

Traveling Salesman Problem

Task 1. Show 5 cities randomly created on a map:

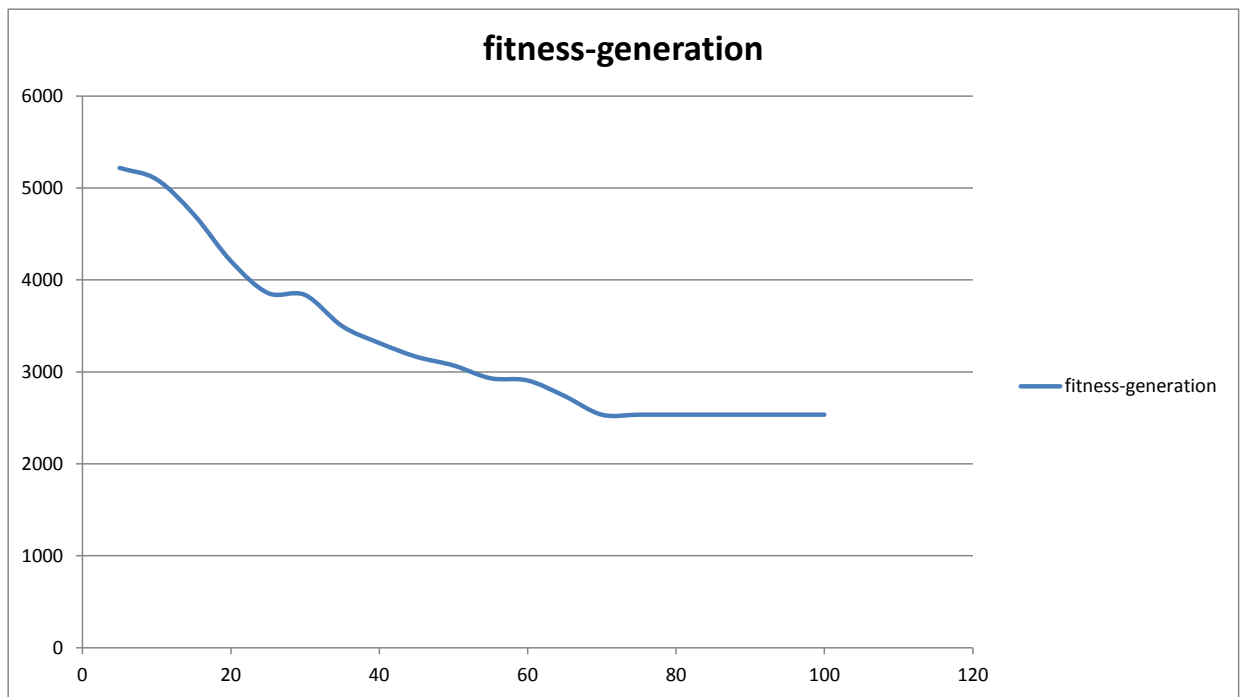


Task 2. Show distance matrix between this 5 cities:

For example we gave name to our cities: *Brest*, *Orsha*, *Grodno*, *Borisov*, *Lipetsk*. Distance matrix will take form:

	<i>Brest</i>	<i>Orsha</i>	<i>Grodno</i>	<i>Borisov</i>	<i>Lipetsk</i>
<i>Brest</i>	-	259	148.9	466.6	244.3
<i>Orsha</i>	259	-	110.7	328.9	211.7
<i>Grodno</i>	148.9	110.7	-	346.7	177.8
<i>Borisov</i>	466.6	328.9	346.7	-	225.6
<i>Lipetsk</i>	244.3	211.7	177.8	225.6	-

Task 3. TSP program for 30 randomly created cities.



Stable solution found after 70 iteration. The shortest distance = 2535