

Environment Configurations

In Round 1, the configuration of all of the evaluation environments is disclosed! The only parameter kept secret is the seed to ensure that the submissions solve the problems in a generalisable way.

`n_envs_run` indicates the number of environments ran for each test. A mean score is calculated for each of the 14 tests. The final score is the mean of these means.

The malfunction interval differs from environment to environment, but it is never smaller than `min_malfunction_interval`. In each test, some environments have no malfunctions at all.

All the environment use the following parameters in Round 1:

- `malfunction_duration = [20,50]`
- `max_rails_between_cities = 2`
- `speed_ratios = {1.0: 1.0}`
- `grid_mode = False`

test	n_agents	x_dim	y_dim	n_cities	max_rails_in_city	min_malfunction_interval	n_envs_run
Test_0	5	25	25	2	3	50	50
Test_1	10	30	30	2	3	100	50
Test_2	20	30	30	3	3	200	50
Test_3	50	20	35	3	3	500	40
Test_4	80	35	20	5	3	800	30
Test_5	80	35	35	5	4	800	30
Test_6	80	40	60	9	4	800	30
Test_7	80	60	40	13	4	800	30
Test_8	80	60	60	17	4	800	20
Test_9	100	80	120	21	4	1000	20
Test_10	100	100	80	25	4	1000	20
Test_11	200	100	100	29	4	2000	10
Test_12	200	150	150	33	4	2000	10
Test_13	400	150	150	37	4	4000	10