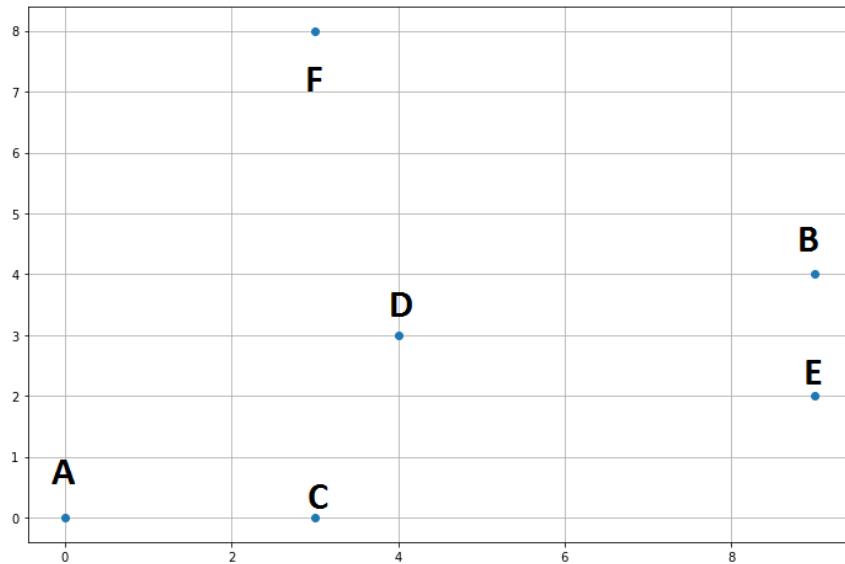


Task 1:

Cities coordinates



Distances matrix:

	0	1	2	3	4	5
0	0.000000	9.848858	3.000000	5.000000	9.219544	8.544004
1	9.848858	0.000000	7.211103	5.099020	2.000000	7.211103
2	3.000000	7.211103	0.000000	3.162278	6.324555	8.000000
3	5.000000	5.099020	3.162278	0.000000	5.099020	5.099020
4	9.219544	2.000000	6.324555	5.099020	0.000000	8.485281
5	8.544004	7.211103	8.000000	5.099020	8.485281	0.000000

Cities and their pathes:

Examples of pathes (in cities numbers)	Pathes length
[0, 1, 2, 3, 4, 5, 0]	42.350542646
[0, 1, 2, 3, 5, 4, 0]	43.026083358
[0, 1, 2, 4, 3, 5, 0]	42.1265584456
[0, 1, 2, 4, 5, 3, 0]	41.9688165609
[0, 1, 2, 5, 3, 4, 0]	44.4775438372

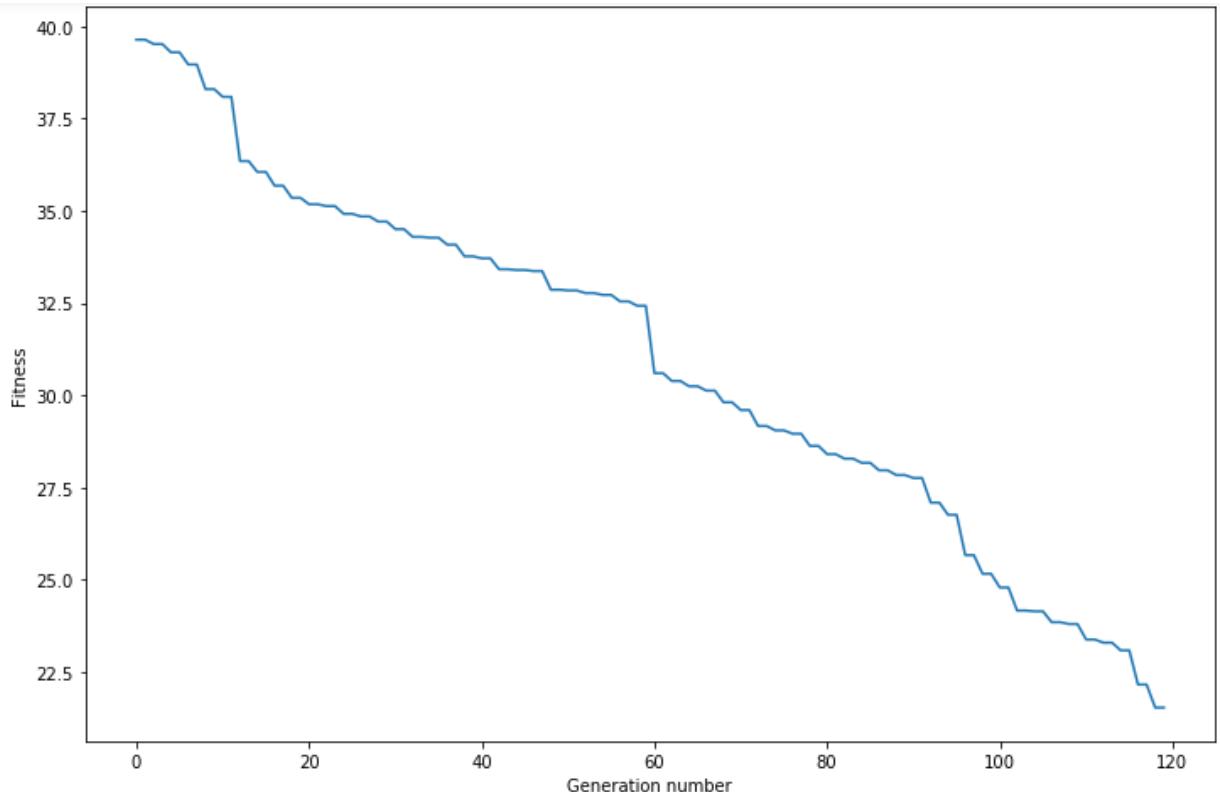
Shortest path:

[0, 3, 5, 1, 4, 2, 0]

With length:

28.634677384857522

Task 2:



I've needed to reboot, so random distance may differ.