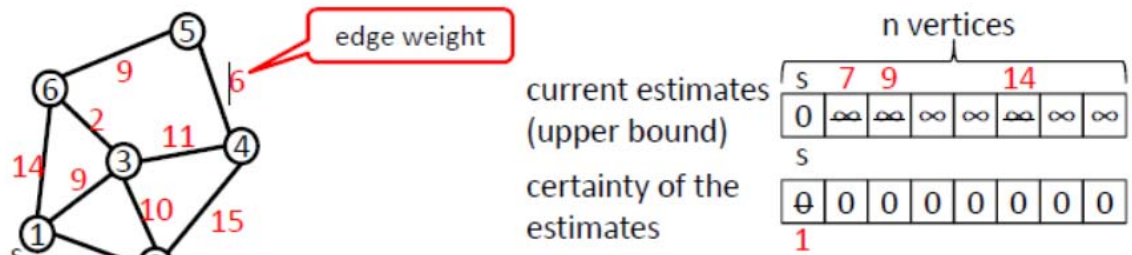# CN Quiz 5

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Show the final status of current estimates and their certainty after Dijkstra's algorithm is performed from vertex 1.

First step (Vertex 1)

Estimates	0	7	9	∞	∞	14
Certainty	1	0	0	0	0	0

Step 2 (Vertex 2)

Estimates	0	7	9 (17)	22	∞	14
Certainty	1	0	0	0	0	0

Step 3 (Vertex 3)

Estimates	0	7	9	20	∞	11
Certainty	1	0	0	0	0	0

Step 4 (Vertex 4)

Estimates	0	7 (35)	9	20	25	11
Certainty	1	1	0	0	0	0

Step 5 (Vertex 5)

Estimates	0	7	9	20	25	11 (34)
Certainty	1	1	0	0	0	1

Final Step (Vertex 6 and loop from 1 to check)

Estimates	0	7	9	20	20	11
Certainty	1	1	1	1	1	1