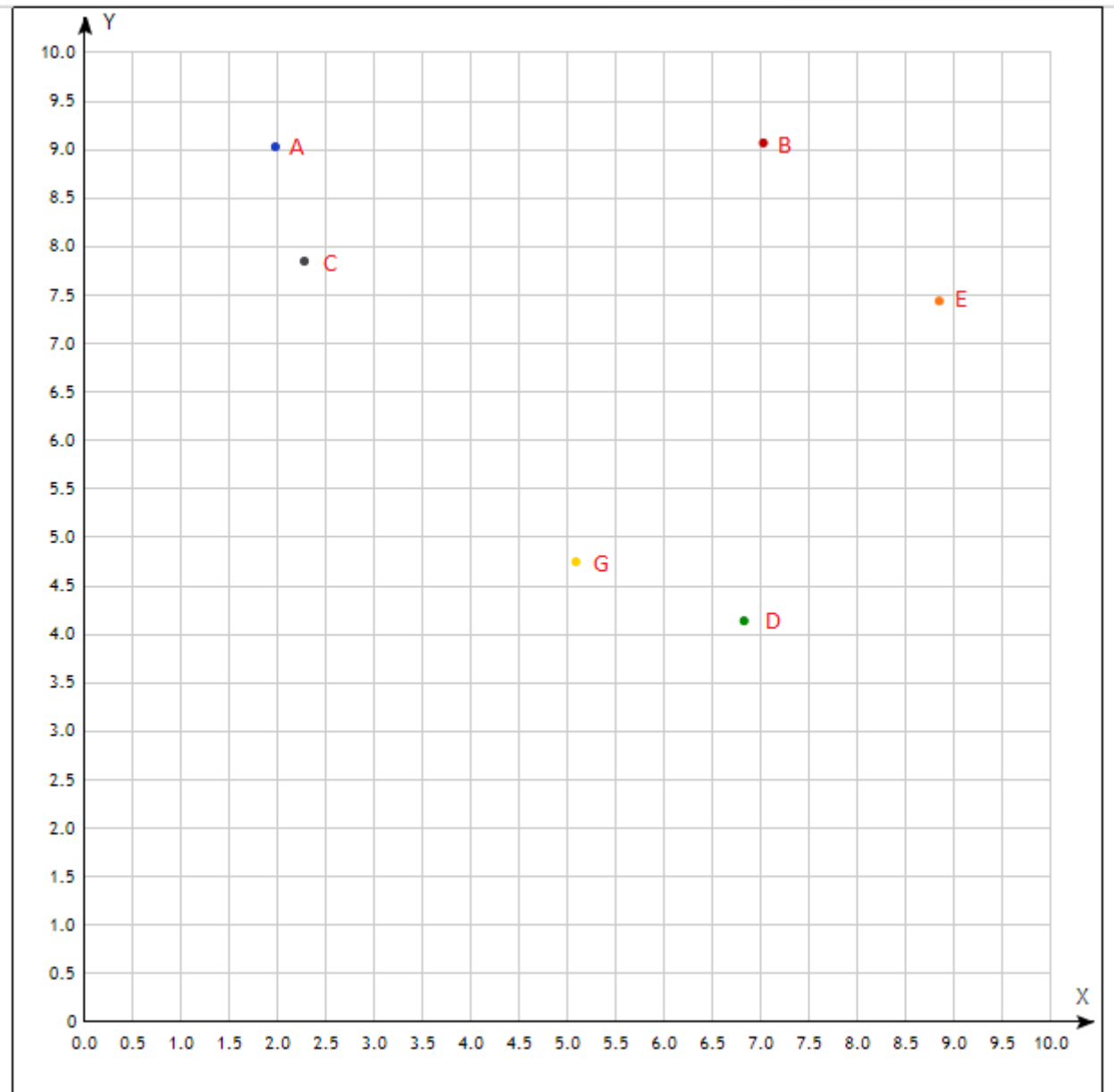


Cities map:



Matrix Distance between cities:

	A	B	C	D	E	F
A	0	5.05	1.21	6.88	7.05	5.29
B	5.05	0	4.90	4.93	2.44	4.73
C	1.21	4.90	0	5.87	6.58	4.18
D	6.88	4.93	.87	0	3.86	1.84
E	7.05	2.44	5.68	3.86	0	4.62
F	5.29	4.73	4.18	1.84	4.62	0

