**Switching Theory Lab (CS226) - 13**

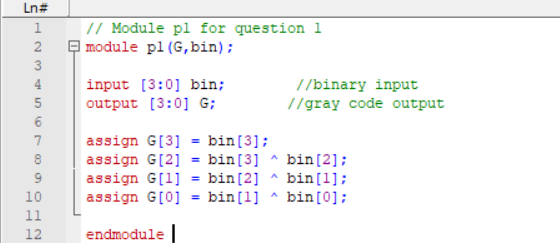
Name : Chandrawanshi Mangesh Shivaji

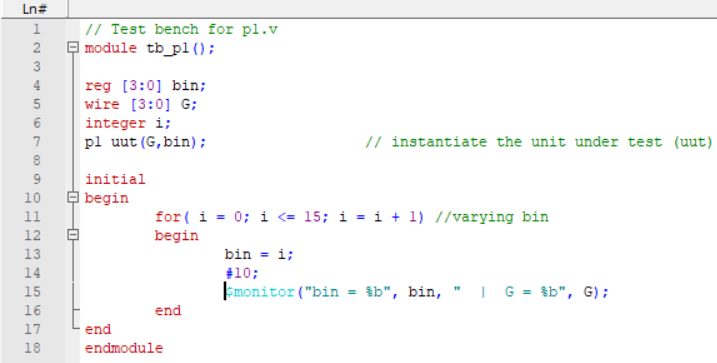
Roll No. : 1801cs16

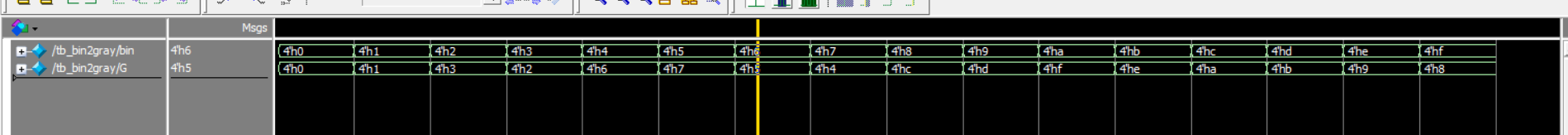
Date : 16/05/2020

Note :- Waveforms along with screenshots of code,test benches are placed in another folder named screenshots also if not properly visible please refer there.For each ques. ( Code, Test Bench, Waveform ) is the order for screenshots.

