	-30.53003184	LEFT
((1,2), (3,11))	-31.523184	-26.613873	-15.84	-40.05948631	LEFT
((0,1), (3,11))	-16.83	-15.84	-17.82	0	RIGHT
((5,13), (1,8))	-16.83	-17.82	-1006.83	0	RIGHT
((4,13), (1,4))	-48.5000755	-25.9974	-1013.76	-49.254975	DOWN
((5,12), (1,11))	-1000	-1000	-1000	-1000	UP
((1,3), (1,8))	-54.54644916	-1004.85	-47.32991037	-55.60683368	LEFT
((0,3), (1,8))	-44.11041045	-60.32932824	-46.07257378	-51.60389961	UP
((1,12), (1,7))	-63.38436992	-1005.84	-60.79179182	-47.19525856	RIGHT
((0,12), (1,7))	-62.42529854	-60.74873927	-68.78051795	-65.34986788	DOWN
((0,12), (1,12))	-23.40948695	-994.95	-19.66227741	-19.73016004	LEFT
((1,12), (2,12))	-1000	-1000	-1000	-1000	UP
((0,6), (2,11))	-1000	-1000	-1000	-1000	UP
((2,6), (1,11))	-1000	-1000	-1000	-1000	UP
((2,12), (1,12))	-1000	-1000	-1000	-1000	UP
((0,13), (1,12))	-13.791393	-12.92861407	-19.63287822	-13.791393	DOWN
((1,13), (1,12))	-12.87989412	-13.79209293	-14.761692	-11.821194	RIGHT
((2,13), (1,12))	-12.86009314	-7.9992	-995.94	-13.791393	DOWN
((1,12), (1,11))	-14.85989314	-997.92	-16.732683	-16.81921791	UP

((0,12), (1,11))	-15.761592	-14.91763984	-23.62927204	-17.732682	DOWN
((1,12), (2,13))	-5.94	-993.96	-5.94	0	RIGHT
((0,12), (2,13))	-5.94	-4.95	-6.93	0	RIGHT
((2,12), (2,13))	-1000	-1000	-1000	-1000	UP
((2,12), (3,13))	-1000	-1000	-1000	-1000	UP
((0,13), (1,11))	-17.731791	-16.732683	-21.51614428	-17.731791	DOWN
((1,13), (1,11))	-16.83911592	-17.73269091	-14.692392	-15.761592	LEFT
((1,11), (1,10))	-8.9991	-8.91	-998.91	-8.91	DOWN
((0,11), (1,10))	-8.91	-7.92	-7.92	0	RIGHT
((2,11), (1,10))	-7.92	0	0	0	DOWN
((1,10), (1,9))	-1000	-1000	-1000	-1000	UP
((2,13), (1,11))	-16.82009118	-9.999	-997.92	-17.731791	DOWN
((1,12), (1,10))	-9.9	-999.9	0	0	LEFT
((0,12), (1,10))	-9.9	-8.91	0	0	LEFT
((2,12), (1,10))	-1000	-1000	-1000	-1000	UP
((3,13), (1,11))	-8.91	-10.89	-998.91	0	RIGHT
((3,13), (1,12))	-6.93	-8.91	-996.93	0	RIGHT
((4,11), (1,12))	-24.42801158	-9.999	-9.9	-997.92	LEFT
((4,10), (1,12))	-18.7991199	-10.89	-1000.89	-8.91	RIGHT
((3,9), (1,12))	-998.91	-1000.89	-10.89	0	RIGHT
((0,13), (1,7))	-66.3268797	-64.55377544	-65.41975229	-66.3268797	DOWN
((1,13), (1,7))	-66.31707985	-50.14874665	-54.42963621	-62.42529854	DOWN
((2,13), (1,7))	-62.28138833	-36.79469163	-1005.84	-49.99179851	DOWN
((3,13), (1,7))	-34.64008236	-37.43568081	-1006.83	-35.463582	UP
((3,12), (1,12))	-1000	-1000	-1000	-1000	UP
