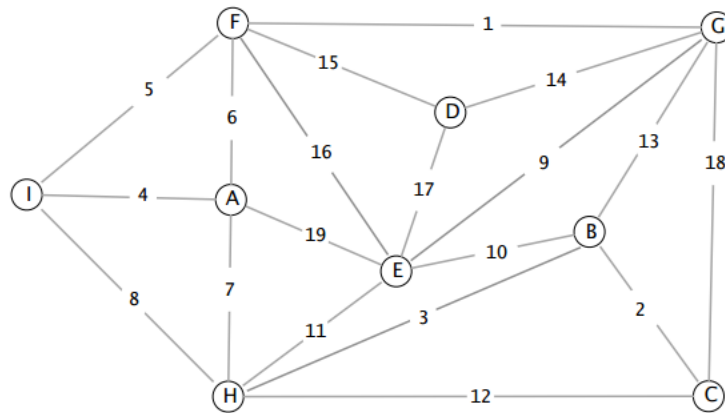


1 Exercises

Exercise 1. Consider the following edge-weighted graph with 9 vertices and 19 edges. Note that the edge weights are distinct integers between 1 and 19.



- Complete the sequence of edges in the MST in the order that Kruskal's algorithm includes them (by specifying their edge weights).
- What is the total weight of the edges on the MST?

2 Solutions to Exercises

Solution 1.

- 1 2 3 4 5 7 9 14
- 45