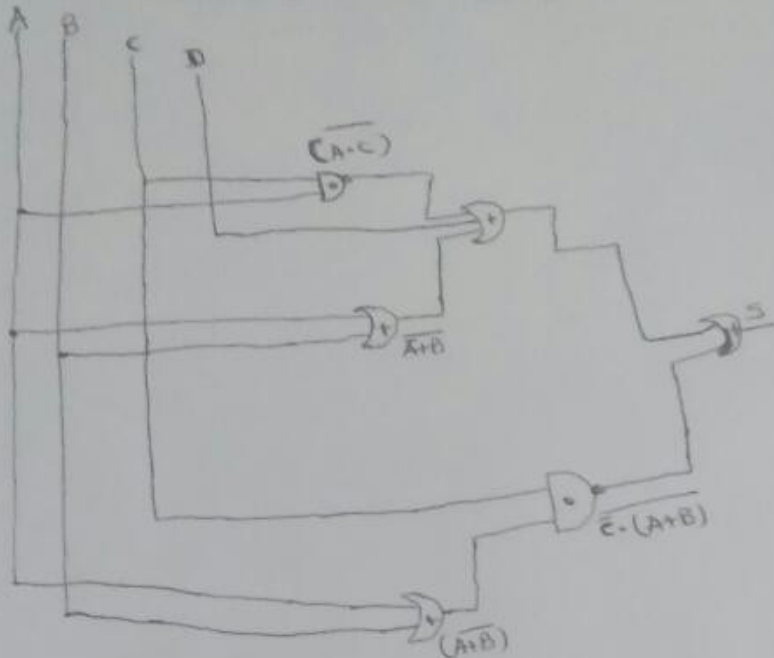


KERBY LOVINCE

$$1) S = (\overline{A \cdot C}) + D + \overline{A+B} + \overline{C} \cdot (A+B)$$



6) 1

A	B	C	D	\overline{A}	\overline{C}	$(\overline{A \cdot C}) + D$	$\overline{A+B}$	$\overline{C} \cdot (A+B)$	S
0	0	0	0	1	1	1	0	1	1
0	0	0	1	1	1	1	0	1	1
0	0	1	0	1	0	1	0	1	1
0	0	1	1	1	0	1	0	0	0
0	1	0	0	1	1	1	0	0	0
0	1	0	1	1	1	1	0	1	1
0	1	1	0	1	0	1	0	1	1
0	1	1	1	1	0	1	0	0	0
1	0	0	0	0	1	1	0	1	0
1	0	0	1	0	1	1	0	1	1
1	0	1	0	0	0	0	0	1	1
1	0	1	1	0	0	1	0	0	0
1	1	0	0	0	1	1	0	0	0
1	1	0	1	0	1	1	0	0	0
1	1	1	0	0	0	0	1	1	1
1	1	1	1	0	0	1	0	1	1

Exo II

A) $S = ((\bar{A} \cdot D) + (\bar{B} + D)) + ((\bar{B} \cdot C) + (\bar{A} + D))$

B)

A	B	C	D	\bar{A}	\bar{B}	\bar{D}	$(\bar{A} \cdot D)$	$+ (\bar{B} \cdot D)$	$+ (\bar{B} \cdot C)$	$+ (\bar{A} + \bar{D})$
0	0	0	0	1	1	1	0	0	0	0
0	0	0	1	1	1	0	1	1	0	1
0	0	1	0	1	1	1	0	0	1	1
0	0	1	1	1	1	0	1	1	1	1
0	1	0	0	1	0	1	0	1	1	0
0	1	0	1	1	0	0	1	1	0	1
0	1	1	0	1	0	1	0	1	1	0
0	1	1	1	1	0	0	1	1	0	1
1	0	0	0	0	1	1	0	0	0	0
1	0	0	1	0	1	0	0	0	0	0
1	0	1	0	0	1	1	0	0	1	1
1	0	1	1	0	1	0	0	0	1	1
1	1	0	0	0	0	1	0	1	1	0
1	1	0	1	0	0	0	0	0	0	0
1	1	1	0	0	0	1	0	1	1	0
1	1	1	1	0	0	0	0	0	0	0

Exo II

A) $S = ((\bar{A} \cdot D) + (\bar{B} + D)) + ((\bar{B} \cdot C) + (\bar{A} + D))$

B)

[illegible]