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	Step 3:							
v=B	Both E&B have least cost path is step 2. Have to determine the least cost path of remaining vertices through E. , w = E D(B) = min(p(B), p(E) + c(E,B)) = min(2, 2+0) = min(2, 0) Shortest path from A to B is 2.							
V= ($(, w = E)$ $D(B) = \min(p(i), P(E) + c(E, C))$ $= \min(4, 2 + 1)$ $= \min(4, 3)$ $\therefore \text{ shortest path from } A \text{ to } C \text{ is } 3$							
V= \$	$F, \omega = E$ $D(B) = \min(D(F), D(E) + c(EF))$ $= \min(\omega, 2 + 2)$ $= \min(\omega, 4)$ $Shortest path from A to F is 4$							
Step	N	D(B),P(B)	D(c), P(c)	p(p), P(o)	D(E), P(E)	D(E), P(E		
1	A	2, A	5, A	1, A	<i>Ø</i>	0		
2	AD	2, A	4, D	2 4	2, D	00		
3	ADE	2,4	3, E		ASUA	4, E		

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	Step 4: B vertex has least cost poth in step 3. It is added in N. Now, need to determine the least cost path of remaining vertexices through B.						
-	v = C, $w = BP(B) = \min(p(C), P(B) + C(B, C))= \min(3, 2 + 3)= \min(3, 5). Shortest path from A to C is 3$						
v= F,	$vos B$ $p(B) = min(D(F), D(B) + c(B, F))$ $= min(4, \infty)$ $= min(4, \infty)$ $= min(4, \infty)$ $= shortest path from A to F is 4.$						
step	N	b(B), P(B)	p(c), P(c)	p(D), P(D)	p(E), p(E)	p(F), P(F)	
1	A	2, A	5, A	1, A	00	00	
2	AD	2, A	4, D		2,0	00	
3	ADE	2, A	3,E			4,8	
4	ADEB		3, E		394	4, €	

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	_	90p5:						
		C vertex has the least cost path in step 4. it is added to N. Now, need to determine least cost path of remaining vertices through C.						
		$V=F, \omega=C$ $D(8) = \min (D(F), D(c) \neq C(C,F))$ $= \min (4,3+5)$ $= \min (4,8)$ $= \sinh (4,8)$ $= \sinh (4,8)$ $= \sinh (4,8)$						
ste	ρ	N	D(B), P(B)	D(c), P(c)	D(D), P(1	D(E),	P(E)	
	5	ADE	36	3 <u>F</u>		4,	E	
Final table:								
step	~ "	N	D(B),P(B)	D(c),P(c)	0(0), P(0)	D(E), P(E)), 0 (F	
1	P		2, A	5,A	1, A	00	2	
2	A	D	2,A	4,0		20	00	
3	P	DE	2,A	3,E			4, 5	
9	A	DEBO		312			4E	
5	A	DEBC					4,8	
6	A	DEBLE						