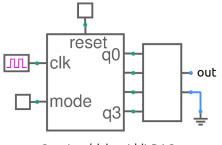
test_dac4.sqproj



Counter driving 4-bit DAC

Shown in the figure is a 4-bit DAC driven by a binary counter. As the counter output changes from 0000 to 1111, we expect the DAC output to change in discrete steps.

Exercise Set

- 1. With the given clock parameters and **vref** (the reference voltage for the DAC), work out the waveform for v_{out} . In particular, what is the maximum value of v_{out} ?
- 2. Compare your waveform with simulation results.