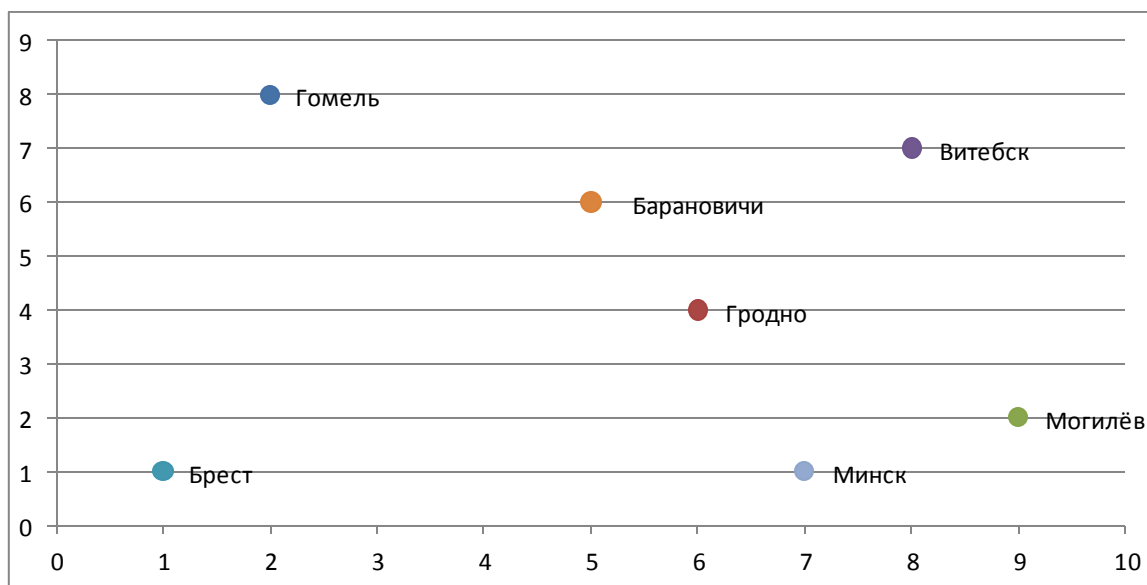


Sergeew Roman

Coordinates:

1. (2, 8)
2. (6, 4)
3. (9, 2)
4. (8, 7)
5. (1, 1)
6. (5, 6)
7. (7, 1)

1. Brest
2. Gomel
3. Baranovichi
4. Grodno
5. Minsk
6. Mogilew
7. Vitebsk



Matrix of distance:

City	Брест	Гомель	Барановичи	Гродно	Минск	Могилёв	Витебск
Брест	0.0	7,62	6,40	5,83	6,00	8,06	9,22
Гомель	7,62	0.0	3,61	5,66	8,60	9,22	6,08
Барановичи	6,40	3,61	0.0	2,24	5,39	5,66	3,16
Гродно	5,83	5,66	2,24	0.0	3,16	3,61	3,16
Минск	6,00	8,60	5,39	3,16	0.0	2,24	6,08
Могилёв	8,06	9,22	5,66	3,61	2,24	0.0	5,10
Витебск	9,22	6,08	3,16	3,16	6,08	5,10	0.0

Ways and distances between them:

1 4 3 2 7 6 5 1 - 41.6166
 1 2 6 3 5 4 7 1 - 26.9751
 1 2 3 6 5 4 7 1 - 28.1325
 1 3 4 6 2 7 5 1 - 43.1635
 1 5 6 2 3 7 4 1 - 34.6592
 1 4 5 6 7 3 2 1 - 23.8728
 1 4 2 3 6 7 5 1 - 25.0647
 1 3 5 2 6 4 7 1 - 43.2369
 1 2 5 4 3 6 7 1 - 24.0995
 1 3 4 5 2 6 7 1 - 32.3125
 1 5 2 4 6 7 3 1 - 36.3502
 1 6 2 4 7 3 5 1 - 42.3839
 1 3 4 6 5 7 2 1 - 42.5886
 1 3 6 7 4 2 5 1 - 31.3062
 1 4 7 5 6 2 3 1 - 36.7454
 1 2 5 3 6 4 7 1 - 36.0239
 1 4 3 7 5 2 6 1 - 39.575
 1 3 2 4 5 6 7 1 - 28.8497
 1 5 6 2 3 4 7 1 - 40.2883
 1 4 2 6 7 3 5 1 - 31.5509
 1 4 2 3 5 7 6 1 - 39.3271
 1 3 6 5 2 7 4 1 - 36.3977
 1 3 4 6 2 5 7 1 - 43.1385
 1 4 3 5 6 7 2 1 - 33.0122
 1 4 6 2 3 5 7 1 - 37.0918
 1 3 6 5 2 4 7 1 - 36.9424
 1 6 4 5 2 3 7 1 - 36.1047
 1 5 2 7 6 4 3 1 - 47.0915
 1 3 6 2 4 5 7 1 - 31.1834
 1 3 2 6 4 7 5 1 - 41.6498
 1 2 5 3 4 7 6 1 - 44.1655
 1 6 3 4 5 7 2 1 - 34.0069
 1 6 5 4 2 7 3 1 - 39.5231
 1 5 4 7 3 2 6 1 - 36.9148
 1 2 5 6 3 4 7 1 - 35.6358

