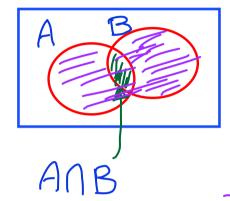
سمالت غاص میر بول: چیر سمعیما، جیرتزاره ها (= منطق دودوی)، حیر ویکوها

مودار ون



AUB = BUA

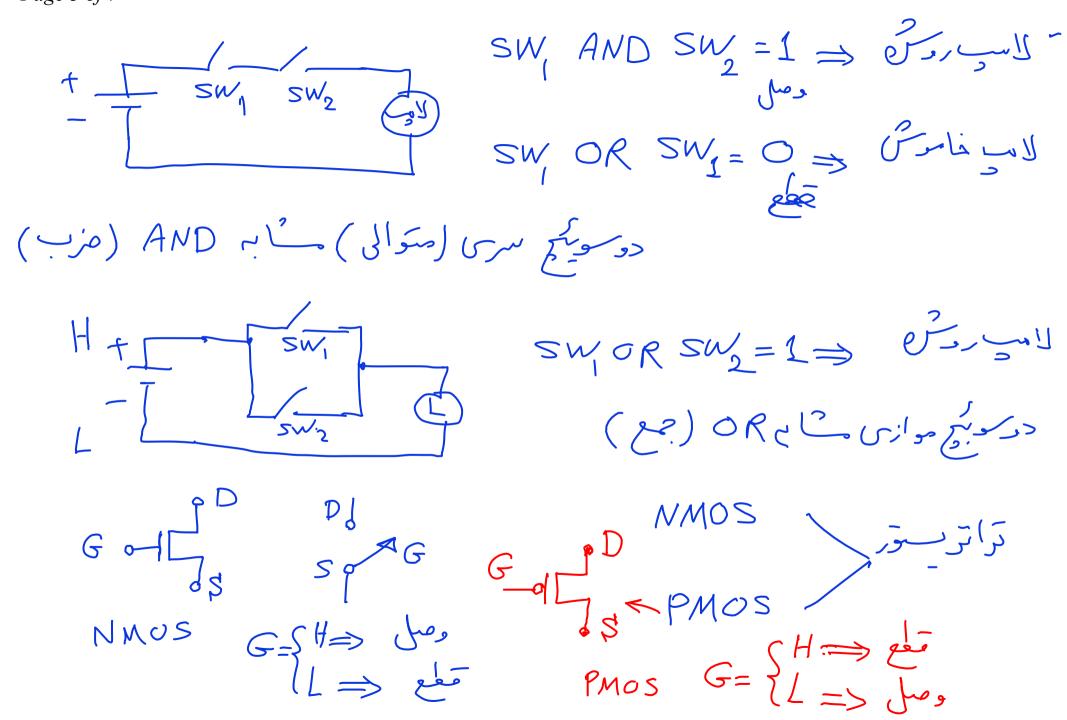
 $A+(B\cdot C)=(A+B)\cdot (A+C)$

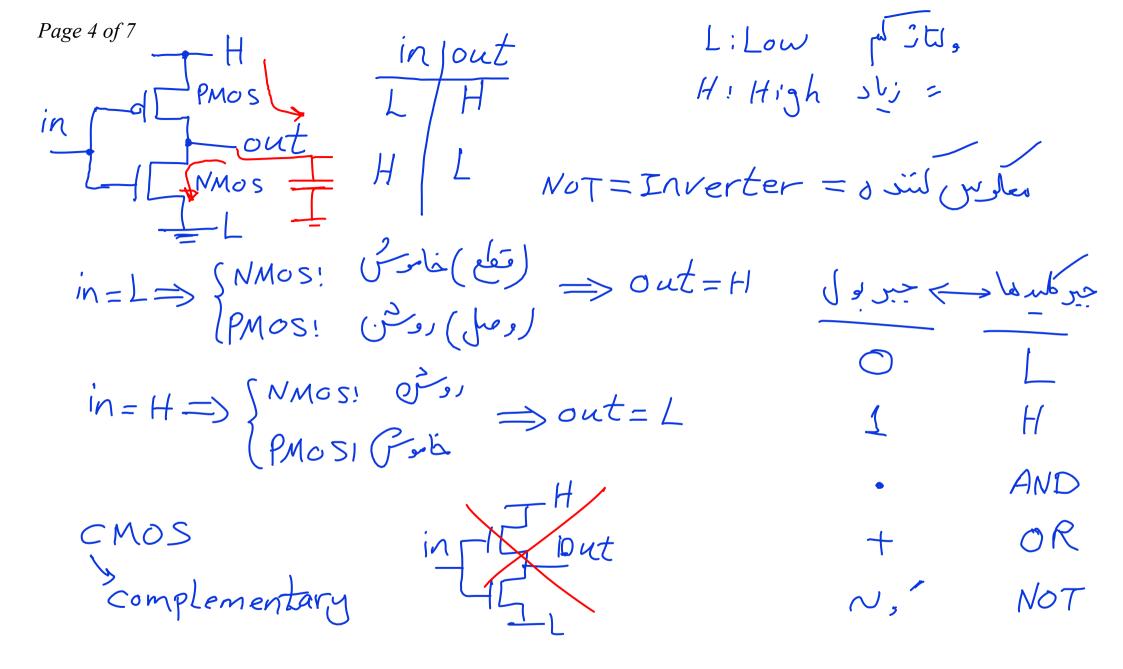
AU(BNC) = (AUB)N(AUC)

حر بحومها: جبر يول + <-> U: 5/201 اشتراك: () <>> 1 >> M: 200 a 200 False=F - si

ب (مزب)	> AND= 's
(22) + <	

switching Algebra legists SW= { Jus= 1 =>>2000 = 100 } Longial of 20 = 0 = 320 Coming of the second





استغیر کے تابع جزا Page 5 of 7 f=0, f=1 V, V, Vf=0, f=1, $e^{it} = -ie$ f(a,b,...,) f(A) = A, f(A) = A'AB | fo f, f2 f3 f4 f5 f6 f7 f8 f9 f10 f1, f12 f13 f14 f15 $f_0 = 0$ $f_1 = A.B$ $f_2 = A.B$ $f_3 = A$ $f_4 = A.B$ $f_5 = B$ $f_6 = ABB$ $f_7 = A+B$ buffer $f_0 = 0$ $f_1 = A.B$ $f_2 = A.B$ $f_3 = A$ buffer $f_4 = A.B$ $f_5 = B$ $f_6 = ABB$ $f_7 = A+B$ $f_8 = A.B$ $f_8 = A.B$ Page 6 of 7 fo: Exclusive-OR = Ex-OR fz: Inclusive_OR ل انحماری =XOR $f = A \oplus B$ ABBC -> Good Line XOR Lives XOR Lives Less Lives Lives XOR Lives Less Lives Li ApiH (1) I De vier every of De H omie vier fin. XOR = odd function تاجع فرد $f_g: \stackrel{A}{\to} \to 0 = \stackrel{A}{\to} = \stackrel{A}{\to} \to 0 = \stackrel{A}{\to} \to 0$ (16, 2): (A+B) = A.B B. A.B

$$\begin{array}{c}
A \\
B
\end{array}$$

$$\begin{array}{c}
A \\
\hline
\end{array}$$

$$A \\
\begin{array}{c}
A \\
\hline
\end{array}$$

$$A \\
\begin{array}{c}
A \\
\hline
\end{array}$$

$$A \\
\begin{array}{c}
B \\
\end{array}$$

$$f_{\parallel = A + \overline{B}} \quad (B \Rightarrow A)$$

$$f_{11} \cdot f_{13} \quad (A \Rightarrow B) \Rightarrow A \Leftrightarrow B$$

$$(B \Rightarrow A) \Rightarrow A \Rightarrow B$$

$$f_2 = f_{13} \longrightarrow f_2: N(A \Longrightarrow B)$$

$$= A \longrightarrow A \cap B$$