((4,12), (1,7))	-1000	-1000	-1000	-1000	UP
((3,11), (1,13))	-14.84009216	-8.9991	-8.91	-996.93	LEFT
((3,10), (1,13))	-7.92	-9.9	-9.9	-14.712093	UP
((2,9), (1,13))	-1000	-1000	-1000	-1000	UP
((2,3), (4,11))	-1000	-1000	-1000	-1000	UP
((5,11), (1,12))	-8.91	-9.9	-10.89	0	RIGHT
((5,10), (1,12))	-9.9	-10.89	-1001.88	0	RIGHT
((4,9), (1,12))	-1000	-1000	-1000	-1000	UP
((5,12), (1,7))	-1000	-1000	-1000	-1000	UP
((5,6), (2,11))	-36.39216402	-25.612587	-26.613873	-42.98279499	DOWN
((5,5), (2,11))	-24.75872388	-27.582786	-28.584171	-26.59002786	UP
((4,5), (2,11))	-22.67328888	-27.582786	-26.612487	-24.62002587	UP
((3,5), (2,11))	-10.999989	-12.87	-12.87	-1000.89	UP
((2,5), (2,11))	-11.88	-11.88	-11.88	-999.9	UP
((1,5), (2,11))	-12.87	-10.89	0	0	LEFT
((0,5), (2,11))	-12.87	-11.88	0	0	LEFT
((5,4), (2,11))	-13.9986	-14.85	-1005.84	-28.56002985	UP

((4,4), (2,11))	-12.9987	-14.85	-1004.85	-26.454186	UP
((3,4), (2,11))	-11.88	-13.86	-1003.86	-22.66002189	UP
((2,4), (2,11))	-12.87	-12.87	-1002.87	0	RIGHT
((1,4), (2,11))	-13.86	-11.88	0	0	LEFT
((0,4), (2,11))	-13.86	-12.87	0	0	LEFT
((5,3), (2,11))	-1000	-1000	-1000	-1000	UP
((2,2), (3,10))	-30.523284	-26.85722801	-28.582686	-1002.87	DOWN
((2,1), (3,10))	-15.84	-13.9986	-15.84	-40.05248657	DOWN
((2,0), (3,10))	-16.83	-14.85	-15.84	-14.85	DOWN
((3,2), (3,10))	-28.553085	-28.68062373	-26.86476474	-1001.88	LEFT
((3,1), (3,10))	-14.85	-14.85	-14.85	-39.08424393	UP
((3,0), (3,10))	-15.84	-15.84	-14.85	-13.86	RIGHT
((4,1), (3,10))	-13.86	-15.84	-15.84	-13.86	UP
((4,0), (3,10))	-14.85	-16.83	-15.84	-14.85	UP
((4,2), (3,10))	-38.94575665	-14.9985	-14.85	-1002.87	LEFT
((2,2), (3,11))	-14.85	-12.9987	-14.85	-1002.87	DOWN
((1,1), (3,11))	-16.83	-14.85	-16.83	-14.85	DOWN
((2,1), (3,11))	-15.84	-13.86	-15.84	-13.86	DOWN
((1,0), (3,11))	-17.82	-15.84	-16.83	-15.84	DOWN
((0,0), (3,11))	-17.82	-16.83	-17.82	-16.83	DOWN
((2,0), (3,11))	-16.83	-14.85	-15.84	-14.85	DOWN
((0,2), (1,8))	-31.523184	-45.10480339	-32.523084	-42.98337861	UP
((1,2), (1,8))	-46.3687079	-32.66148928	-48.04247481	-40.05948631	DOWN
((0,1), (1,8))	-33.493383	-48.02140348	-34.493283	-46.0678845	UP
((1,1), (1,8))	-33.65031384	-49.16376184	-32.523084	-47.14631204	LEFT
((0,0), (1,8))	-17.82	-34.463682	-17.82	-46.94318259	UP
((1,0), (1,8))	-34.493283	-34.493283	-33.493383	-45.91427065	LEFT
((2,2), (1,8))	-44.94338259	-34.62062967	-34.62061284	-1004.85	LEFT
