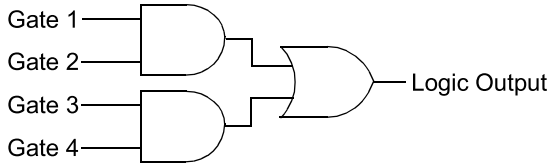
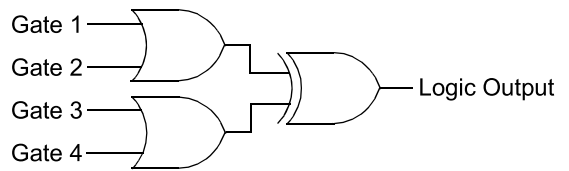
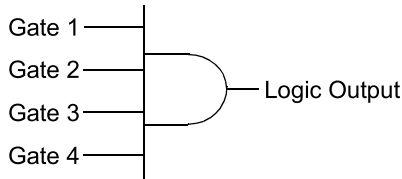


AND – OR

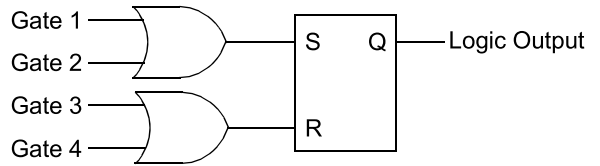
MODE[2:0] = 000

OR – XOR

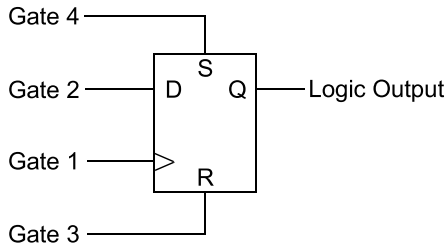
MODE[2:0] = 001

4-Input AND

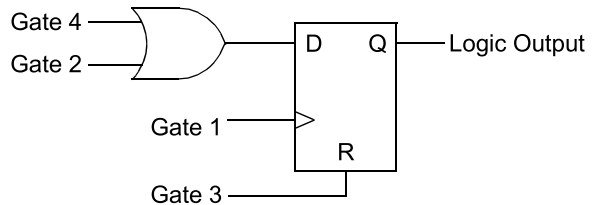
MODE[2:0] = 010

S-R Latch

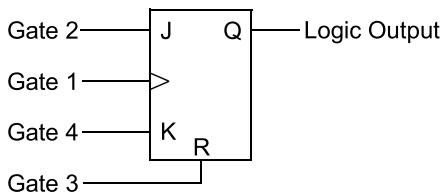
MODE[2:0] = 011

1-Input D Flip-Flop with S and R

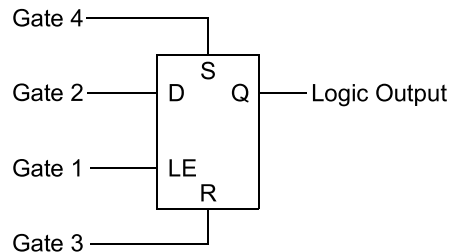
MODE[2:0] = 100

2-Input D Flip-Flop with R

MODE[2:0] = 101

J-K Flip-Flop with R

MODE[2:0] = 110

1-Input Transparent Latch with S and R

MODE[2:0] = 111