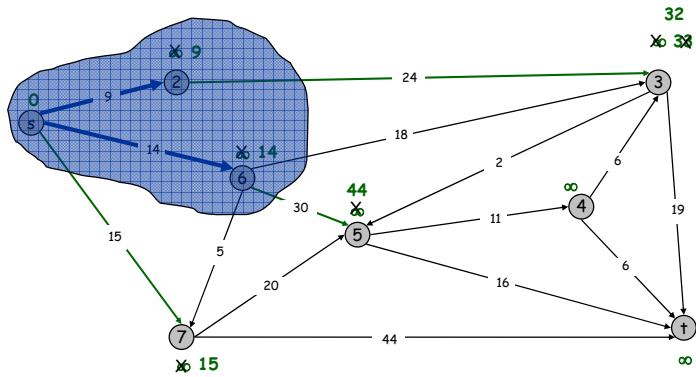


Dijkstra's Shortest Path Algorithm

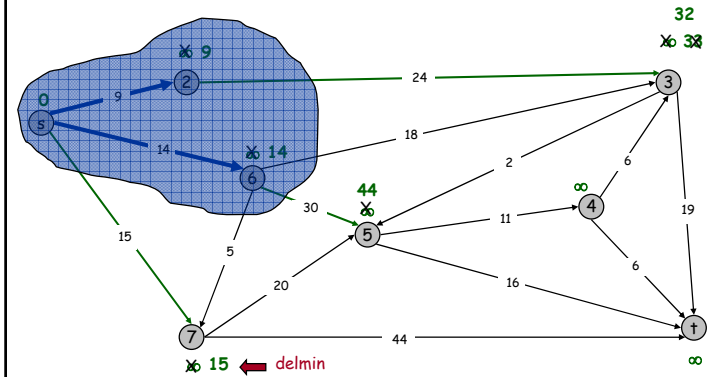
$S = \{s, 2, 6\}$
 $PQ = \{3, 4, 5, 7, t\}$



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Dijkstra's Shortest Path Algorithm

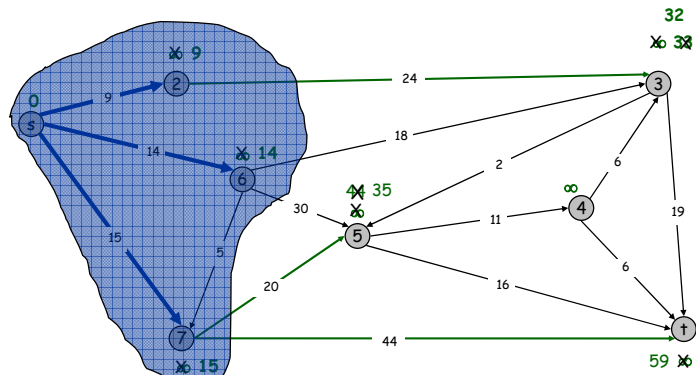
$S = \{s, 2, 6\}$
 $PQ = \{3, 4, 5, 7, t\}$



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Dijkstra's Shortest Path Algorithm

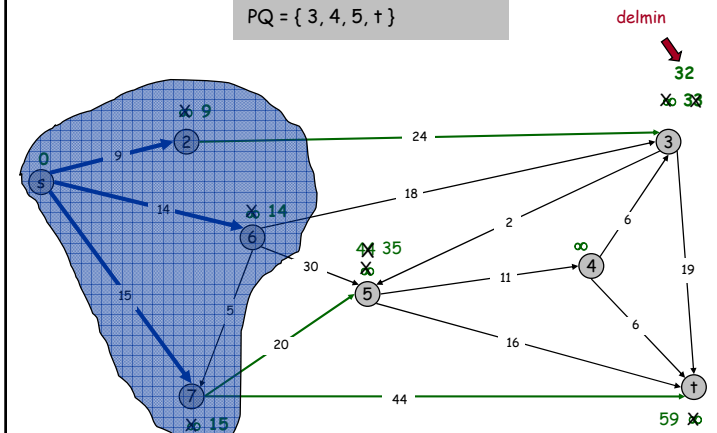
$S = \{s, 2, 6, 7\}$
 $PQ = \{3, 4, 5, t\}$