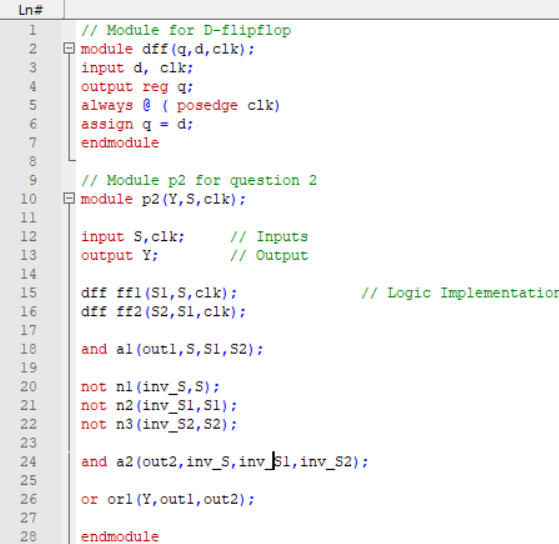
**Q1) =>**

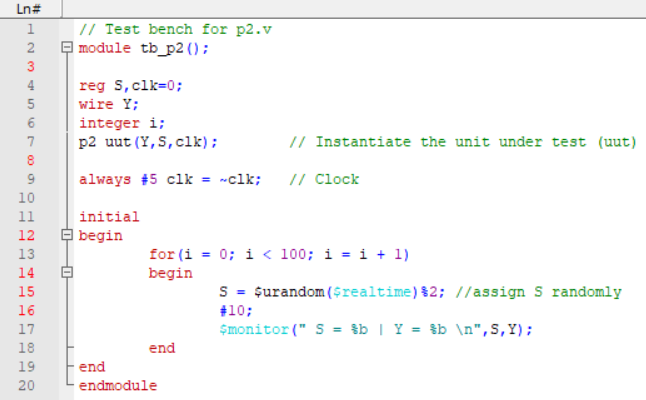


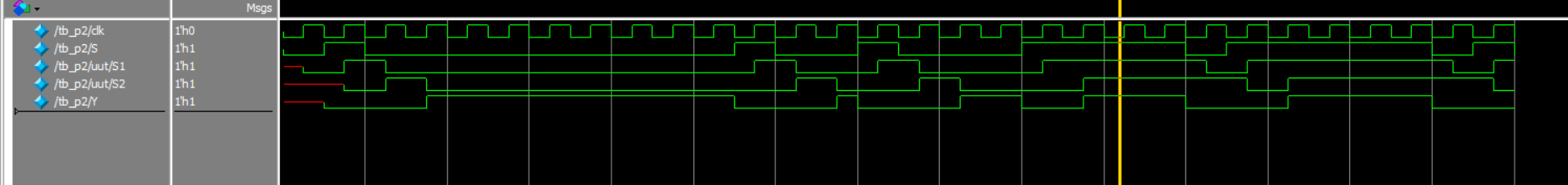




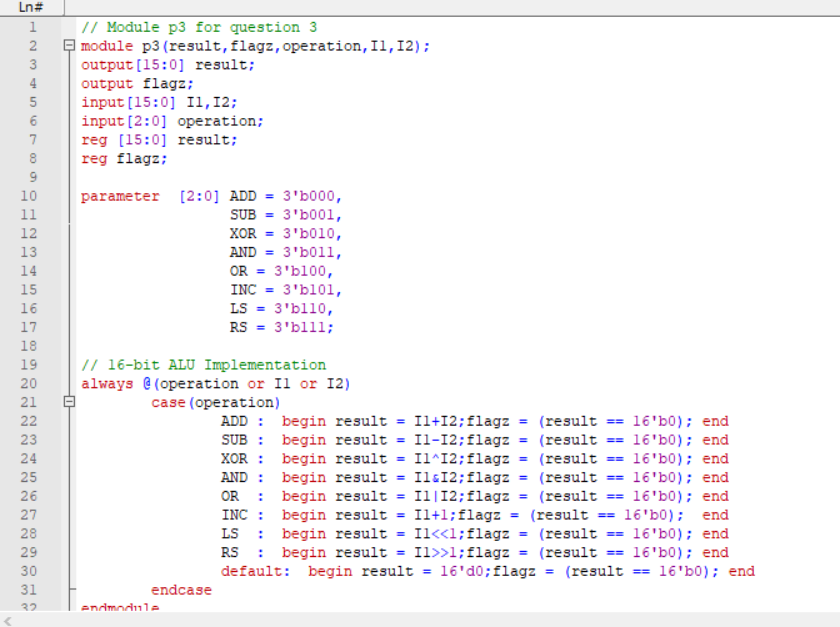