1 5 2 6 3 7 4 1 - 32.2156
1 6 5 3 4 2 7 1 - 44.4429
1 6 4 5 3 2 7 1 - 39.362
1 5 4 6 3 2 7 1 - 32.8118
1 5 2 7 6 4 3 1 - 47.0915
1 4 5 6 3 2 7 1 - 28.9373
1 5 6 2 4 3 7 1 - 38.7146
1 4 2 5 6 3 7 1 - 31.1491
1 4 3 2 5 7 6 1 - 41.1542
1 6 2 4 7 3 5 1 - 42.3839
1 2 3 5 4 7 6 1 - 36.8692
1 4 3 2 6 5 7 1 - 36.7037
1 5 7 4 6 3 2 1 - 33.5293
1 6 3 5 7 4 2 1 - 35.4206
1 2 4 7 5 6 3 1 - 34.782
1 2 6 4 3 5 7 1 - 40.0047
1 3 5 4 6 2 7 1 - 39.4513
1 4 6 3 5 2 7 1 - 36.6217
1 6 2 3 5 7 4 1 - 38.414
1 4 5 7 2 6 3 1 - 31.1834
1 4 5 2 6 3 7 1 - 27.3156
1 5 4 3 2 7 6 1 - 40.9533
1 5 6 3 4 7 2 1 - 37.2949
1 6 5 2 4 3 7 1 - 41.1856
1 6 5 2 4 3 7 1 - 41.1856
1 4 2 3 6 5 7 1 - 30.7974
1 3 6 2 5 7 4 1 - 34.4242
1 2 5 6 4 3 7 1 - 38.7209
1 4 6 2 3 5 7 1 - 37.0918
1 6 5 7 4 3 2 1 - 39.6913
1 5 4 7 2 6 3 1 - 34.7681
1 4 2 7 6 3 5 1 - 36.3859
1 6 4 5 3 2 7 1 - 39.362
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1 2 6 5 4 7 3 1 - 34.7951
1 5 4 7 3 2 6 1 - 36.9148
1 5 4 7 6 3 2 1 - 30.319
1 5 3 6 4 2 7 1 - 38.2809
1 3 4 2 5 7 6 1 - 45.3737
1 5 4 7 2 6 3 1 - 34.7681
1 4 7 3 5 6 2 1 - 36.0447
1 3 6 7 2 4 5 1 - 28.0653
1 4 6 3 7 2 5 1 - 35.0236
1 6 5 2 3 7 4 1 - 37.1302
1 6 3 7 5 4 2 1 - 29.2853
1 5 3 7 2 6 4 1 - 39.1027
1 5 3 6 4 2 7 1 - 38.2809
1 2 6 5 3 4 7 1 - 39.7149

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1 3 4 2 5 6 7 1 - 36.146
1 4 6 3 5 2 7 1 - 36.6217
1 2 3 4 6 5 7 1 - 38.3691
1 3 2 7 5 6 4 1 - 40.0386
1 6 5 2 3 7 4 1 - 37.1302
1 3 4 6 2 5 7 1 - 43.1385
1 4 6 5 2 7 3 1 - 41.4418
1 4 2 3 5 7 6 1 - 39.3271
1 3 4 2 6 7 5 1 - 36.1945
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1 6 3 2 5 7 4 1 - 34.3349
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1 4 3 5 7 2 6 1 - 42.4694
1 5 6 4 3 2 7 1 - 42.5516
1 5 6 3 4 2 7 1 - 37.8927
1 5 2 6 3 4 7 1 - 37.8447
1 3 5 7 6 2 4 1 - 39.4164
1 4 6 5 3 2 7 1 - 39.0653
1 4 2 5 7 6 3 1 - 35.3373
1 5 2 4 6 7 3 1 - 36.3502
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1 3 5 4 2 7 6 1 - 41.6866
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1 6 5 3 7 2 4 1 - 39.3585
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1 5 6 3 4 2 7 1 - 37.8927
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Graphic

Best chromosome: 1 7 9 6 8 5 2 1

