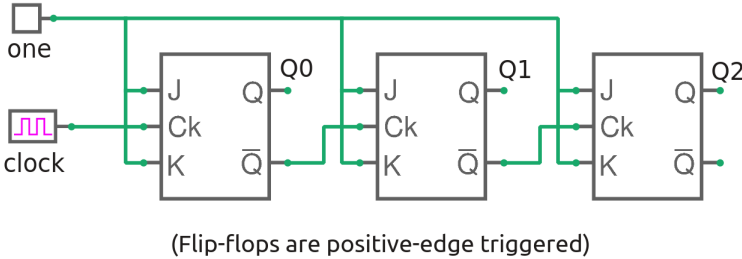


ee101\_counter\_2a.sqproj



This example illustrates the working of a counter made up of JK flip-flops. Note that  $J = K = 1$  for all flip-flops.

Exercise Set

1. Assuming that all flip-flops are originally reset, sketch the outputs  $Q_0$ ,  $Q_1$ ,  $Q_2$  as a function of time. Verify with simulation.
2. How would the plots change if negative edge-triggered flip-flops are used?