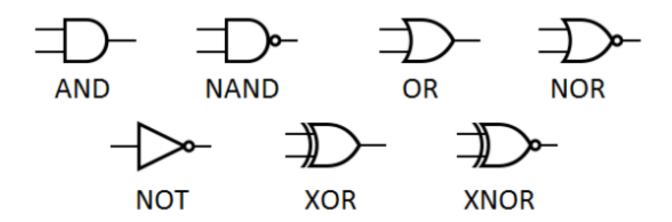
Arquitetura de Computadores

Prof. Debora Canne











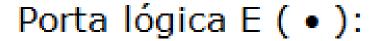


Definição: São as bases dos circuitos lógicos e têm por finalidade realizar determinada função. Cada porta pode ter várias linhas de entrada, mas somente uma linha de saída.







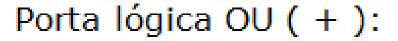


$$x = a \cdot b$$







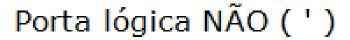


$$x = a + b$$







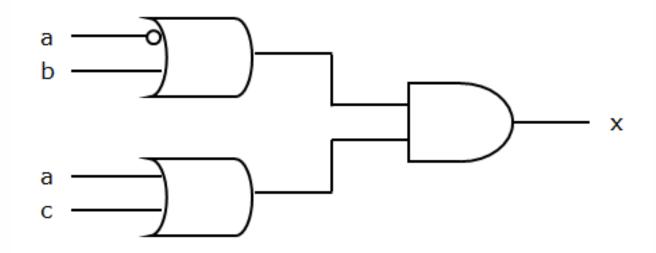


$$x = a' + b'$$





Dar as funções correspondentes aos circuitos lógicos abaixo:

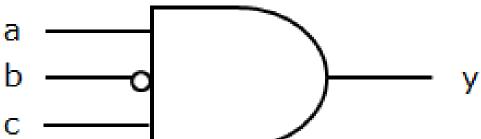


$$x = (a' + b) \cdot (a + c)$$





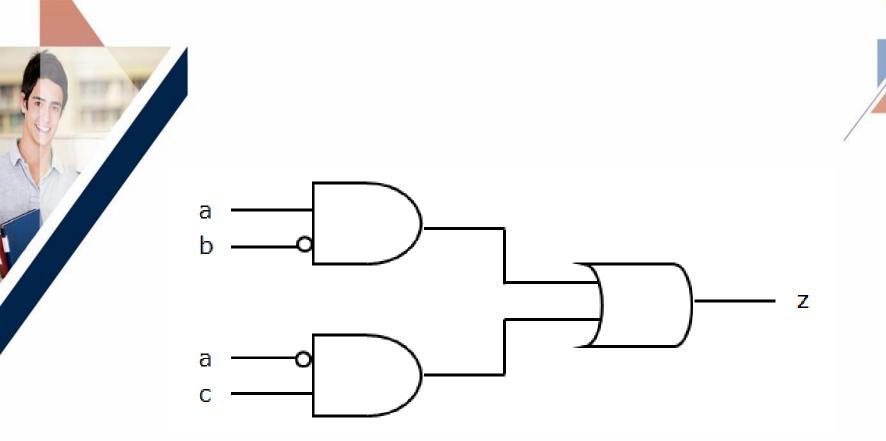




$$y = a \cdot b' \cdot c$$



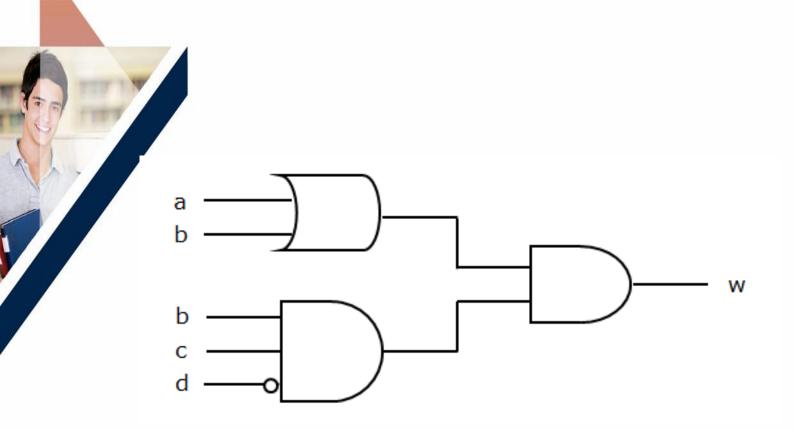




$$z = (a \cdot b') + (a' \cdot c)$$



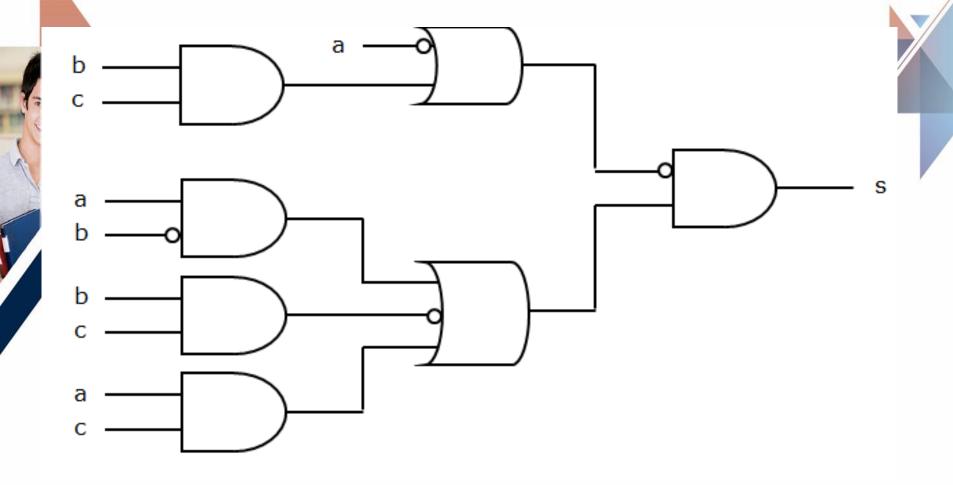




$$w = (a + b) \cdot (b \cdot c \cdot d')$$







$$s = (a' + (b \cdot c))' \cdot ((a \cdot b') + (b \cdot c)' + (a \cdot c))$$





HORA DE PRATICAR!



