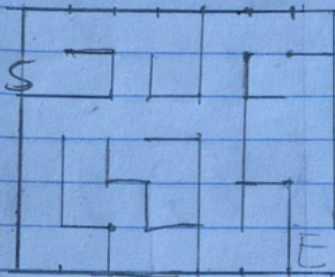
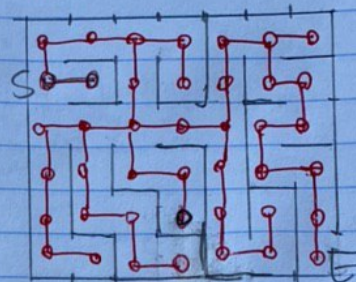


Q7:

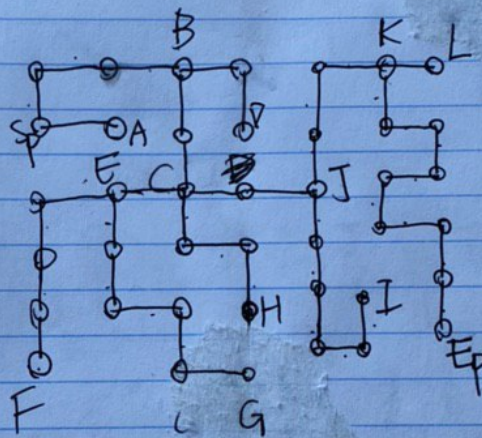
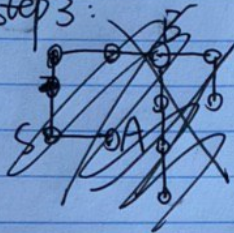
Step 1:



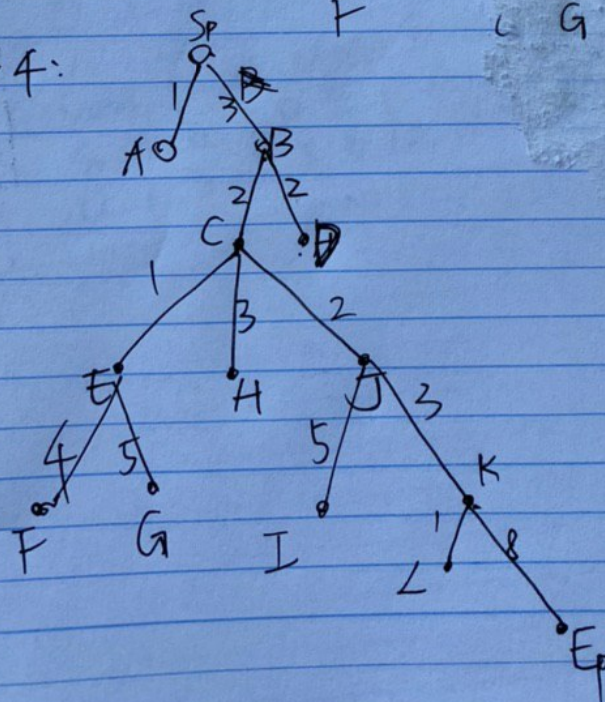
Step 2



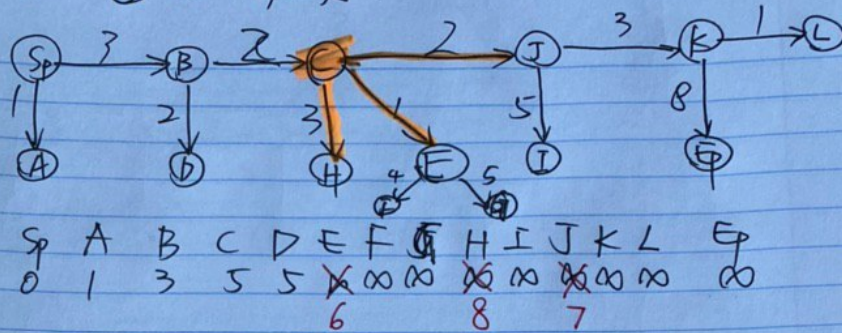
Step 3:



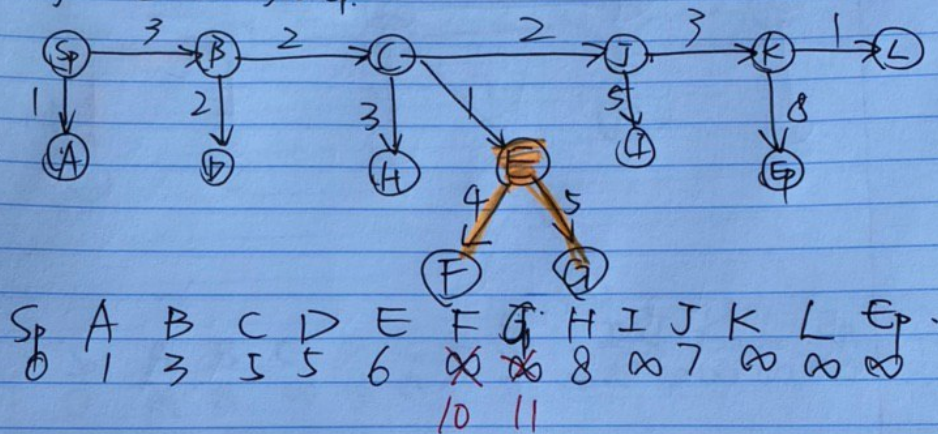
Step 4:



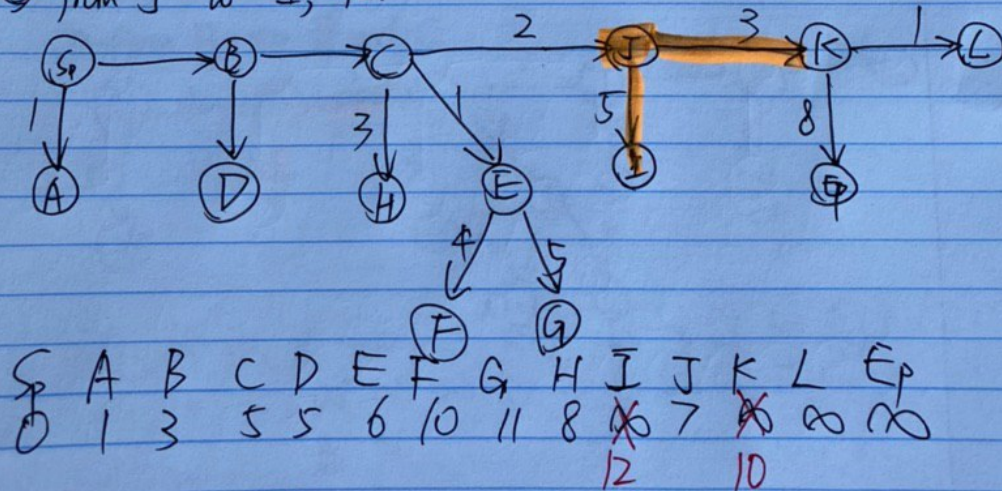
③ from C to H, E, J.



④ from E to F, G.



⑤ from J to I, K.



⑥ Same process, from K to Ep, L.

Sp	A	B	C	D	E	F	G	H	I	J	K	L	Ep
0	1	3	5	5	6	10	11	8	12	7	10	∞	∞
												11	18

We end at Ep
so the shortest
distance is 18