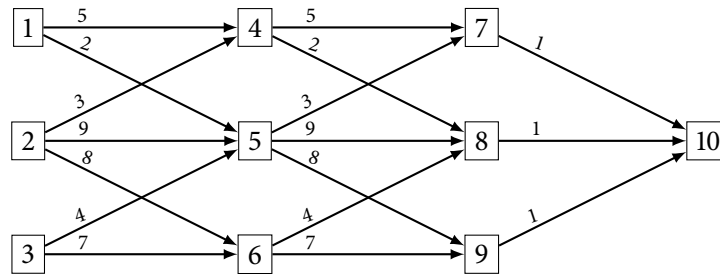# Shortest path recursions

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



Use the recursion for the shortest path problem defined in Lesson 12 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.