((2,1), (1,8))	-48.04080946	-34.493283	-34.493283	-48.04410848	DOWN
((2,0), (1,8))	-33.493383	-18.81	-17.82	-48.84516269	LEFT
((5,2), (3,10))	-13.86	-14.85	-15.84	-1003.86	UP
((5,1), (3,10))	-14.85	-15.84	-16.83	-14.85	UP
((5,0), (3,10))	-15.84	-16.83	-16.83	-15.84	UP
((3,2), (1,8))	-47.87427463	-17.9982	-17.82	-1005.84	LEFT
((3,1), (1,8))	-34.463682	-18.81	-18.81	-16.83	RIGHT
((3,0), (1,8))	-17.82	-19.8	-18.81	-17.82	UP
((4,3), (2,11))	-1000	-1000	-1000	-1000	UP
((4,11), (1,13))	-7.92	-9.9	-9.9	0	RIGHT
((4,10), (1,13))	-8.91	-10.89	-1000.89	0	RIGHT
((3,9), (1,13))	-998.91	0	0	0	DOWN
((3,3), (2,11))	-1000	-1000	-1000	-1000	UP
((1,3), (4,11))	-28.582686	-1002.87	-28.582686	-26.59002786	RIGHT

((0,3), (4,11))	-14.85	-28.553085	-15.84	-13.86	RIGHT
((3,2), (3,11))	-13.86	-13.86	-13.86	0	RIGHT
((3,1), (3,11))	-14.85	-14.85	-14.85	-12.87	RIGHT
((3,0), (3,11))	-15.84	-15.84	-14.85	-13.86	RIGHT
((0,11), (2,13))	-6.93	-5.94	-7.92	0	RIGHT
((1,11), (2,13))	-6.93	-4.95	-6.93	0	RIGHT
((0,10), (2,13))	-7.92	-6.93	-998.91	0	RIGHT
((1,10), (2,13))	-7.92	-5.94	-997.92	0	RIGHT
((0,9), (2,13))	-1000	-1000	-1000	-1000	UP
((5,13), (1,3))	-26.73	-27.72	-1016.73	0	RIGHT
((2,11), (2,13))	-5.94	0	0	0	DOWN
((2,10), (2,13))	-6.93	0	0	0	DOWN
((1,9), (2,13))	-1000	-1000	-1000	-1000	UP
((4,13), (1,11))	-9.9	0	0	0	DOWN
((1,2), (1,7))	-62.69194786	-48.04413903	-49.13073046	-70.70215855	DOWN
((0,2), (1,7))	-62.42529854	-60.78681584	-49.00853083	-54.56160977	LEFT
((2,2), (1,7))	-43.12602712	-34.62062967	-50.9830728	-1004.85	DOWN
((1,1), (1,7))	-49.99179851	-49.16376184	-49.99179851	-47.14943185	RIGHT
((0,1), (1,7))	-49.99179851	-46.0613995	-66.20325502	-61.29968882	DOWN
((2,1), (1,7))	-48.04080946	-51.94278756	-34.493283	-50.09824698	LEFT
((1,0), (1,7))	-52.92278955	-52.93415987	-49.99179851	-48.99179951	RIGHT
((0,0), (1,7))	-52.93249254	-51.1268876	-52.93249254	-52.22070339	DOWN
((2,0), (1,7))	-52.09590838	-36.64001682	-52.93249254	-48.84516269	DOWN
((3,12), (1,13))	-1000	-1000	-1000	-1000	UP
((4,12), (1,12))	-1000	-1000	-1000	-1000	UP
((4,2), (1,8))	-16.83	-18.81	-18.81	-1006.83	UP
((4,1), (1,8))	-17.82	-19.8	-19.8	-17.82	UP
((4,0), (1,8))	-18.81	-20.79	-19.8	-18.81	UP
((0,10), (1,10))	-7.92	-6.93	0	0	LEFT
((1,10), (2,10))	-7.92	-5.94	0	0	LEFT
((0,10), (2,10))	-7.92	-6.93	0	0	LEFT
((2,10), (3,10))	-6.93	-4.95	0	0	LEFT
((1,10), (3,10))	-7.92	-5.94	0	0	LEFT
((0,10), (3,10))	-7.92	-6.93	0	0	LEFT
