



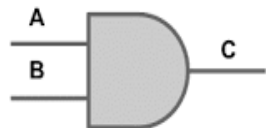
Organização e Arquitetura de Computadores

CURSO: Sistema de Informação

NOME DO DOCENTE: João Paulo Siqueira rocha

PORTA E (AND)

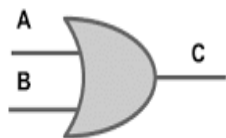
$$C = A \cdot B$$



A	B	C
0	0	0
0	1	0
1	0	0
1	1	1

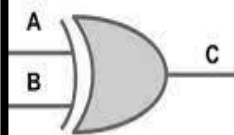
PORTA OU (OR)

$$C = A + B$$



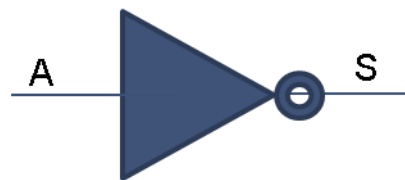
A	B	C
0	0	0
0	1	1
1	0	1
1	1	1

PORTA OU EXCLUSIVO (XOR) $C = A \oplus B$

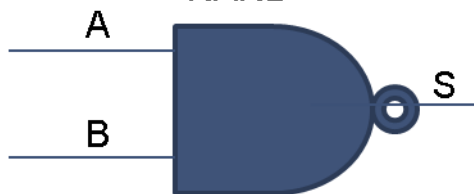


A	B	C
0	0	0
0	1	1
1	0	1
1	1	0

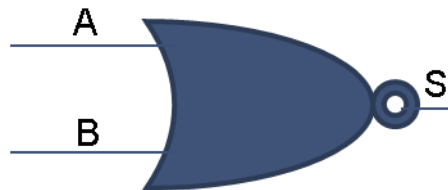
NOT



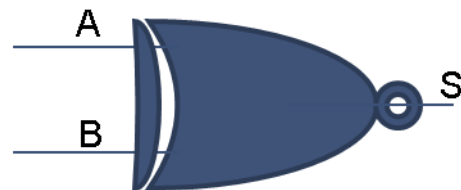
NAND



NOR



XNOR



Transforme as expressões em circuitos

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

$$\overline{(A \cdot B)} + (C \oplus \overline{D})$$

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

$$\overline{(A \oplus B)} + \overline{(C + D)} + D$$

$$\overline{(A \oplus B)} + (\overline{C + D}) + D$$

Transforme as expressões em circuitos

$$\overline{(A \oplus B)} + (\overline{C + D}) + D$$

$$\overline{(A + B)} + \overline{C}$$

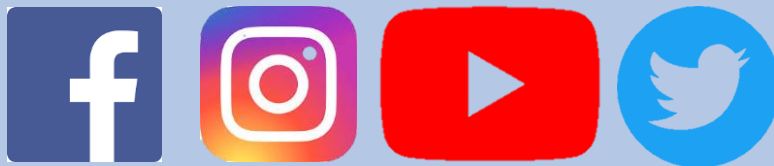
$$\overline{(A + B) \cdot (C \cdot D)}$$

$$\overline{(A + B)} \oplus (\overline{C + D})$$

$$\overline{\overline{(A + B)}}$$

SIGA-NOS NAS REDES SOCIAIS

**E fique por dentro de tudo o
que acontece no UGB/FERP**



@ugbferp



OBRIGADO(A) !



João Paulo S. Rocha



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