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Dijkstra's Shortest Path Algorithm

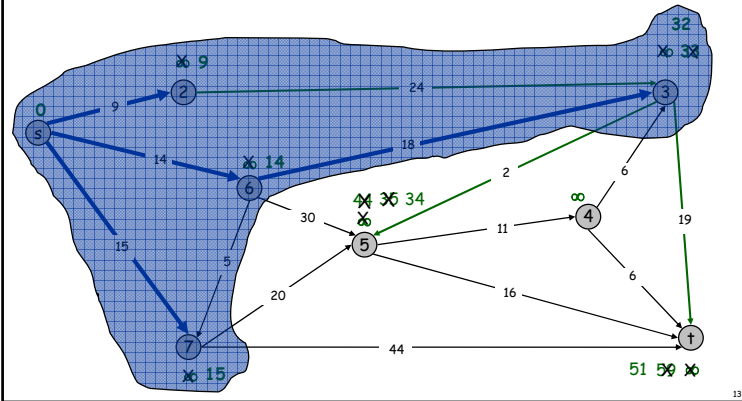
$S = \{s, 2, 6, 7\}$
 $PQ = \{3, 4, 5, t\}$



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Dijkstra's Shortest Path Algorithm

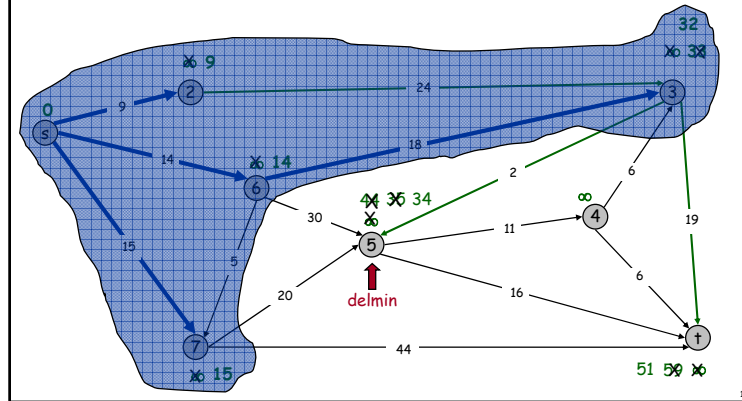
$S = \{s, 2, 3, 6, 7\}$
 $PQ = \{4, 5, t\}$



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Dijkstra's Shortest Path Algorithm

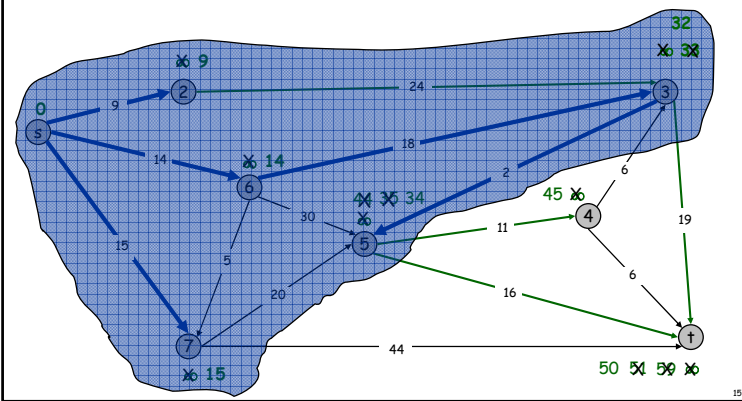
$S = \{s, 2, 3, 6, 7\}$
 $PQ = \{4, 5, t\}$



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Dijkstra's Shortest Path Algorithm

