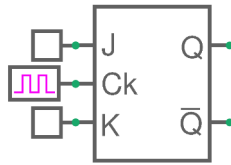
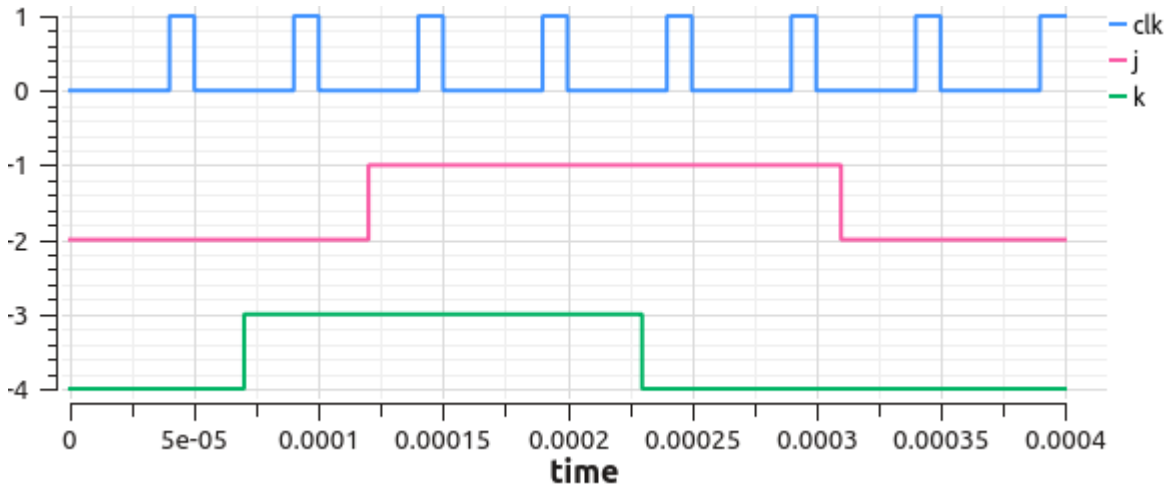


# jkff\_test.sqproj



Note: negative-edge triggered flip-flop



The purpose of this simulation exercise is to understand the response of a negative edge-triggered  $JK$  flip-flop to some given input  $J$  and  $K$  waveforms as shown in the figure.

(Note that the  $y$ -axis values vary between 0 and 1 in reality; for convenience, an offset has been used for the waveforms in the above plot.)

## Exercise Set

1. For the given  $J$  and  $K$  waveforms, plot  $Q$  versus time.
2. Compare your plot with simulation results.