## CS303 HW4

## Nofil Iqbal 28631

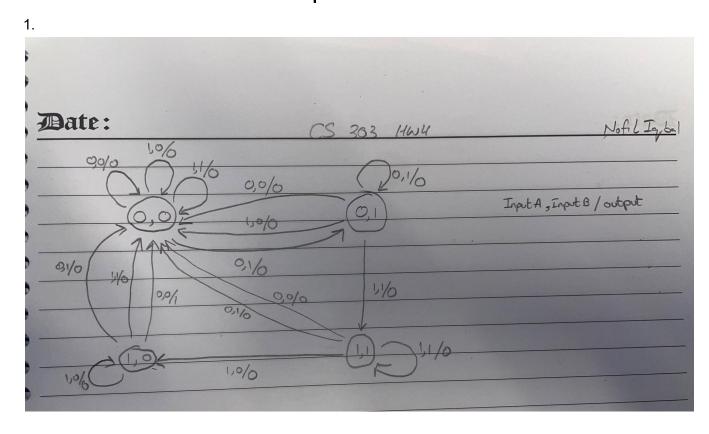


			Table			,
File New Edit Create K-Map						
A	В	Q1n	Q0n	Q1n+1	Q0n+1	OUT
0	0	0	0	0	1	0
0	0	0	1	0	0	0
0	0	1	0	0	0	0
0	0	1	1	0	0	1
0	1	0	0	0	1	0
0	1	0	1	0	0	0
0	1	1	0	0	0	0
0	1	1	1	0	0	0
1	0	0	0	0	0	0
1	0	0	1	0	0	0
1	0	1	0	1	1	0
1	0	1	1	1	1	0
1	1	0	0	0	0	0
1	1	0	1	1	0	0
1	1	1	0	1	0	0
1	1	1	1	0	0	0

 $Q_{1}^{n+1} = (A \wedge B \wedge Q_{1}^{n}) \vee (A \wedge B \wedge Q_{1}^{n} \wedge Q_{0}^{n}) \vee (A \wedge B \wedge Q_{1}^{n} \wedge Q_{0}^{n}) \vee (A \wedge B \wedge Q_{1}^{n} \wedge Q_{0}^{n})$   $Q_{0}^{n+1} = (A \wedge Q_{0}^{n} \wedge Q_{1}^{n}) \vee (A \wedge B \wedge Q_{1}^{n}) \vee (A \wedge B \wedge Q_{1}^{n})$   $Q_{0}^{n+1} = (A \wedge Q_{0}^{n} \wedge Q_{1}^{n}) \vee (A \wedge B \wedge Q_{1}^{n})$   $Q_{0}^{n+1} = (A \wedge Q_{0}^{n} \wedge Q_{1}^{n}) \vee (A \wedge B \wedge Q_{1}^{n})$   $Q_{0}^{n+1} = (A \wedge Q_{0}^{n} \wedge Q_{1}^{n}) \vee (A \wedge B \wedge Q_{1}^{n})$   $Q_{0}^{n+1} = (A \wedge Q_{0}^{n} \wedge Q_{1}^{n}) \vee (A \wedge B \wedge Q_{1}^{n})$   $Q_{0}^{n+1} = (A \wedge Q_{0}^{n} \wedge Q_{1}^{n}) \vee (A \wedge B \wedge Q_{1}^{n})$   $Q_{0}^{n+1} = (A \wedge Q_{0}^{n} \wedge Q_{1}^{n}) \vee (A \wedge B \wedge Q_{1}^{n})$   $Q_{0}^{n+1} = (A \wedge Q_{0}^{n} \wedge Q_{1}^{n}) \vee (A \wedge Q_{0}^{n} \wedge Q_{1}^{n})$