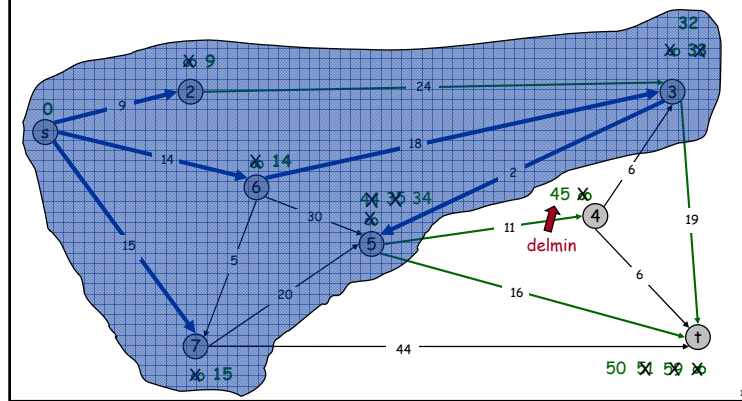
$S = \{s, 2, 3, 5, 6, 7\}$
 $PQ = \{4, t\}$



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Dijkstra's Shortest Path Algorithm

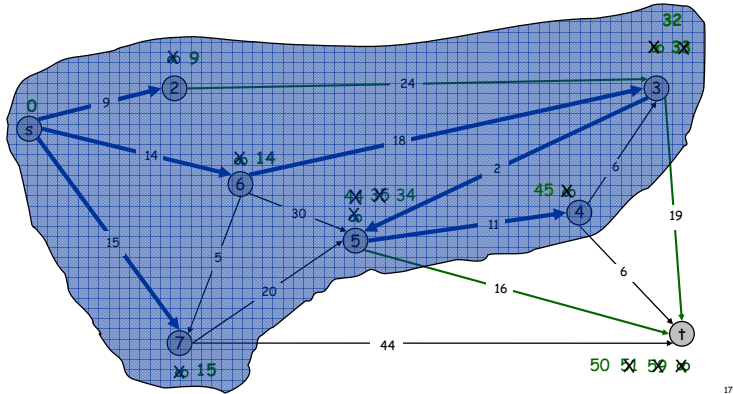
$S = \{s, 2, 3, 5, 6, 7\}$
 $PQ = \{4, t\}$



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Dijkstra's Shortest Path Algorithm

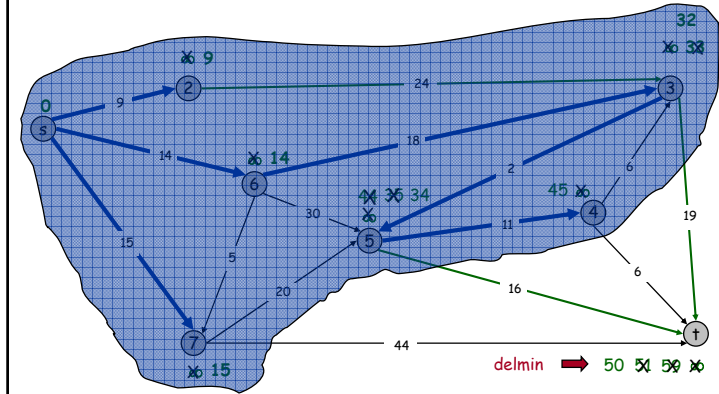
$S = \{s, 2, 3, 4, 5, 6, 7\}$
 $PQ = \{t\}$



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Dijkstra's Shortest Path Algorithm

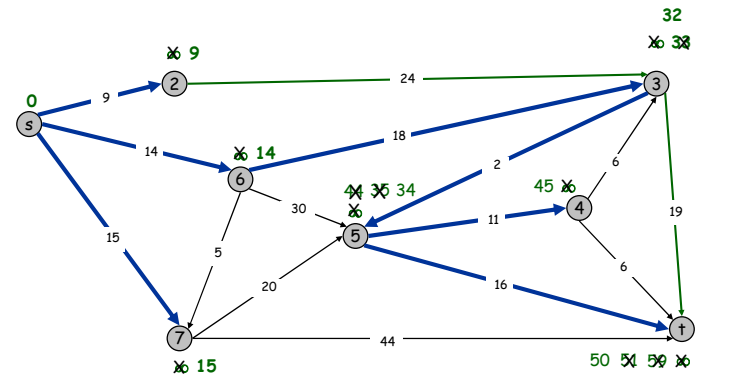
$S = \{s, 2, 3, 4, 5, 6, 7\}$
 $PQ = \{t\}$



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Dijkstra's Shortest Path Algorithm

$S = \{s, 2, 3, 4, 5, 6, 7, t\}$
 $PQ = \{\}$



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