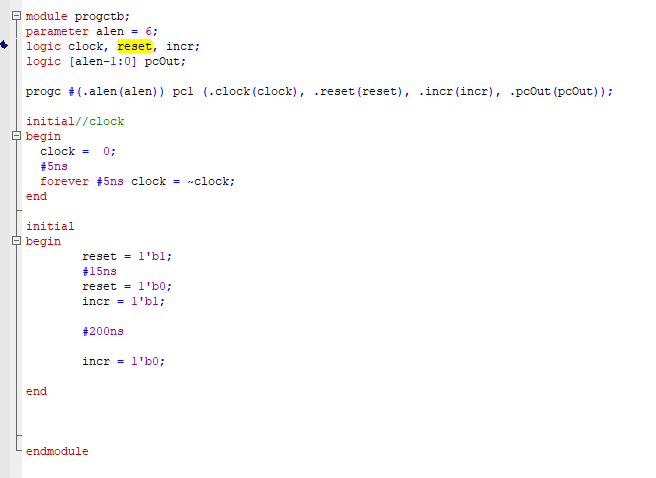
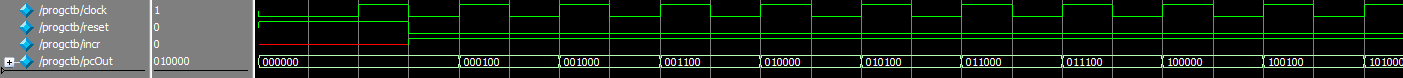
Program Counter Testbench

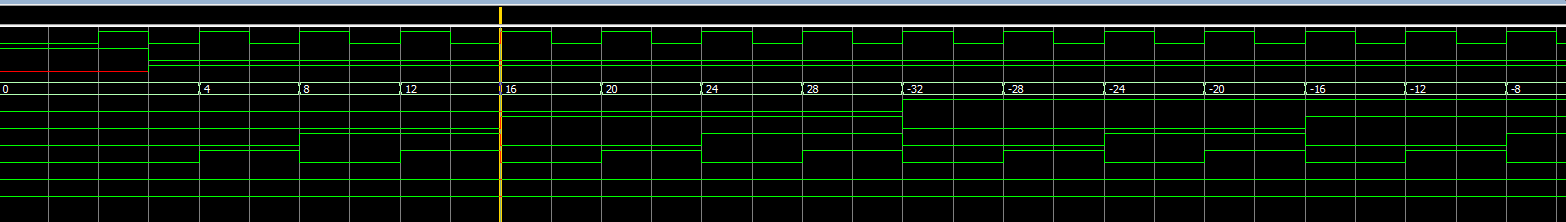






Program counter test bench checks that the cpu correctly increments,

This is shown in the waveform shown below as pcout increases by 4 each clock.



The waveform also shows that about 5 insturctions can be implemented. So I will test the cpu with a pc that increments by 1 instead of 4 as im not entirely sure why it needs to be 4 but the literature says so.