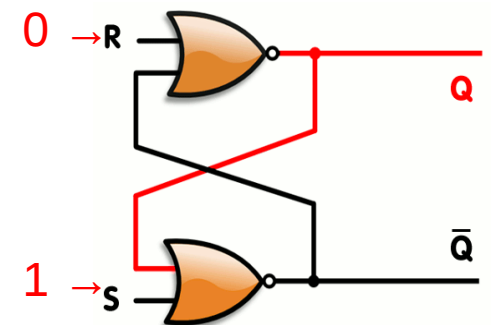
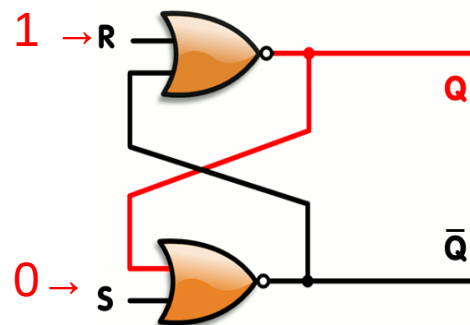
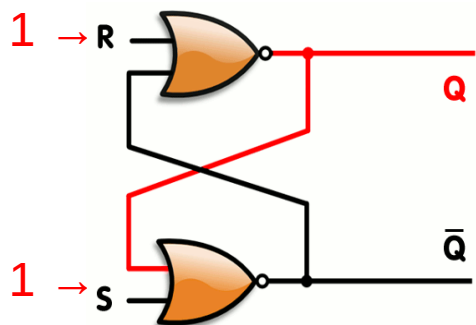
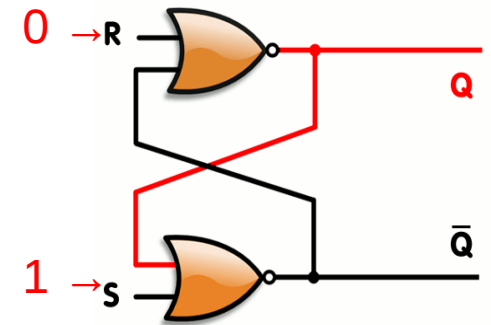
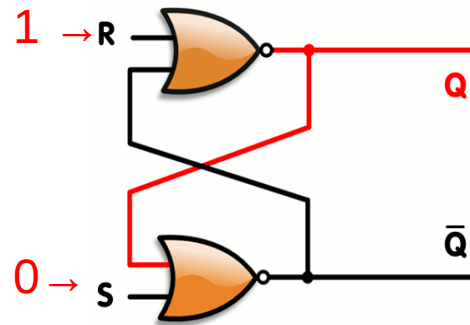
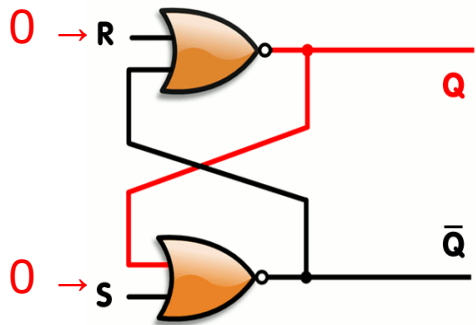
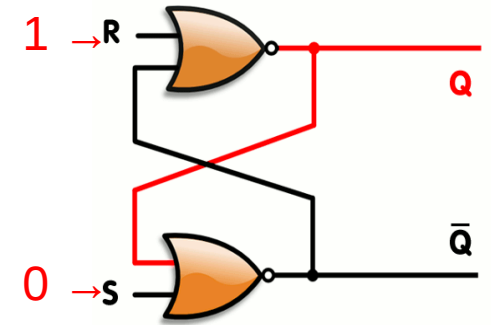
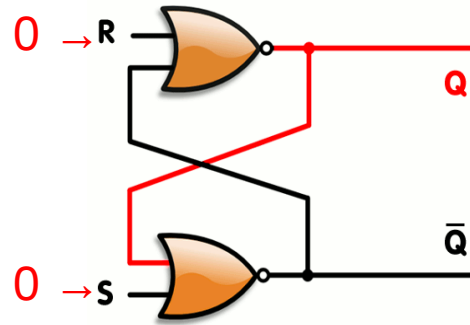
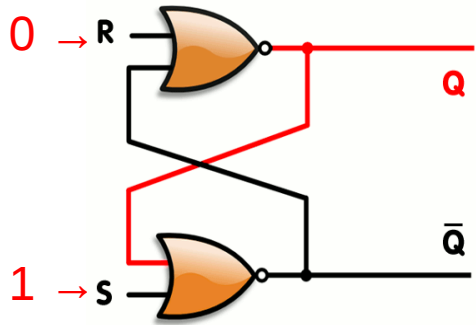


# #1 NOR RS Latch - Find out Q, Q'





### #3 **NOR** RS Latch

S waveform

(↑=0ns, Δ=1ns)

(↓=1ns, Δ=3ns)

(↑=4ns, Δ=2ns)

(↓=6ns, Δ=3ns)

(↑=9ns, Δ=1ns)

(↓=10ns, Δ=12ns)

R waveform

(↓=0ns, Δ=2ns)

(↑=2ns, Δ=1ns)

(↓=3ns, Δ=4ns)

(↑=7ns, Δ=1ns)

(↓=8ns, Δ=1ns)

(↑=9ns, Δ=3ns)

Find waveforms (S, R, Q, Q')

### #4 **NAND** RS Latch

Using the inverted S, R waveform of #3,

Find waveforms (S, R, Q, Q')