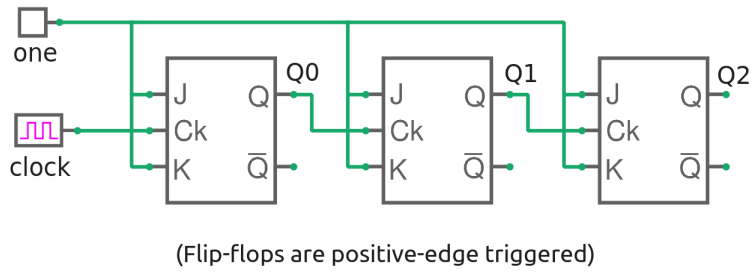


ee101_counter_2.sqproj



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?