**Q2) =>**

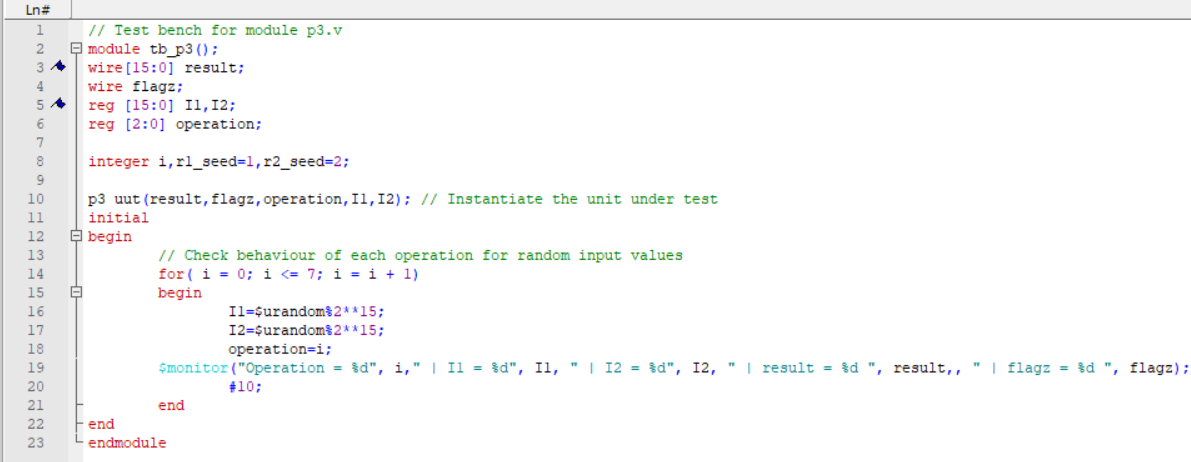


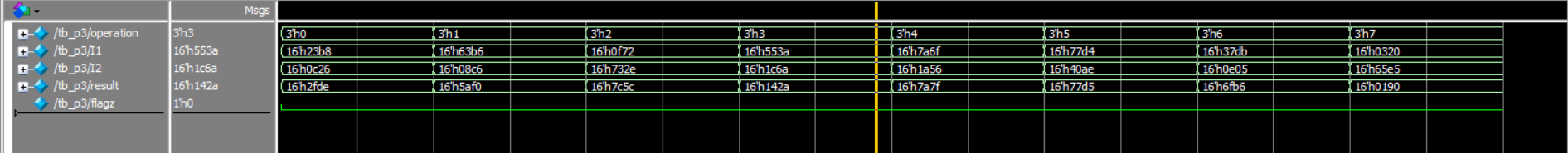




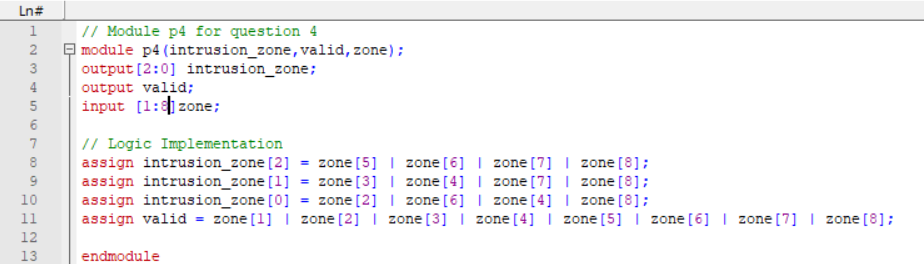
**Q3) =>**

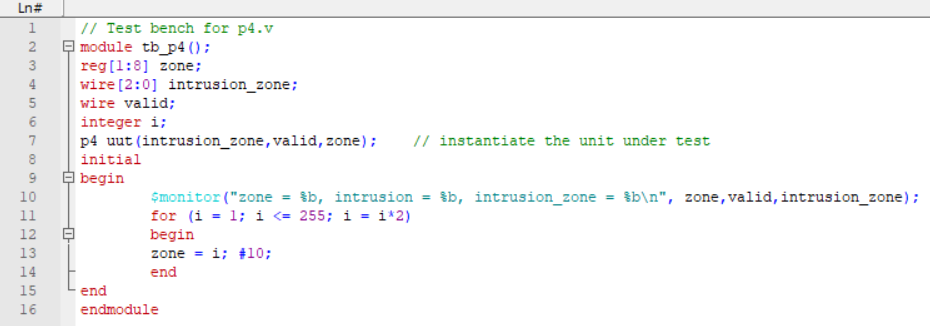
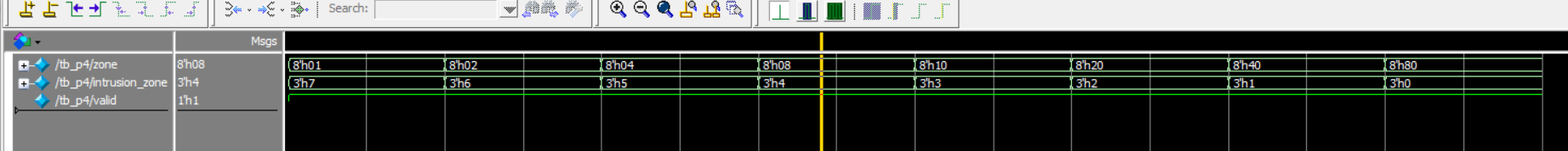


