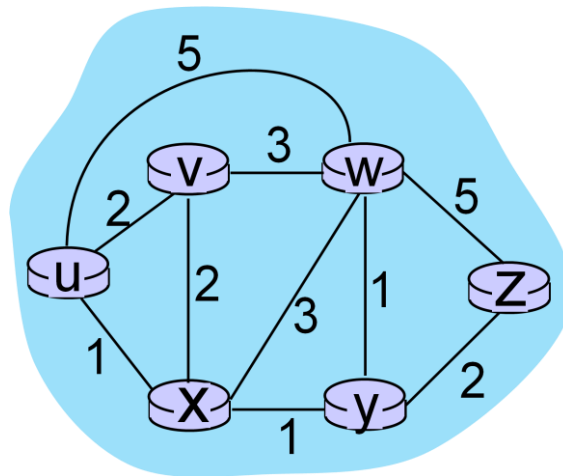# Assignment I

Total: 20 marks

Implement the following using Packet tracer

1. Consider the network shown below. Show the operation of Dijkstra's (link-state) algorithm for computing the least cost path from u to z, and what is the cost of this path?

(10 marks)

2. In the following figure, each node has two systems S1, S2 connected to each node in AS1, AS2 and AS3 respectively. Send a message from S1 connected to 1c to S2 connected to 3a

(10 marks)