

HW #2 : CSE160-4

3.46.

Step	Confirmed	Tentative
1	D(0,-)	A(8,A), E(2,E)
2	D(0,-)	A(8,A), C(3,E), B(4,E)
3	D(0,-); E(2,E)	A(6,E), B(4,E), F(3,E)
4	D(0,-), E(2,E), C(3,E)	A(6,E), F(9,E)
5	D(0,-), E(2,E), C(3,E), B(4,E)	F(9,E)
6	D(0,-), E(2,E), C(3,E), B(4,E), A(6,E)	
7	D(0,-), E(2,E), C(3,E), B(4,E), A(6,E), F(9,E)	
	done	

3.52. a) - The nodes that C will reach to report failure for node A as follows

Destination	Cost	Next hop
B		
C	3	C
D		
E		
F	9	C

- table illustrates the nodes E will reach to report failure for node B as follows:

Dest	cost	Next hop
A		
C		
D	4	E
E	2	E
F		

The table that nodes E will reach to report failure for node D

Dest	Cost	Next hop
A		
B	4	E
C		
E	2	E
F		

The nodes C will reach to report failure for node F

dest	cost	Next hop
A	9	C
B		
C	6	C
D		
E		