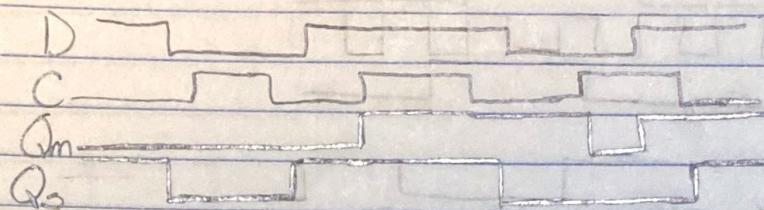


03/27/22 Homework 07: D₅ T flip-flop

1)

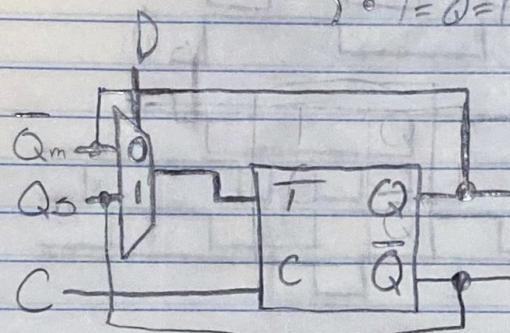


2) $D \bar{E}F$

- $C=1; Q=D$
- $C=0; Q=Q$

$\left\{ T \bar{E}F$

- $T=G=0; D=0$
- $T=0; Q=1; D=1$
- $T=1; Q=0; D=1$
- $T=0=1; D=0$



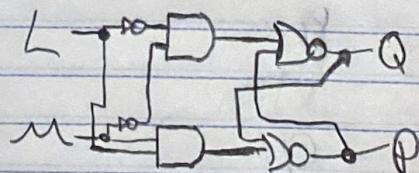
3)

S	R	Q	P
0	0	0/1	1/0
0	1	0	1
1	0	1	0
1	1	undesirable	

L	M	S	R
0	0	0	1
0	1	0	0
1	0	0	0
1	1	1	0

$$\Rightarrow R = \bar{L}M \quad c)$$

$$S = LM$$



4)

