



# Circuitos Integrados

# Famílias de Circuitos Integrados



Invólucro DIL  
ou DIP



# Famílias de Circuitos Integrados

- TTL

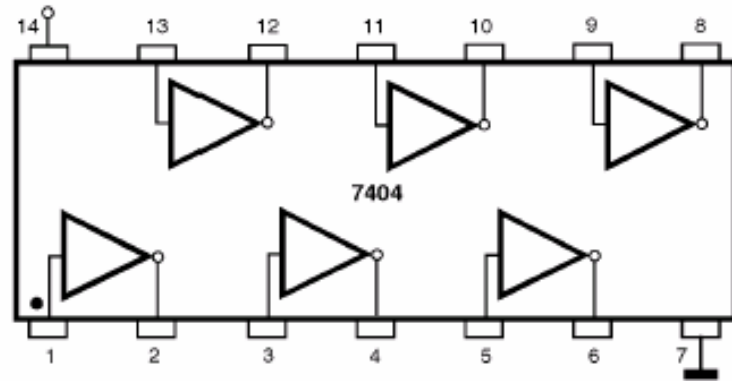
- Trans. Bipolares
- 74xx
- 0 = 0 a 0,8V
- 1 = 2,4 a 5V
- 

- CMOS

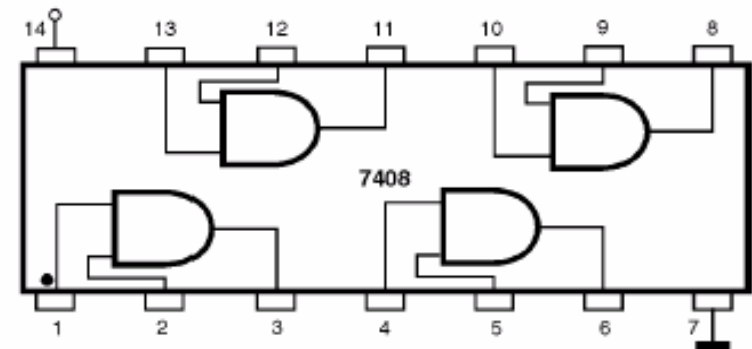
- Trans. FET
- 40xx
- 0 = 0V
- 1 =  $V_i$

# Circuitos Integrados

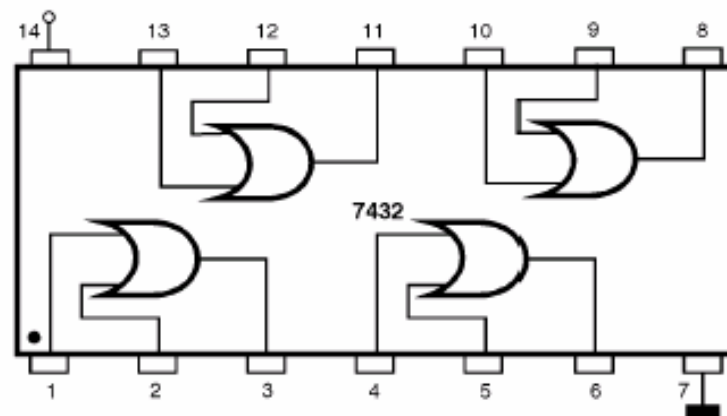
Vcc = +5 V



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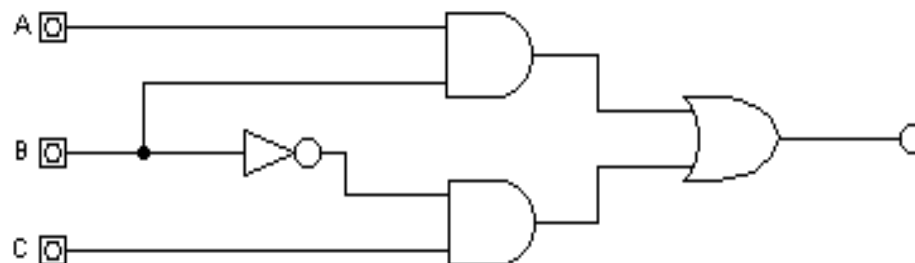
Vcc = +5 V



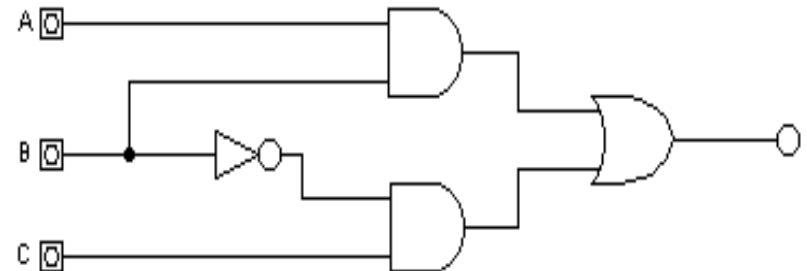
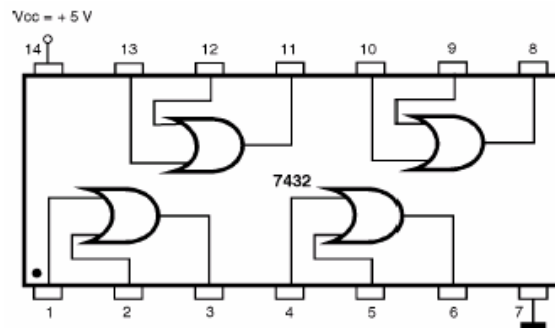
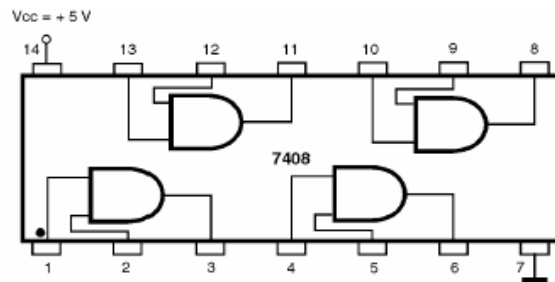
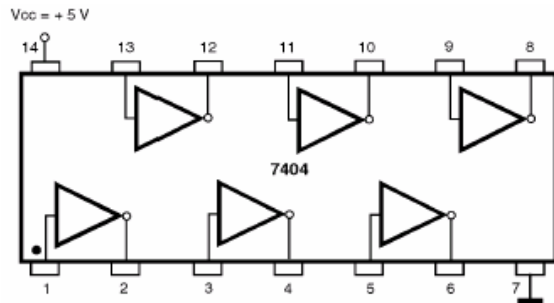
INSTITUTO FEDERAL  
SANTA CATARINA  
Campus Araranguá

# Prática

$$Z = \overline{A}B + BC$$



# Prática



$$Z = AB + BC$$

