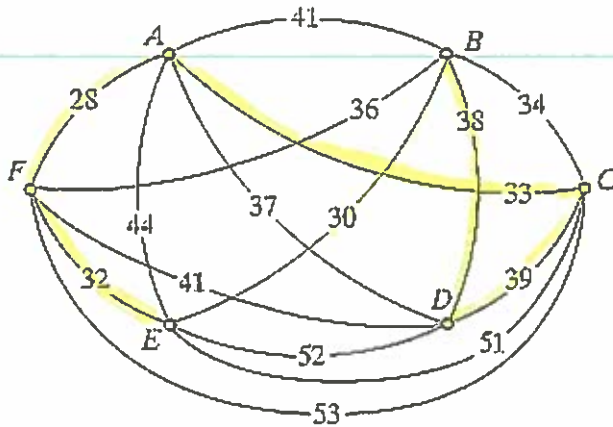
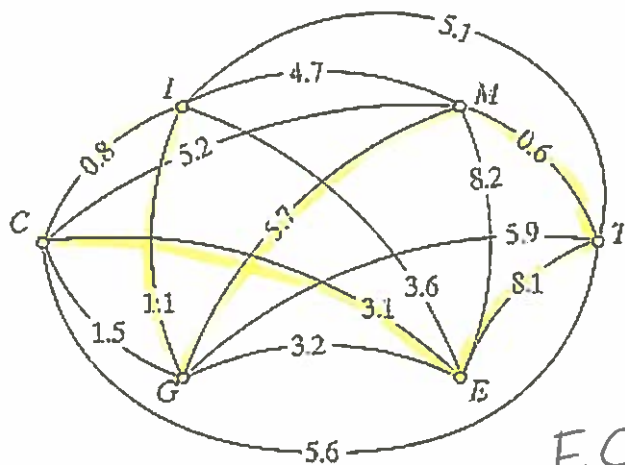


44. For the weighted graph shown in Fig. 6-47, find the cheapest-link tour, and give the total mileage for this tour. Write the tour using *B* as the starting vertex. (Note: This is the graph in Exercise 38.)



*BDCA FEB*  
 = 200

46. For the space expedition problem discussed in Exercise 34, find the cheapest-link tour, and give the total travel time for this tour. Write the tour with *E* as the starting vertex.



*ECIGMTE*  
 = 19.4

48. For the Platonic Cowboys concert tour discussed in Exercise 36, find the cheapest-link tour, and give the total mileage for this tour.

Write the tour with Nashville as the starting vertex.

Mileage Chart

	Boston	Dallas	Houston	Louisville	Nashville	Pittsburgh	St. Louis
Boston	*	1748	1804	941	1088	561	1141
Dallas	1748	*	243	819	660	1204	630
Houston	1804	243	*	928	769	1313	779
Louisville	941	819	928	*	168	388	263
Nashville	1088	660	769	168	*	553	299
Pittsburgh	561	1204	1313	388	553	*	588
St. Louis	1141	630	779	263	299	588	*

$N \rightarrow L \rightarrow St.L \rightarrow D \rightarrow H \rightarrow B \rightarrow P \rightarrow N$

4222 miles