Workshop 2 Answers

Exercise 3
The shortest distance is the trajectory at the center with a distance of
1201149.496882136 meters

Exercise # 4
I am the center
[29537.951617836792, 33353.52968982297, **29059.50220688247**]
2
I am at the right
[**191112.35555429282**, 197884.3539200661, 196495.83576164348]
0
I am at the left
[**226532.90320327558**, 227144.52374301344, 234289.811026887]
0
I am at the left
[284180.7652192, **256402.41822162352**, 283073.1216162093]
1
I am the center
[276827.5176583545, **249814.5724929265**, 304106.93051578035]
1
I am the center
[207115.42296308102, **207115.42296308102**, 230724.43490705916]
0

The most economical trajectory is 1160037.1746420818 km long

The most economical trajectory is 626369.9647095473 nautical miles

The resulting trajectory is: [[0, 1], [1, 2], [2, 0], [3, 0], [4, 1], [5, 1], [6, 0]]
[waypoint #, location]

Location: 0 = Left   1 = Middle   2 = Right

Exercise 5
0
(52.04, 4.79)
1
(50.3, 3.62)
2
(48.39, 2.287)
3
(46.09, 2.67)
4
(43.81, 2.81)
5
(41.88, 2.69)

The shortest distance found is of 1155.154600969687 meters
The shortest distance found is of 623.733585836764 nautical miles
The followed path was [1, 2, 0, 1, 1, 1, 1]
0 = Left   1 = Middle   2 = Right
Exercise 5 ends