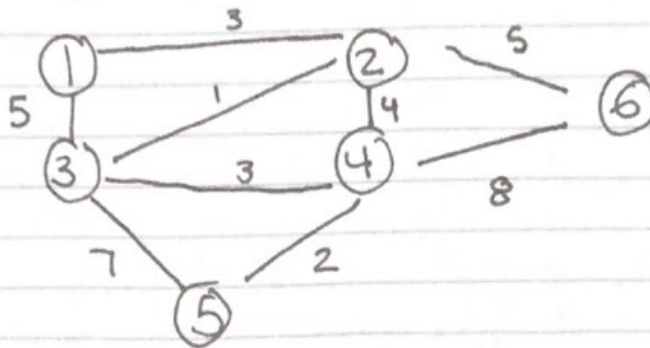# Dijkstra's Algorithm Example

Given that node '1' is the source node, what are all the distances of the shortest paths from the source node to all the other nodes?

Status	node	distance	step
→ ✓	1	0	1
→ ✓	2	∞ 3	
→ ✓	3	∞ 5̶ 4 (1+3)	
→ ✓	4	∞ 7	
→ ✓	5	∞ 1̶2̶ 9 (7+2)	
→ ✓	6	∞ 8	