

1. Exercise 31.9, page 1124 in Chapter 31. I suggest that you modify the file structure so that the first line contains an integer representing the number of vertices, followed by an unknown number of lines that each contain three values: two integers that represent the vertices of the edge and a double that represents the weight of the edge. For each of these edges,  $(u, v, w)$ , create two `WeightedEdge` objects; one from  $u$  to  $v$  with weight  $w$  and one from  $v$  to  $u$  with weight  $w$ . The remainder of the problem should be as described in the book.
2. Exercise 31.11, page 1125 in Chapter 31.