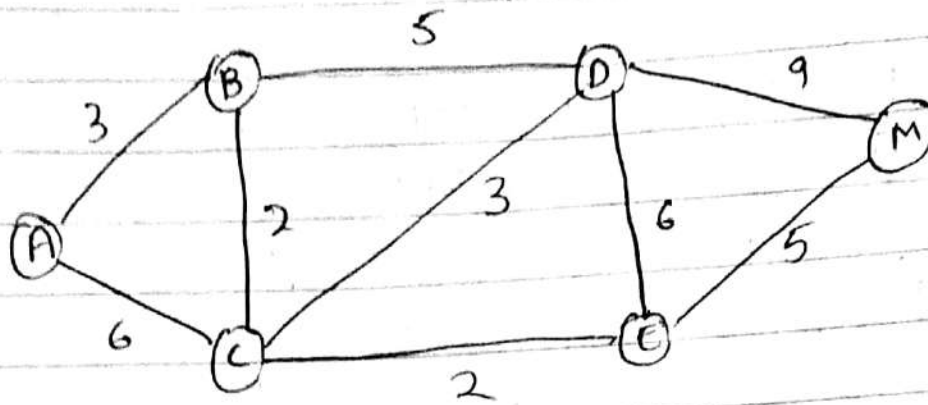
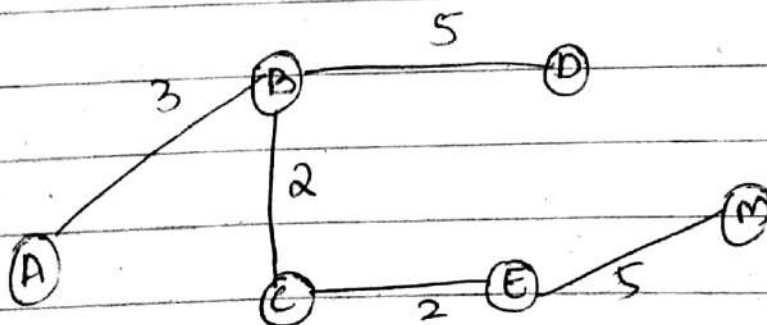


Dijkstra's / Link State / OSPF

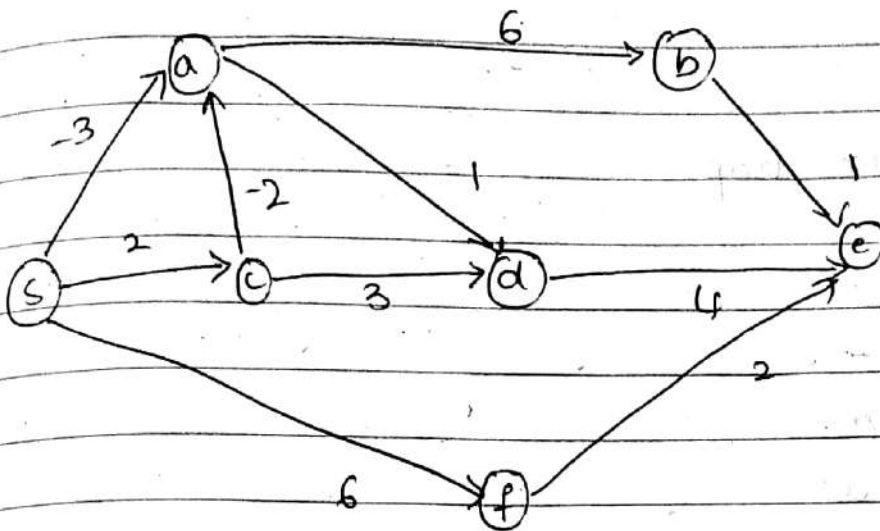


Source = A.

	B	C	D	E	M
A	(3)	6	∞	∞	∞
AB	-	(5)	8	∞	8
ABC	-	-	8	(7)	8
ABCE	-	-	(8)	-	12
ABCED	-	-	-	-	(12)



RIP / Bellman Ford / Distance Vector.



Step 1: Exchange "HELLO" packets with immediate neighbors and fill the link state table.

S's table

Source Address = s

Dest	Cost	next hop
a	-3	-
c	2	-
f	6	-

Similarly others,

A's table.

c's table

F's table

Dest	Cost	next hop
b	6	-
d	1	-

Dest	cost	hop
d	3	-

Dest	cost	hop
e	2	-

So on.

Step 2: Exchange with neighbors link-state table

S with A.

dest	cost	next hop
a	-3	-
c	2	-
f	6	-
b	3	a
d	-2	a

S with C

dest	cost	next hop
------	------	----------

" same continues.

S with f.

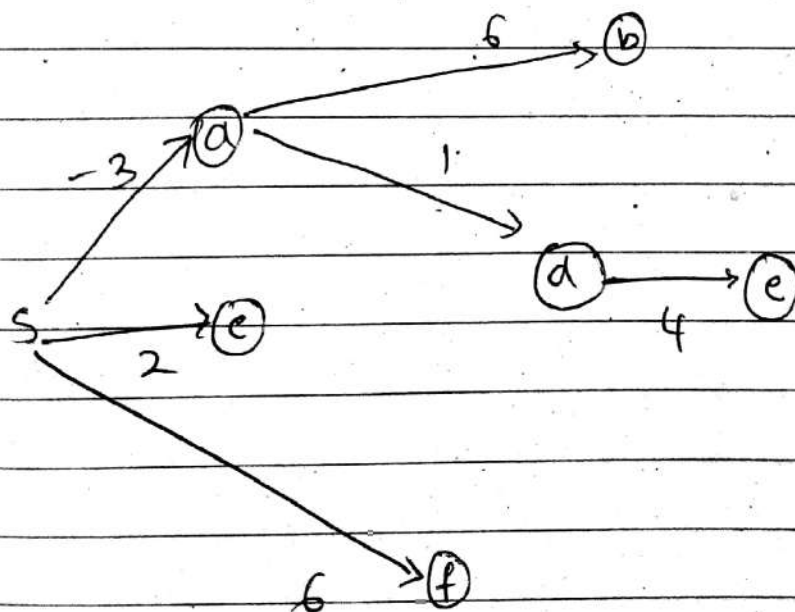
same
+

e 8 f.

Final S's table

S	0	-
a	-3	-
c	2	-
b	3	a
e	9	a, d
f	6	-
d	-2	a

	a	b	c	d	e	f
s	$\ominus 3$	∞	2	∞	∞	6
sa	-	3	2	$\ominus 2$	∞	6
sad	-	2	$\ominus 2$	-	2	6
sadc	-	3	-	-	$\ominus 2$	6
sadce	-	$\ominus 3$	-	-	-	6
sadceb	-	-	-	-	-	6



$$\text{Slotted} = Np * p(1-p)^{N-1}$$

$$\text{Aloha} - Np * p(1-p)^{2(N-1)}$$