The Great American Tour

The famous folk-singing group "The Wind Breakers" are planning their farewell tour of the United States. They will be giving concerts in 10 cities. They have reduced their list of candidate cities to 16 (we will refer to them as A, B, C, D, E, F, G, H, I, J, K, and L). In order to choose the ten cities, they will pick them based on the set of ten for which there is a minimal tour. The table below gives the distance from each of the 16 cities, A through L to each of the other cities. For example the distance from city E to city K is 1016 miles.

The minus one (-1) values are used to indicate that the from city is the same as the to city and the distance is not valid. Modify your TSP program to give the 10 cities and their order to achieve the shortest possible tour. A data file containing the distance matrix above is available from your instructor. Submit the total length of the shortest tour, the list of cities in order of the tour and your source code.