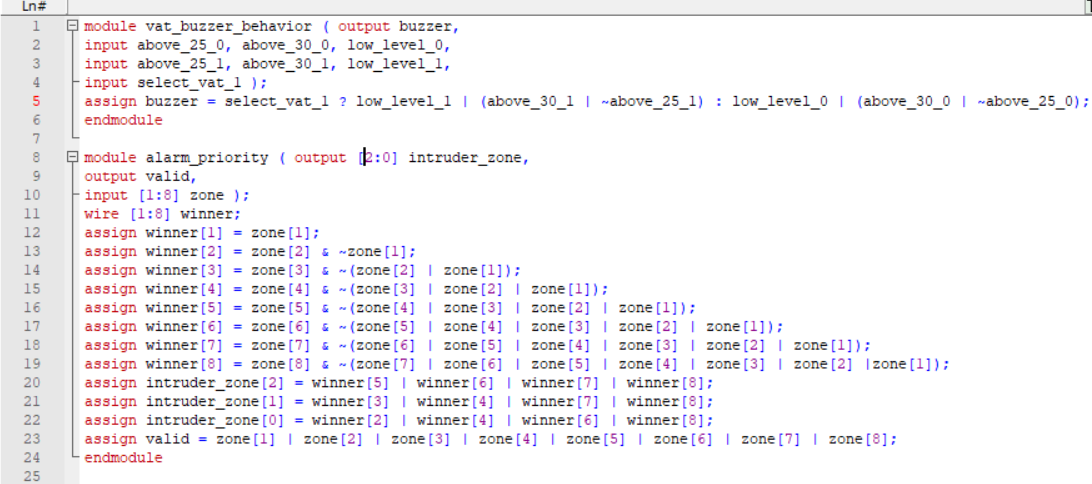
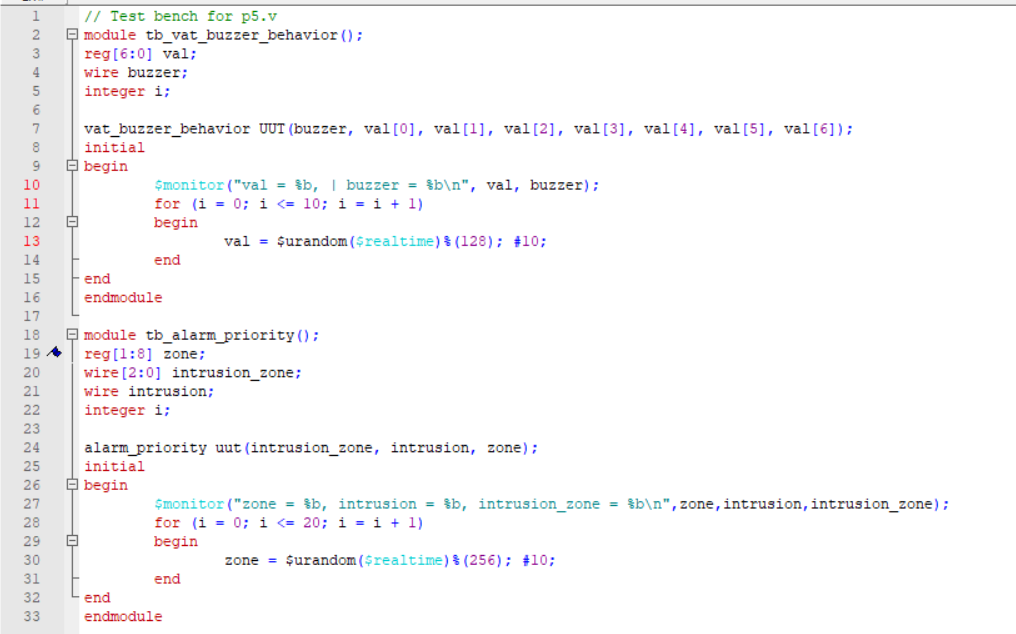


