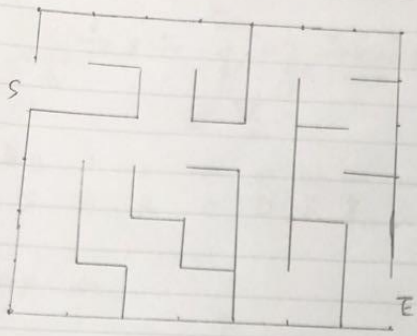
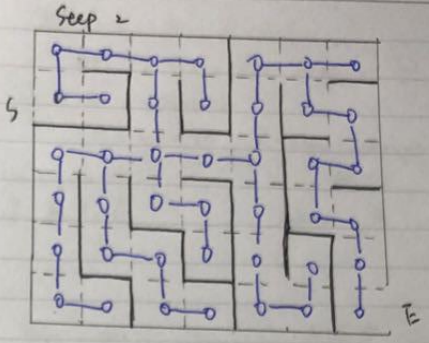
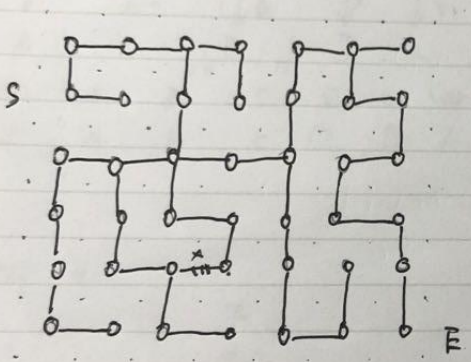
Q7 Step 1



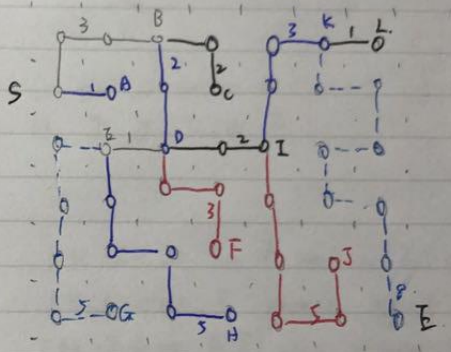
Step 2



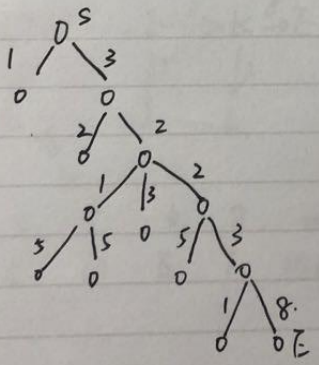
Step 3.



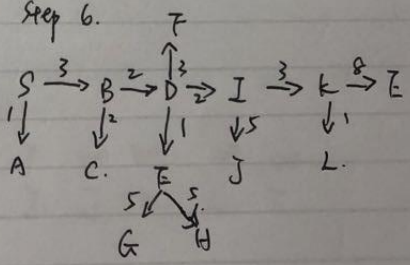
Step 4



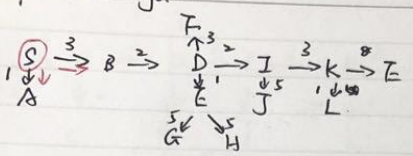
Step 5



Step 6.



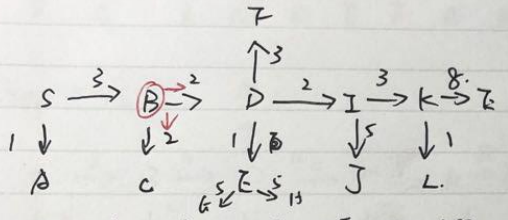
Step 7 cycle.



First go A & B.
0+1 = 1 < ∞, but A do not go to E so pass it.
0+3 = 3 < ∞, B value changed to 3.
choose B.

	0	1	3	∞	∞	∞	∞	∞	∞	∞	∞	∞	∞	∞
S	A	B	C	D	E	F	G	H	I	J	K	L	E	

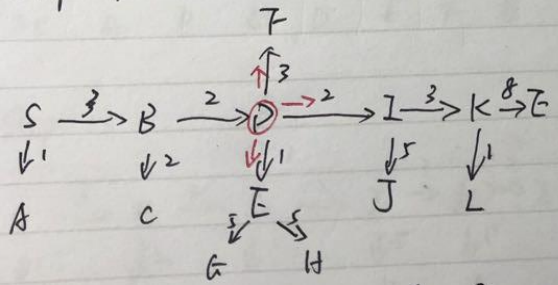
Step 8.



Then go B to C & D.
3+2 = 5 < ∞, But C not to E, pass C
3+2 = 5 < ∞, D value change to 5
choose D

	0	1	3	5	5	∞	∞	∞	∞	∞	∞	∞	∞	∞
S	A	B	C	D	E	F	G	H	I	J	K	L	E	

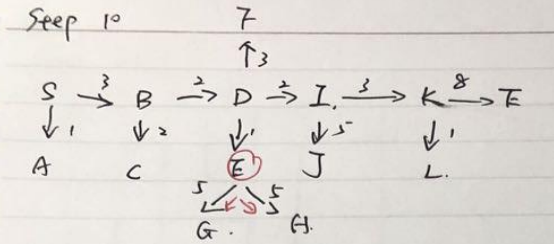
Step 9



5+3 = 8 < ∞, But F not to E, pass F
5+1 = 6 < ∞, E change to 6
5+2 = 7 < ∞, to I value change to 7.

	0	1	3	5	5	6	8	∞	∞	7	∞	∞	∞	∞
S	A	B	C	D	E	F	H	G	H	I	J	K	L	E

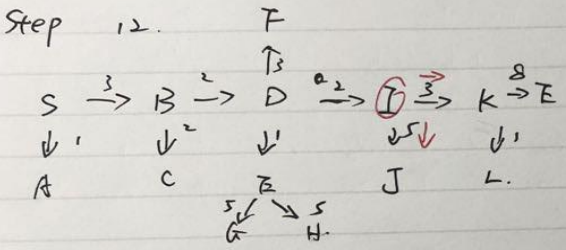
Step 10



6+5 = 11 < ∞, But G not to E
Pass G
6+5 = 11 < ∞, But H not to E
Pass H

S	A	B	C	D	E	F	G	H	I	J	K	L	E
0	0	1	3	5	6	8	11	11	7	∞	∞	∞	∞

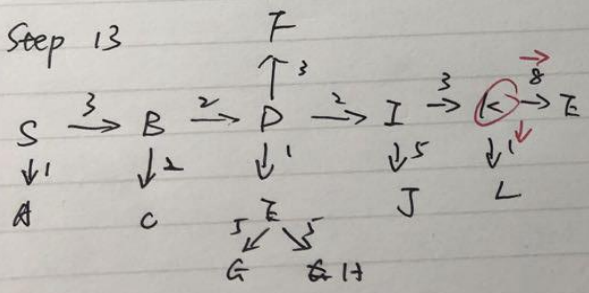
Step 12.



7+3 = 10 < ∞, K value change to 10
7+5 = 12 < ∞, J value change to 12
But J not E, pass J
Choose K.

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

Step 13



10+1 = 11 < ∞, L value change to 11,
But L not to E. Pass L.
10+8 = 18 < ∞, E value change to 18
Choose E

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

S → B → D → I → K → E

End.