Nodes in Queue:

Vertex	Known	Cost	Path
S			
A			
B			
C			
D			
E			
F			

Order of nodes visited:

Shortest path S to D and cost:
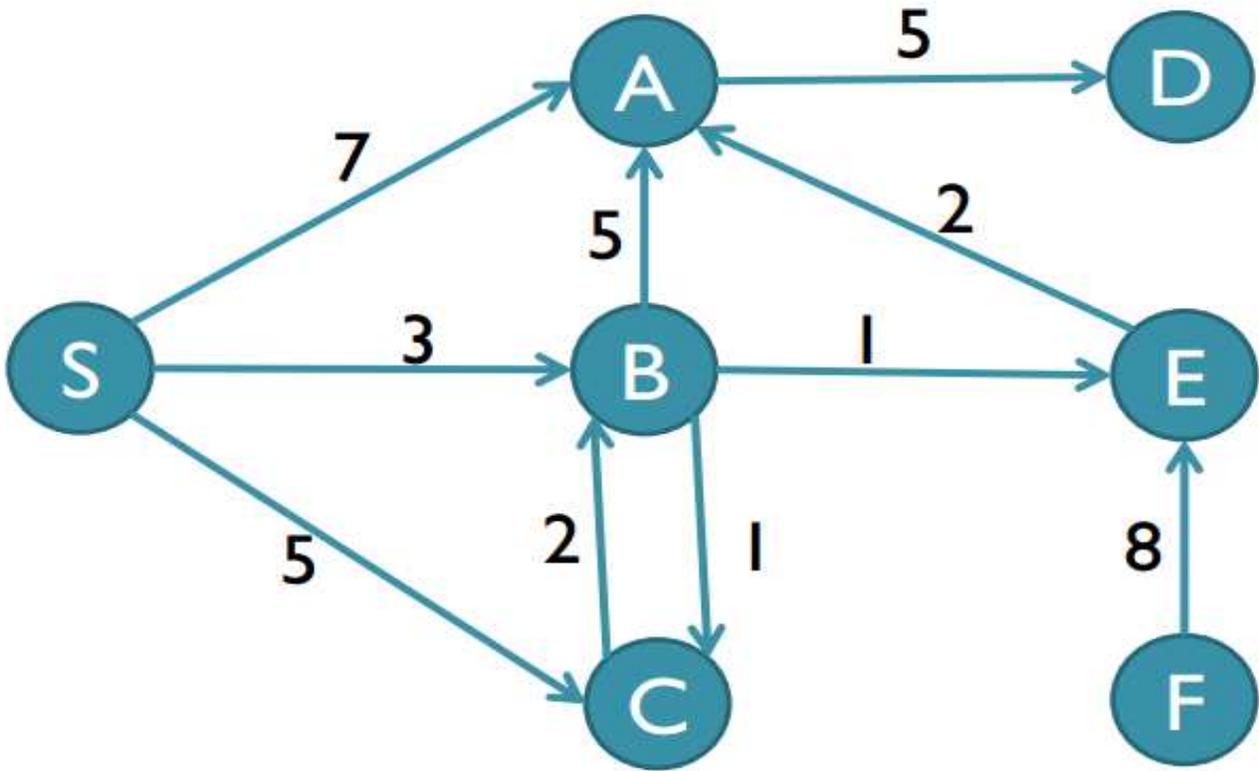
Nodes in Queue:

Vertex	Known	Cost	Path
S	Y	0	-
A	Y	6	E
B	Y	3	S
C	Y	4	B
D	y	11	A
E	Y	4	B
F	N		

Order of nodes visited: S   B   E   C   A   D

Shortest path S to D and cost: 11 SBEAD