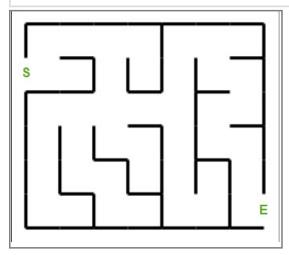
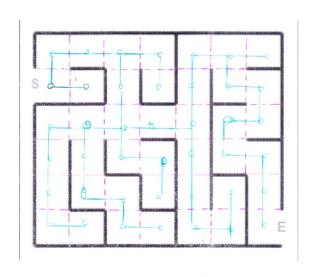
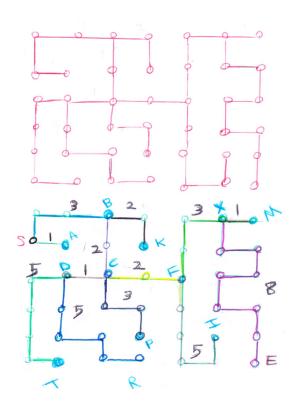
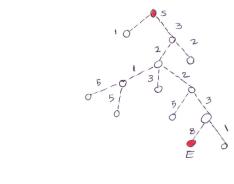
Question 7:Use Bellman Ford Algorithm to find the shortest path of the the following maze

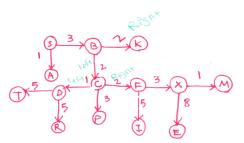


- References
 - <u>Maze</u>
 - Shortest Path



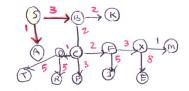






ydelel



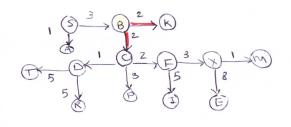


AS you know 0/1/04 > A's value changed to 1, from A those is not path to get b,

and 0+3 (a) > B's value changed to 3

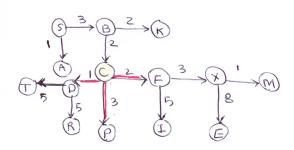
SABCKPDFRTIXME
013 A A A A A A A A A A A A A





AS 3+2=5 < 00 , k's value Champed +0 F, From C +0 E there is not path to get E, AS 3+2=5 < 00 , C'S value champed to F



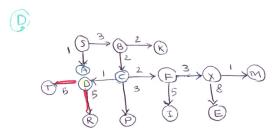


SAB CKPDFRTIXME . 13 558 67 00 00 00 00 00

As $5+1=6 \Rightarrow 6 < \infty$, D'sualve changed to 6

As $5+2=7 \Rightarrow 7 < \infty$, F's value changed to 7

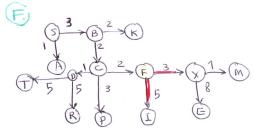
As 5+3= \Rightarrow P's value Changed to 8, \Rightarrow From P (we have not Path to get E.



S A B C K P D F R T I X M E

As 5+6=11<0 , T's value changed to 11, But there is not anyway from T to get E.

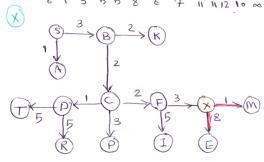
AS 5+6=11<00, R Svalue charged to 11, 13 of there is not anyway from RTOE



S ABCKPDF RTIX ME
6 1 3 5 5 8 6 7 11 11 12 10 00 00

As 7+5=12 < , I's value changed to 12, but there is no way Fem I to E .

A's 7+3=10<00 > x's value >>10



S A B C K P D F RT I X M E . 1, 3 5 5 8 6 7 11 11 12 10 11 18

As $10+1=11<\infty$, $m \le value changed$ to 11, but noway to get From m to E

AS 108 \$ 18 < ad , E'S value changed to 18 , we are in the End

The process End at Eyele one As there are no vertices to change.