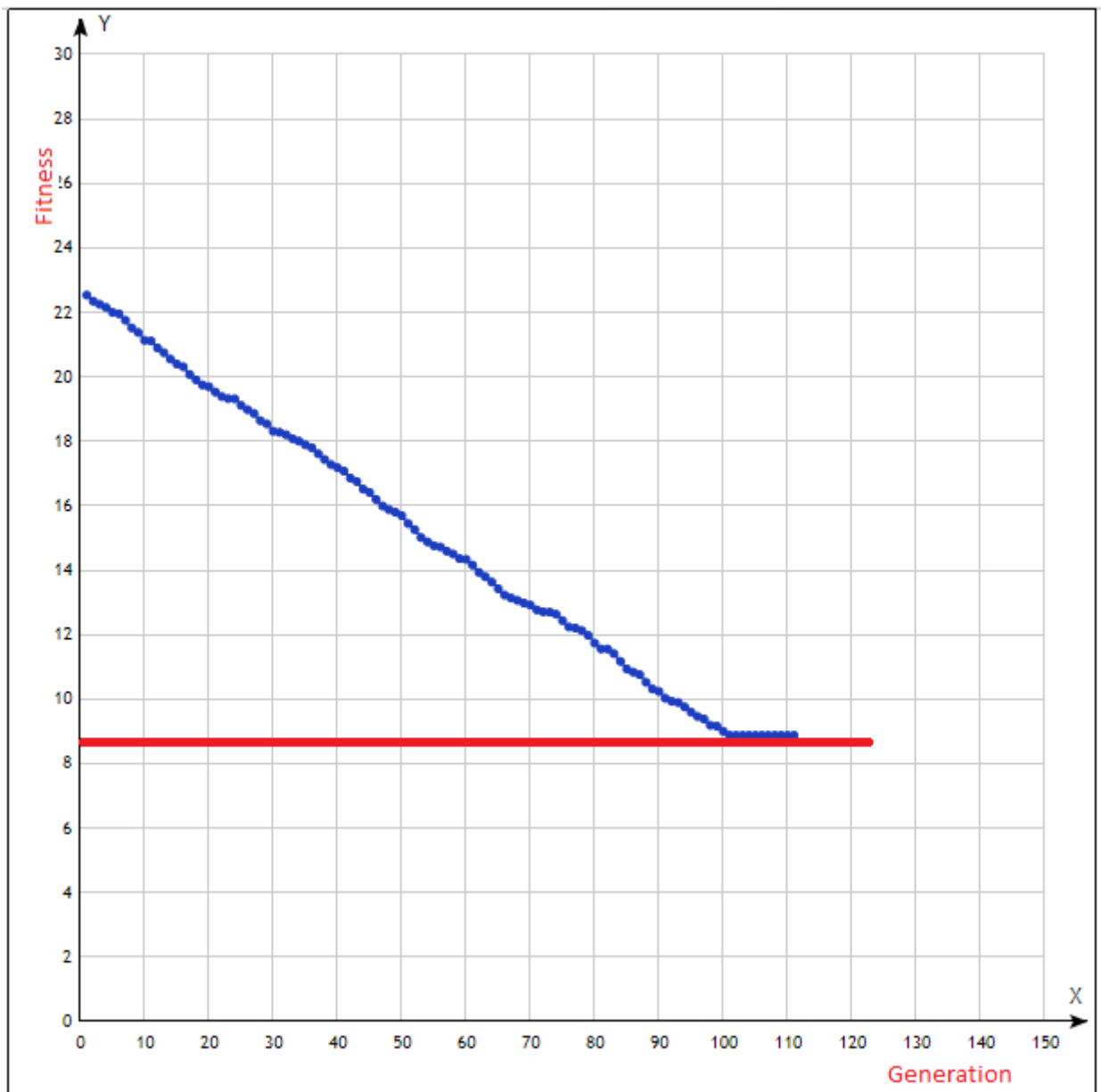
All Distances:

ABCDEF: 29,6080911880018	
ABCDFE: 29,3437492969378	ADCEBFA: 31,8103146280459
ABCEDF: 27,5407032111112	ADCEFBA: 33,7498229743311
ABCEFD: 29,8913862504674	ADCFBEA: 31,1725539029074
ABCFDE: 26,9029424859727	ADCFEBA: 29,0586768791078
ABCFED: 29,517967416393	ADEBCFA: 27,5784590701077
ABDCEF: 32,351595073741	ADEBFCA: 23,3368307778268
ABDCFE: 31,7138343486025	ADECBFA: 32,2696051653311
ABDECFA: 29,9107882627758	ADECFBA: 31,309016163366
ABDEFCA: 23,8781112235219	ADEFBCA: 26,2369281260772
ABDFCE: 29,6464463717119	ADEFBCA: 29,517967416393
ABDFEC: 24,2515300575964	ADFBCEA: 32,0052632742671
ABECDFA: 27,081412673826	ADFBCEA: 23,7102496119013
ABECFDA: 26,9912889022171	ADFCBEA: 27,3141171790437
ABEDCFA: 26,7079938397515	ADFCEBA: 26,9912889022171
ABEDFCA: 18,6079288236069	ADFEBCA: 21,9192008649283
ABEFCDA: 29,0586768791078	ADFECBA: 29,8913862504674
ABEFDCA: 21,0487356345721	AEBCDFA: 27,4042409506526
ABFCDE: 30,7613792098364	AEBCFDA: 27,3141171790437
ABFCED: 31,309016163366	AEBDCFA: 29,7743260023173
ABFDCE: 31,1347980439109	AEBDFCA: 21,6742609861727
ABFDECA: 23,2990749188303	AEBFCDA: 31,1725539029074

Minimum distance:

Minimum: ABEDFCA: 18,6079288236069
Minimum: ACFDEBA: 18,6079288236069

Graphic of evolution



Red – minimum of function.

Blue – minimum of evolution algorithm.

Best fitness on 1st, 2nd, 3rd, 51st, 52nd, 53rd, 109th, 110th, 111th penultimate and last generations:

