

1) Alexandre Paques e Henrique Coelho

a)

$A_0$	$B_0$	$I_g$	$M_a$	$M_e$
0	0	1	0	0
0	1	0	0	1
1	0	0	1	0
1	1	1	0	0

b)

$I_g$	$\bar{A}_0$	$A_0$
$\bar{B}_0$	(1)	0
$B_0$	0	(1)

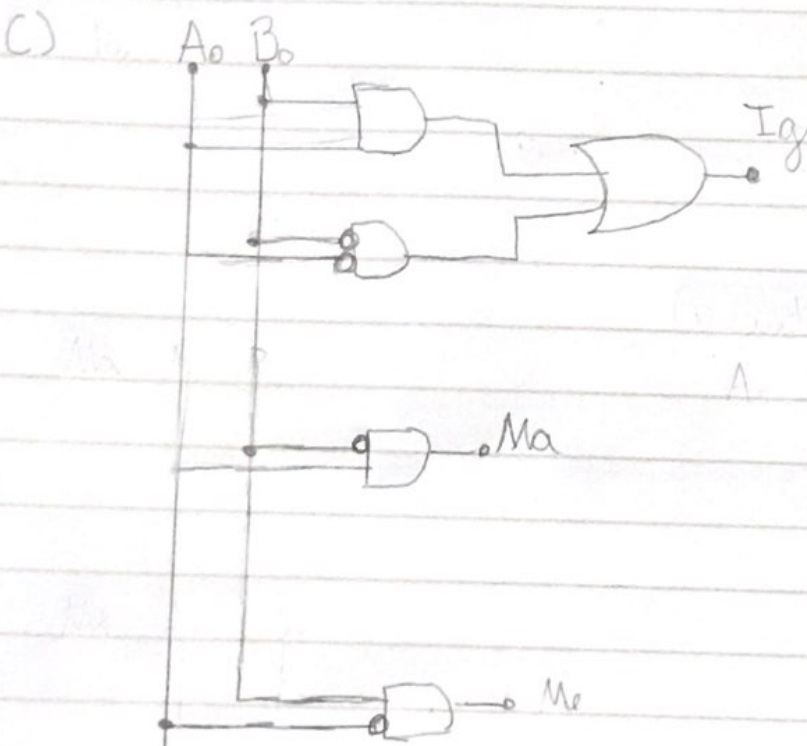
$M_a$	$\bar{A}_0$	$A_0$
$\bar{B}_0$	0	(1)
$B_0$	0	0

$M_e$	$\bar{A}_0$	$A_0$
$\bar{B}_0$	0	0
$B_0$	(1)	0

$$I_g = \bar{A}_0 \bar{B}_0 + A_0 B_0$$

$$M_a = A_0 \bar{B}_0$$

$$M_e = \bar{A}_0 B_0$$



2 Parte)

"LOW"	$\rightarrow$	$\rightarrow$	$A_3$	$B_3$	$\rightarrow$	$\rightarrow$	$A_2$	$B_2$	$\rightarrow$	$\rightarrow$	$A_1$	$B_1$	$\rightarrow$	$\rightarrow$	$A_0$	$B_0$	$\rightarrow$	$A > B$
"HIGH"	$\rightarrow$	$=$	$=$	$=$	$\rightarrow$	$=$	$=$	$=$	$\rightarrow$	$=$	$=$	$=$	$\rightarrow$	$=$	$=$	$=$	$\rightarrow$	$A = B$
"LOW"	$\rightarrow$	$<$	$<$	$<$	$\rightarrow$	$<$	$<$	$<$	$\rightarrow$	$<$	$<$	$<$	$\rightarrow$	$<$	$<$	$<$	$\rightarrow$	$A < B$