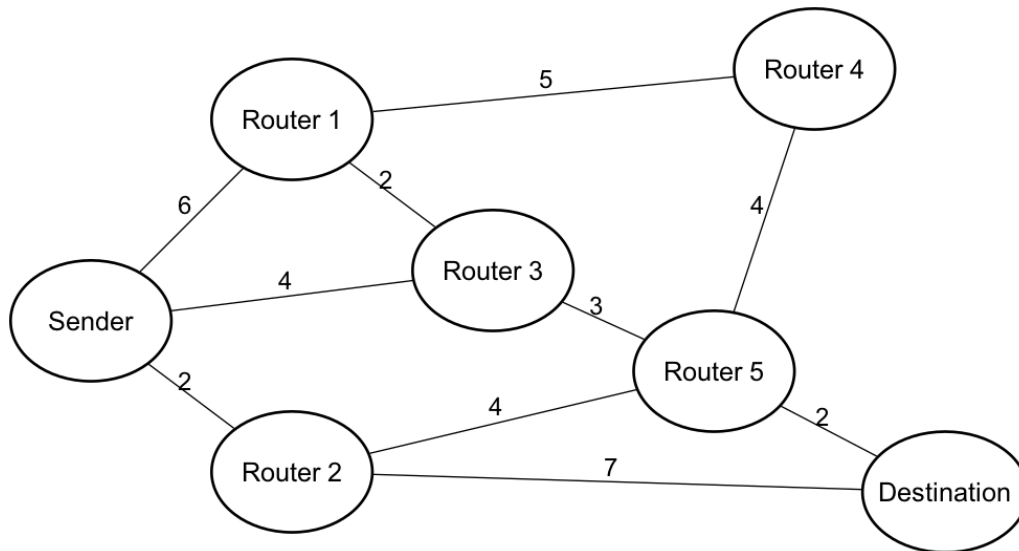


- 5 (a) Routers can use Dijkstra's or A* algorithm to find the most optimal paths for packets in **Packet Switched Networks**.

Calculate the shortest distance between the sender and each of the routers/destination in the diagram using Dijkstra's algorithm.

Show your working **and** write your answers in the table provided.



Working

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Answers

Router 1	Router 2	Router 3	Router 4	Router 5	Destination

[5]