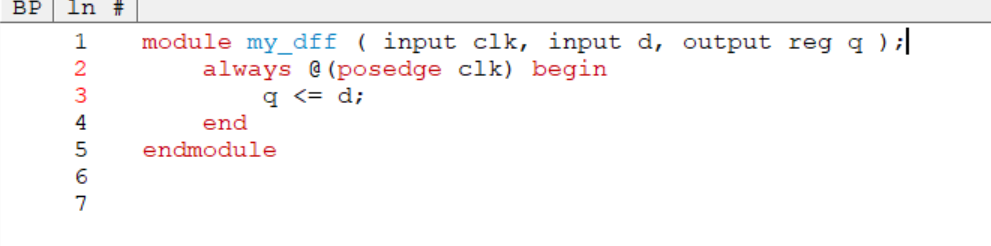
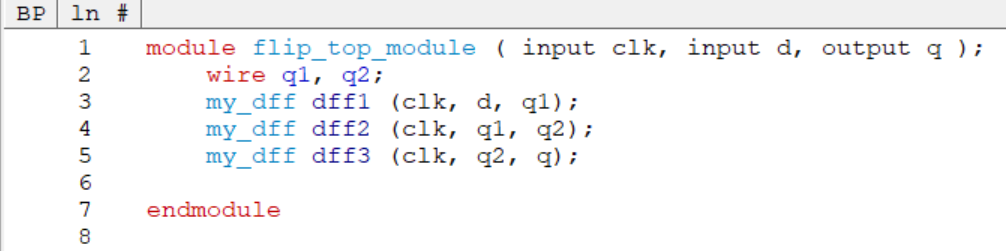
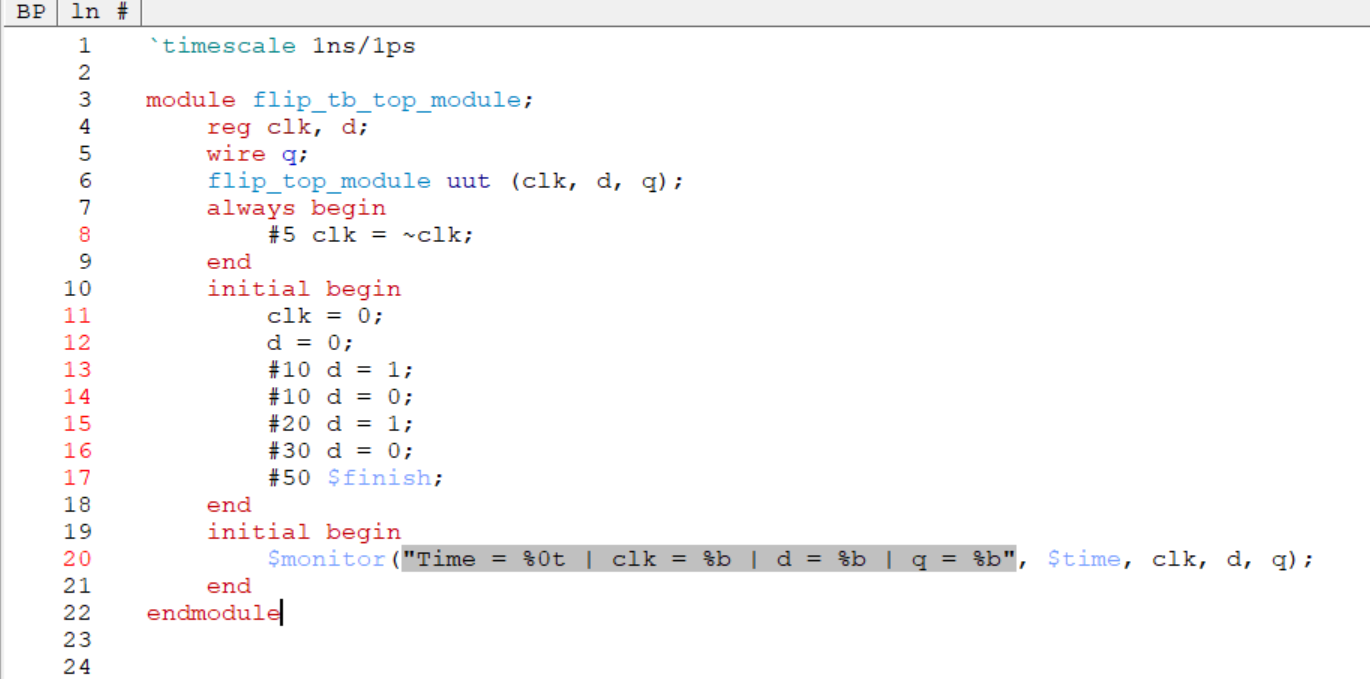
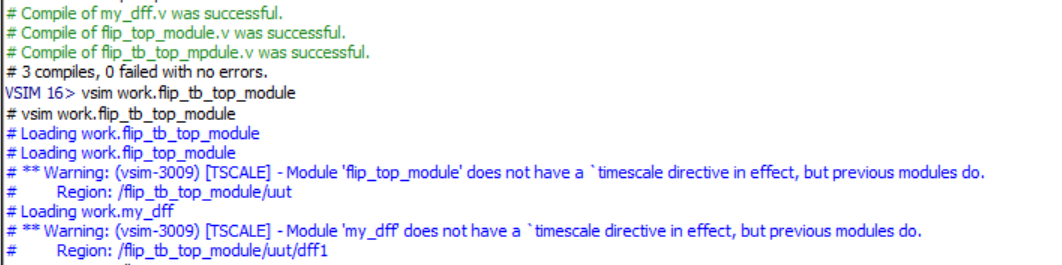
VERILOG CODE:  