((3,10), (4,10))	-5.94	-4.95	-5.94	0	RIGHT
((2,10), (4,10))	-6.93	-4.95	0	0	LEFT
((1,10), (4,10))	-7.92	-5.94	0	0	LEFT
((0,10), (4,10))	-7.92	-6.93	0	0	LEFT
((3,9), (4,10))	-996.93	0	0	0	DOWN
((2,9), (4,10))	-1000	-1000	-1000	-1000	UP
((5,9), (1,12))	-1000	-1000	-1000	-1000	UP
((2,3), (2,11))	-1000	-1000	-1000	-1000	UP

((3,2), (1,7))	-47.87427463	-34.495065	-36.433881	-1005.84	DOWN
((3,1), (1,7))	-49.18316782	-36.463482	-37.433781	-34.81467264	RIGHT
((3,0), (1,7))	-51.77605473	-38.433681	-37.433781	-51.94278756	LEFT
((5,11), (1,13))	-8.91	0	0	0	DOWN
((5,10), (1,13))	-9.9	0	0	0	DOWN
((4,9), (1,13))	-1000	-1000	-1000	-1000	UP
((4,2), (3,11))	-12.87	0	0	0	DOWN
((4,1), (3,11))	-13.86	0	0	0	DOWN
((4,0), (3,11))	-14.85	0	0	0	DOWN
((5,13), (1,4))	-24.75	-25.74	-1014.75	0	RIGHT
((0,2), (4,11))	-15.84	-14.85	-16.83	-14.85	DOWN
((1,2), (4,11))	-15.84	-13.9986	-15.84	-13.86	RIGHT
((0,1), (4,11))	-16.83	-15.84	-17.82	-15.84	DOWN
((1,1), (4,11))	-16.83	-14.85	-16.83	-14.85	DOWN
((0,0), (4,11))	-17.82	-16.83	-17.82	-16.83	DOWN
((1,0), (4,11))	-17.82	-15.84	-16.83	-15.84	DOWN
((4,13), (1,7))	-36.62008138	-19.998	-1007.82	-37.433781	DOWN
((2,2), (4,11))	-14.85	-12.87	-14.85	-1002.87	DOWN
((2,1), (4,11))	-15.84	-13.86	-15.84	-13.86	DOWN
((2,0), (4,11))	-16.83	-14.85	-15.84	-14.85	DOWN
((3,2), (4,11))	-13.86	0	0	0	DOWN
((3,1), (4,11))	-14.85	0	0	0	DOWN
((3,0), (4,11))	-15.84	0	0	0	DOWN
((5,2), (1,8))	-17.82	0	0	0	DOWN
((5,1), (1,8))	-18.81	0	0	0	DOWN
((5,0), (1,8))	-19.8	0	0	0	DOWN
((3,8), (1,12))	-9.9	-11.88	-11.88	0	RIGHT
((2,8), (1,12))	-8.91	-10.89	0	0	LEFT
((1,8), (1,12))	-9.9	-9.9	0	0	LEFT
((0,8), (1,12))	-9.9	-8.91	0	0	LEFT
((4,8), (1,12))	-10.89	0	0	0	DOWN
((3,7), (1,12))	-10.89	-12.87	-1002.87	0	RIGHT
((2,7), (1,12))	-9.9	-11.88	0	0	LEFT
((1,7), (1,12))	-10.89	-10.89	0	0	LEFT
((0,7), (1,12))	-10.89	-9.9	0	0	LEFT
((4,7), (1,12))	-11.88	0	0	0	DOWN
((3,6), (1,12))	-1000	-1000	-1000	-1000	UP
((4,2), (1,7))	-50.80691321	-18.81	-18.81	-1006.83	DOWN
((4,1), (1,7))	-36.433881	-19.8	-19.8	-17.82	RIGHT
((4,0), (1,7))	-52.80496667	-20.79	-19.8	-18.81	RIGHT
((5,13), (1,7))	-18.81	-19.8	-1008.81	0	RIGHT
((1,6), (1,11))	-1000	-1000	-1000	-1000	UP

((5,8), (1,11))	-11.88	0	0	0	DOWN
((5,7), (1,11))	-12.87	0	0	0	DOWN
((4,6), (1,11))	-1002.87	0	0	0	DOWN
((4,13), (1,12))	-7.92	0	0	0	DOWN
((5,2), (1,7))	-17.82	0	0	0	DOWN
((5,1), (1,7))	-18.81	0	0	0	DOWN
((5,0), (1,7))	-19.8	0	0	0	DOWN