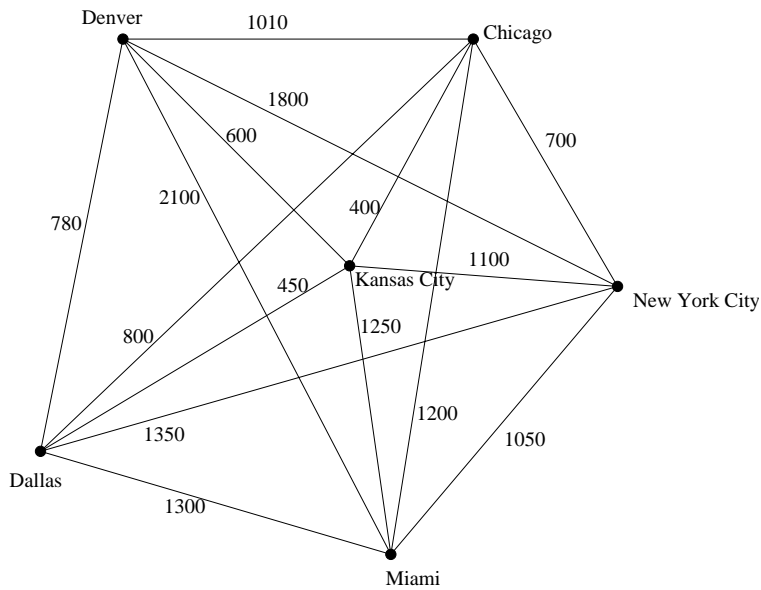


circle your section

- 2 Tues 11:20
- 3 Thur 12:50
- 4 Tues 5:30

PRINT your Name:

1. A trip is planned that will start in New York, and visit each of the cities Chicago, Denver, Dallas, Kansas City, Miami, and return. **Use the greedy algorithm** to plan such a trip in an attempt to minimize the distance travelled. (That is, use the greedy algorithm to find a short Hamiltonian circuit on the graph.)



2. Use Prim's (nearest neighbor) algorithm to find a minimal spanning tree for the graph below.