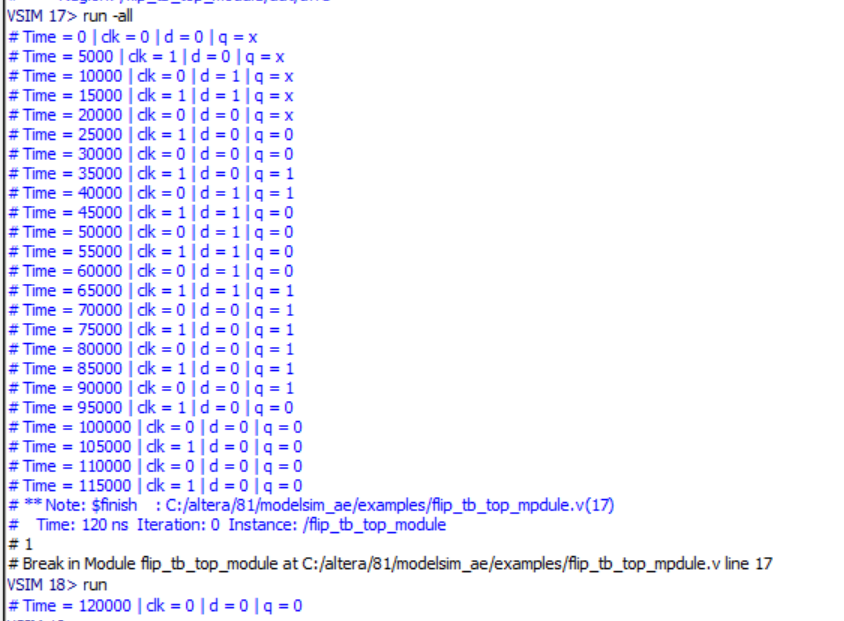


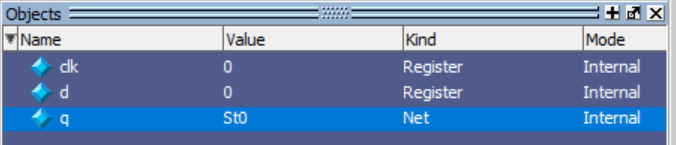
TESTBENCH CODE:

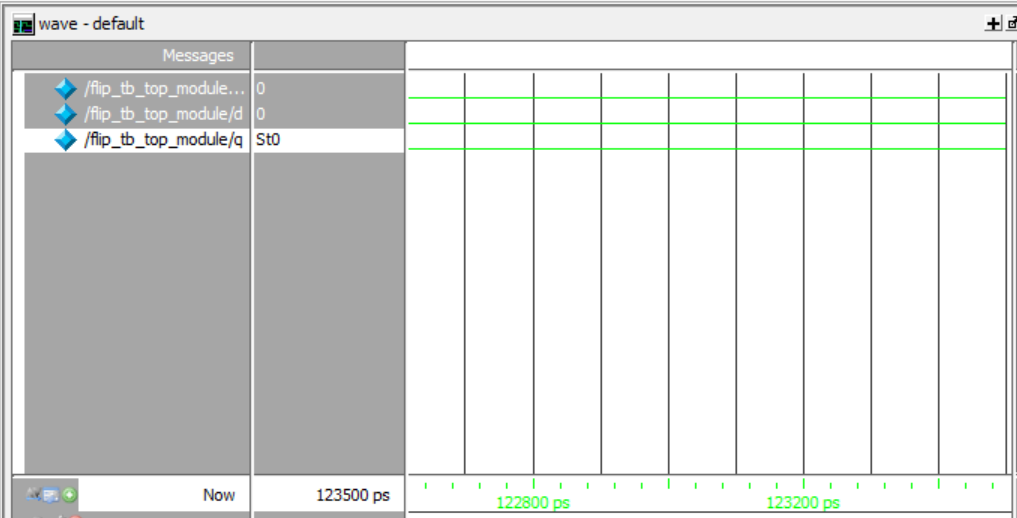


RESULTS:









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