D)

N	A	B	C	D	F	G	H
E	∞	∞	3, E	2, E	2, E	∞	∞
E, D	∞	11, D	3, E		2, E	3, D	∞
E, D, F	∞	11, D	3, E			3, D	∞
E, D, F, C	7, C	5, C			3, D	∞	
E, D, F, C, G	7, C	5, C				16, G	
E, D, F, C, G, B	6, B					7, B	
E, D, F, C, G, B, A						7, B	
E, D, F, C, G, B, A, H							

2)

Destination	Distance	Route	Reason
Net 6	7+3=10	Gate J	New entry
Net 24	2+3=5	Gate J	Update info from same gate & a faster route
Net 43	2+3=5	Gate J	Update info from same gate

3) i) 7 ii) 7 iii) ∞ iv) ∞

v) ∞ vi) 5 vii) ∞ viii) ∞

ix) A - B - D - C x) ∞ xi) 11

xii) D - A - B - D - C xiii) 14

4) Y : (6, 0, 5)

X : (0, 6, 11)

Y : (6, 0, 17)

X : (6, 0, 23)

Y : (6, 0, 29)

X : (6, 0, 35)

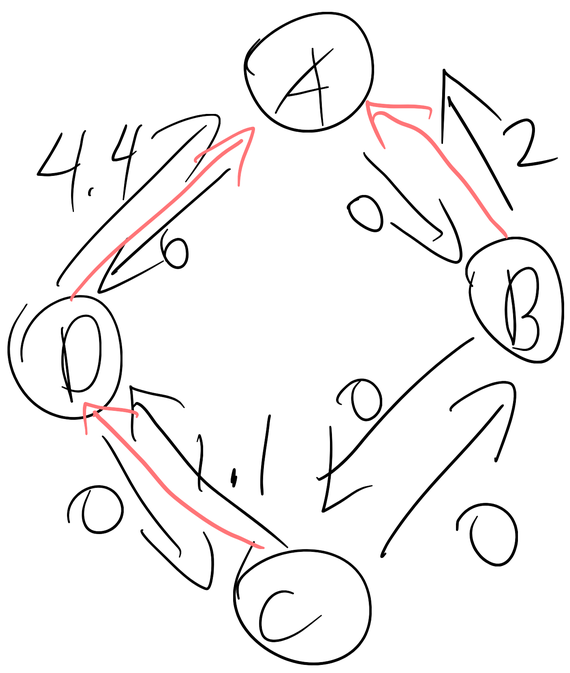
Y : (6, 0, 41)

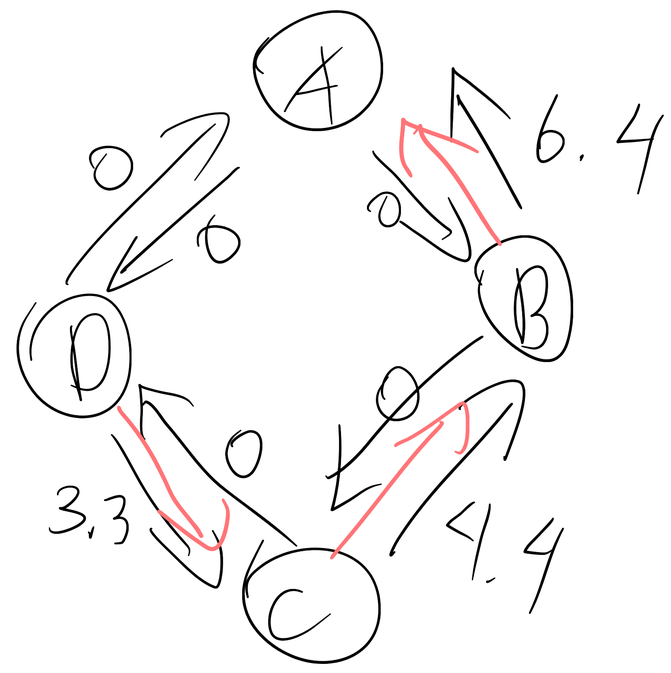
X : (6, 0, 37)

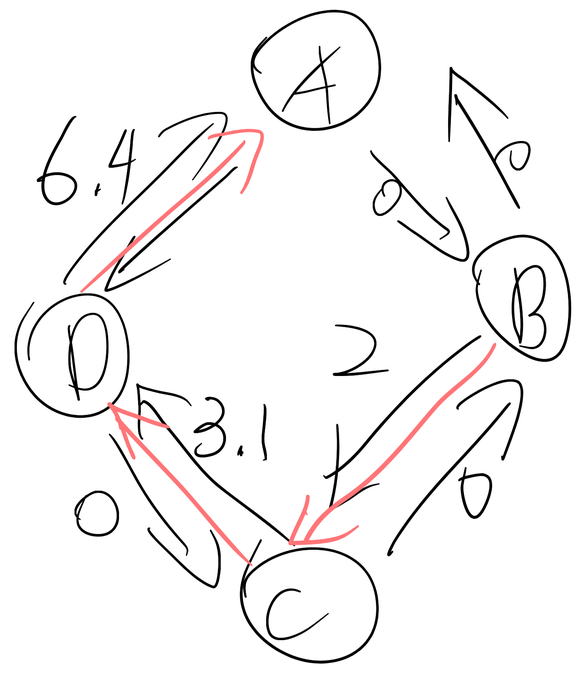
Y : (6, 0, 43)

X : (6, 0, 37)

5)







6) i) False, X is B's customer so it gets "revenue" from advertising the route.

ii) True, W gets no "revenue" from advertising the route.

iii) True, A gets no "revenue" from advertising the route Since neither 'B' or 'X' is A's customer.

iv) False, W is A's customer so it gets "revenue" from advertising the route.