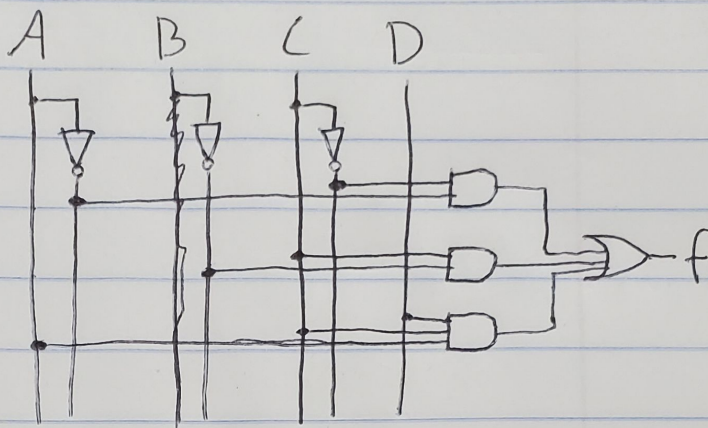


ECE 543

1.

	$\bar{C}\bar{D}$	$\bar{C}D$	CD	$C\bar{D}$
$\bar{A}\bar{B}$	1	1	1	1
$\bar{A}B$	1	1	0	0
AB	0	0	0	1
$A\bar{B}$	0	0	1	1

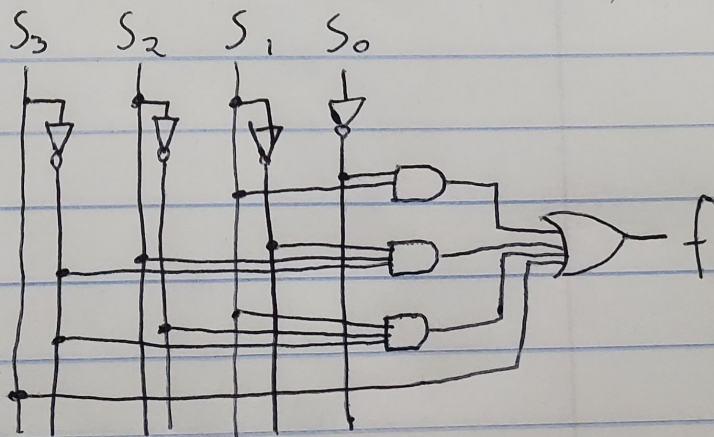
$$\bar{A}\bar{C} + \bar{B}C + ACD$$



2.

	$\bar{S}_1\bar{S}_0$	\bar{S}_1S_0	$S_1\bar{S}_0$	S_1S_0
$\bar{S}_3\bar{S}_2$	0	0	1	1
\bar{S}_3S_2	1	1	0	1
$S_3\bar{S}_2$	d	d	d	d
S_3S_2	1	1	d	d

$$S_3 + S_1\bar{S}_0 + \bar{S}_3S_2\bar{S}_1 + \bar{S}_3\bar{S}_2S_1$$



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