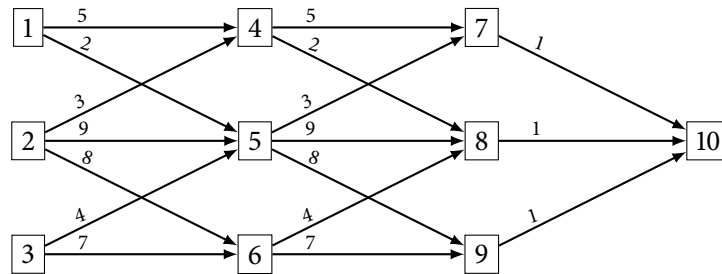


## Shortest path recursions

Consider the following directed graph. The edge labels correspond to edge lengths.



Use the recursion for the shortest path problem defined in Lesson 10 to

- (i) Find the length of a shortest path from nodes 1, ..., 10 to node 10.
- (ii) Find a shortest path from node 1 to node 10.