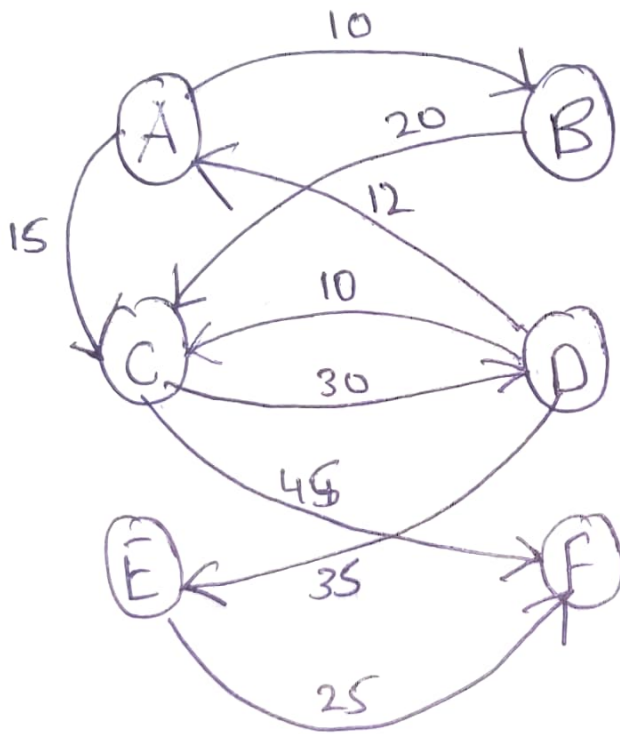


23, 46, 47, 49, 52, 68,
121, 256

(a)

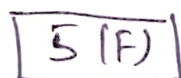
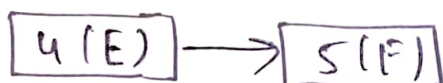
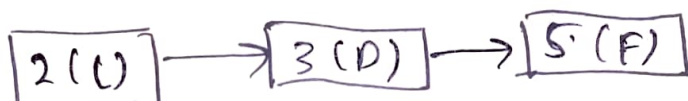
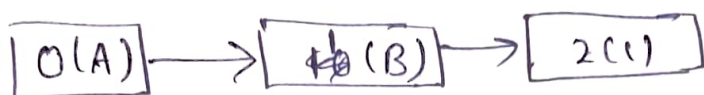


(b)

		A	B	C	D	E	F
		0	1	2	3	4	5
A	0		10	15			
B	1			20			
C	2				30		45
D	3	12		10		35	
E	4						25
F	5						

(c)

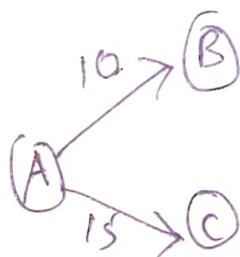
	A	B	C	D	E	F
0		1	2	3	4	5



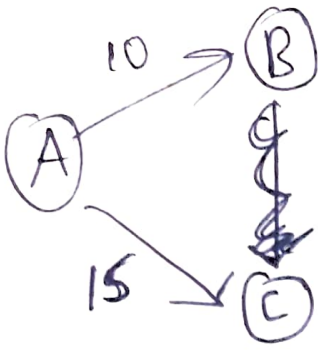
(d) $S = \{A, B, C, D, E, F\}$ $D = [0, INF, INF, INF, INF, INF]$

(A)

$S = \{A, B, C, D, E, F\}$ $D = [0, 10, 15, INF, INF, INF]$

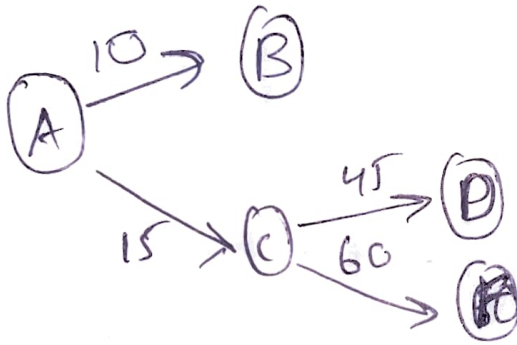


$S = \{A, B\}$ $D = [0, 10, 15, INF, INF, INF]$



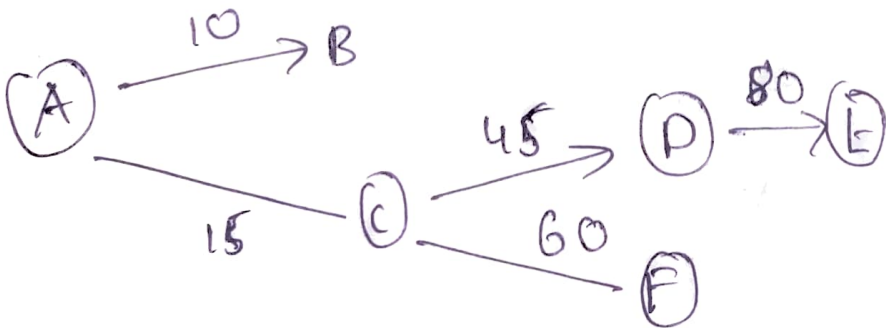
$$S = \{A, B, C\}$$

$$D = [0, 10, 15, 45, \text{INF}, 60]$$



$$S = \{A, B, C, D, F\}$$

$$D = \{0, 10, 15, 45, 80, 60\}$$



$$S = \{A, B, C, D, E, F\}$$

$$D = \{0, 10, 15, 45, 80, 60\}$$

$$A \rightarrow B = 10$$

$$(A) \xrightarrow{10} (B)$$

$$A \rightarrow C = 15$$

$$(A) \xrightarrow{15} (C)$$

$$A' \rightarrow D = 45$$

$$(A) \xrightarrow{15} (C) \xrightarrow{30} (D)$$

$$A \rightarrow E = 80$$

$$(A) \xrightarrow{15} (C) \xrightarrow{30} (D) \xrightarrow{35} (E)$$

$$A \rightarrow F = 60$$

$$(A) \xrightarrow{15} (C) \xrightarrow{45} (E)$$