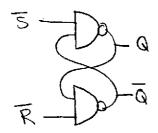


3.7 Figure 3.65



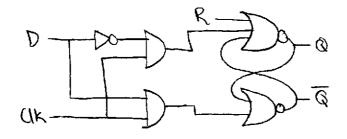
Sequential lagic Circuit, since the outputs depend on previous aliputs.

$$5 = 0$$
 and $R = 1$ $0 \rightarrow 1$
 $5 = 1$ and $R = 0$ $0 \rightarrow 0$
 $5 = 1$ and $R = 1$ Or with remaintens old value
 $5 = 0$ and $R = 0$ $0 \rightarrow 1$ and $0 \rightarrow 1$

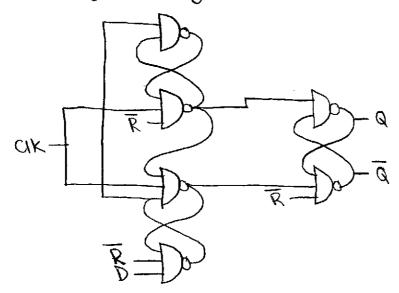
Graft = Active low SR lotch

2) Sequential Timing

3.12 Asynchronously Resettate D latch



3.13 Asynchronously Resetable D Flip Flop



3) Firste State Machines

3.19 Elevator for Building with "25 Floors", No Floor 13...

The elevator controller must have a wantmom of 5 to a of state to represent the 24 floors that the elevator might be on.

4) Interview Questions

3.3 A Latch Versus A FKP-Flop

The difference between a latch and a thip-flop depends on what trippers the handware and the size.

A latch is preferable in two-phase clocking systems, with two clocks.
A thep-thop is preferable in systems with a stralle clock.

3.4 5-Bit Coonter First State Michine

