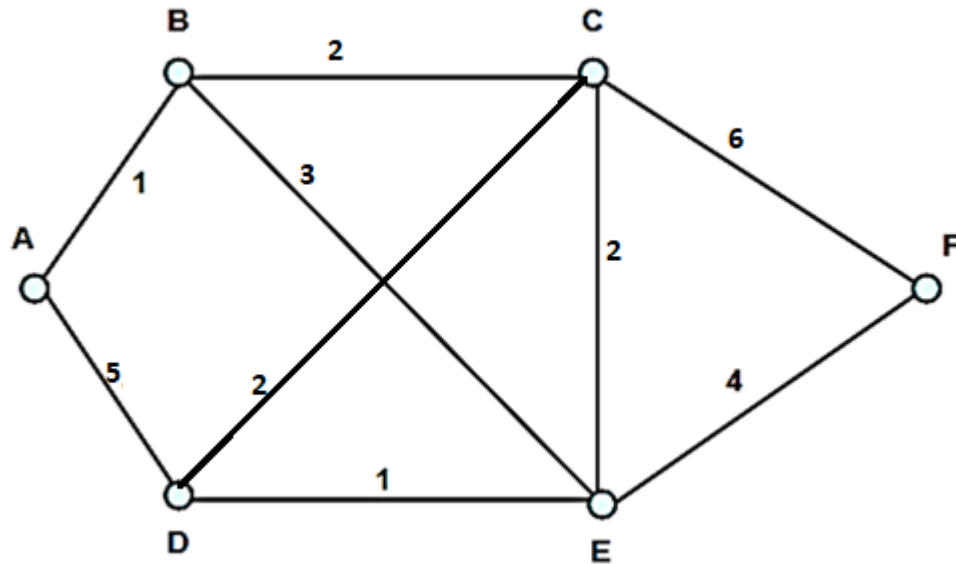


Consider the network shown below, where the numbers on the edges indicate the cost of using that edge. For example, the cost of using the link from Router A to Router B is 1, whereas the cost of using the link from Router A to Router D is 5. Calculate the Routing table for all routers.



From A	Link	Cost	Distance
A	Local	0	0
B	1	1	1
C	1	2	3
D	5	1	5
E	1	2	4
F	1	3	8

From B	Link	Cost	Distance
B	Local	0	0
A	1	1	1
C	2	1	2
D	2	2	4
E	3	1	3
F	3	2	7

From C	Link	Cost	Distance
C	Local	0	0
A	2	2	3
B	2	1	2
D	2	1	2
E	2	1	2
F	6	1	6

From D	Link	Cost	Distance
D	Local	0	0
A	5	1	5
B	2	2	4
C	2	1	2
E	1	1	1
F	1	2	5

From E	Link	Cost	Distance
E	Local	0	0
A	3	2	4
B	3	1	3
C	2	1	2
D	1	1	1
F	4	1	4

From F	Link	Cost	Distance
F	Local	0	0
A	4	3	8
B	4	2	7
C	6	1	6
D	4	2	5
E	4	1	4