- (b) Show the routing table of node E after one iteration of the algorithm, i.e., every node sends its distance vector to its neighbor

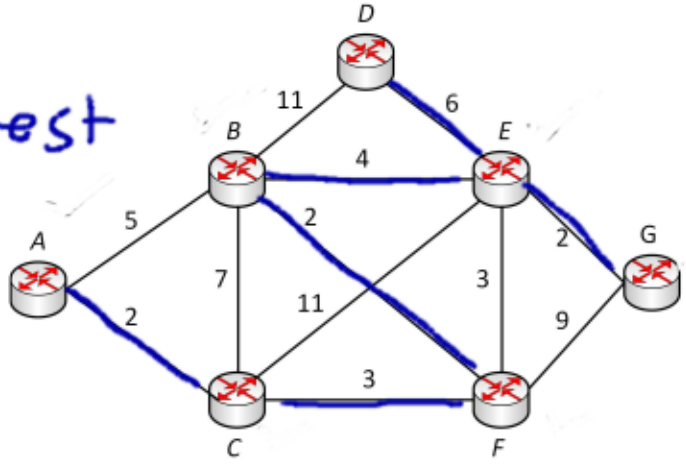
Destination	Cost	Next Hop
A	14	D
B	9	B
C	11	B
D	13	B

- (c) Show the routing table of node E after two iterations of the algorithm

Destination	Cost	Next Hop
A	14	A
B	9	B
C	11	C
D	13	D

Problem 12 [15 Points]: Consider the following network. With the indicated link costs, use Dijkstra's shortest-path algorithm to compute the shortest path from A to all network nodes. Show how the algorithm works by computing the table below.

Shortest Path



Step	N'	$D(B), p(B)$	$D(C), p(C)$	$D(D), p(D)$	$D(E), p(E)$	$D(F), p(F)$	$D(G), p(G)$
1	A	10 A	2A	-	-	-	-
2	AC	9C	-	-	-	5C	-
3	ACF	7F	-	-	8F	-	14F
4	ACFB	-	-	18F	12F	-	-
5	ACFBE	-	-	17E	-	-	13F
6							
7							
8							