三种基本逻辑运算

- >与(AND)
- ➤ 或(OR)
- ▶ 非(NOT)

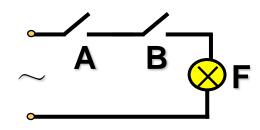




1. AND (逻辑"与")

F=A•B

① 也称为: 逻辑"乘"



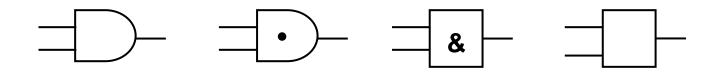
真值表

A	В	F
0	0	0
0	1	0
1	0	0
1	1	1

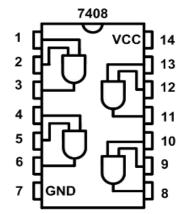


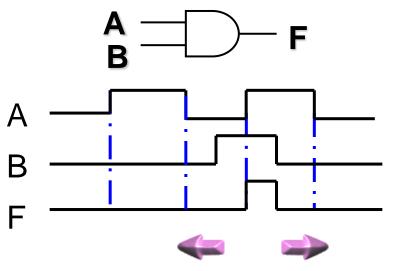


② 逻辑符号



③ Typical Chip: 74LS08

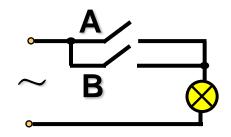




2. OR (逻辑"或")

F=A+B

①也称为:逻辑"加"



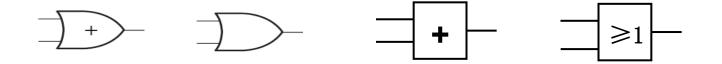
真值表

A	В	F
0	0	0
0	1	1
1	0	1
1	1	1

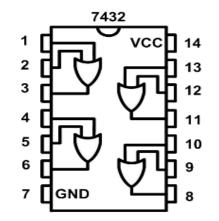


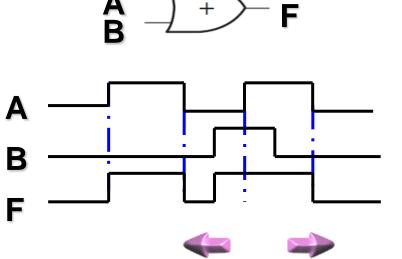


② 逻辑符号



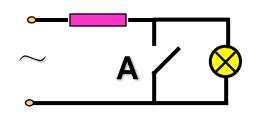
③ Typical Chip: 74LS32





3. NOT(逻辑"非")
F=A
(or F=A')

①也称为:反相器



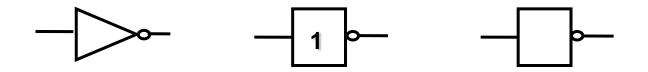
真值表

Α	F
0	1
1	0

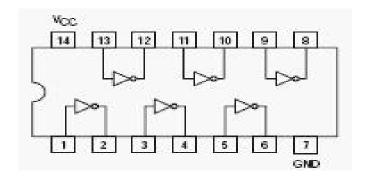


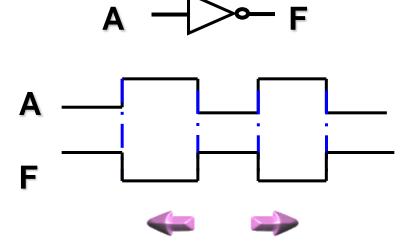


② 逻辑符号



③ Typical Chip: 74LS04





三种基本逻辑运算

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- ▶ 非(NOT)