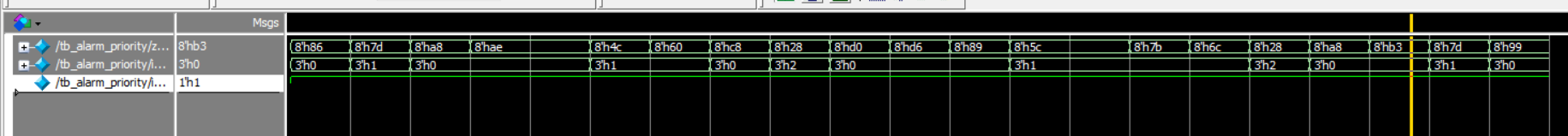


**Q4) =>**

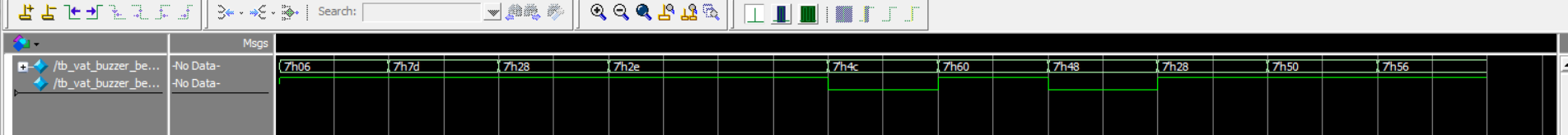


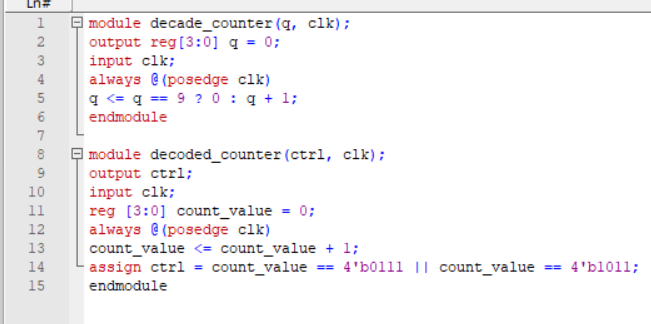
**Q5) =>**  **Wave alarm\_ priority**

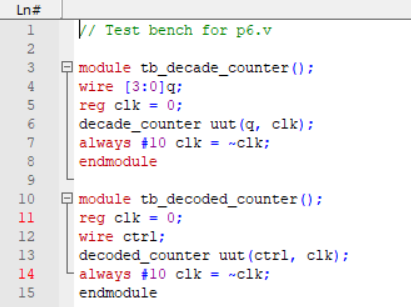


**Wave vat\_buzzer\_behaviour**

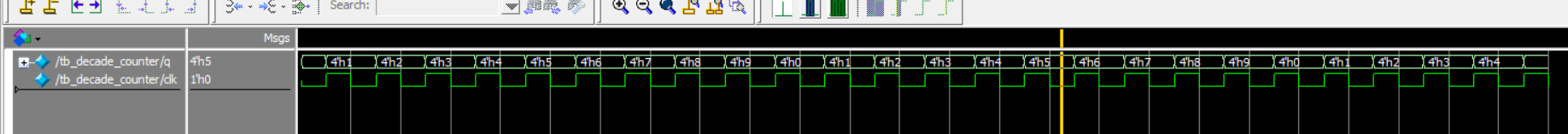


**Q6) =>**

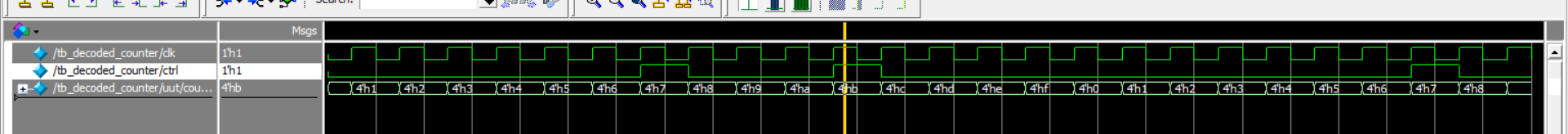




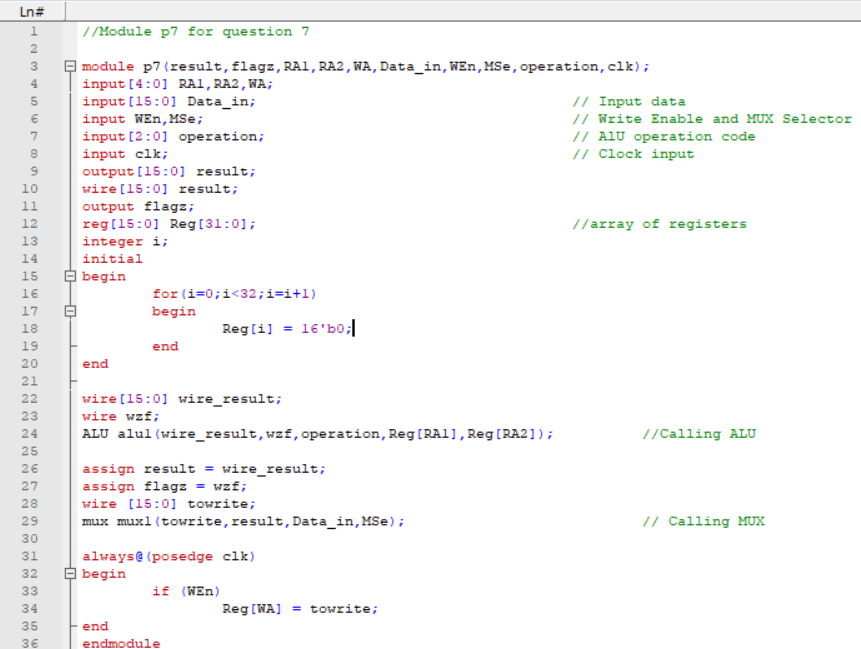
**Wave decade counter**

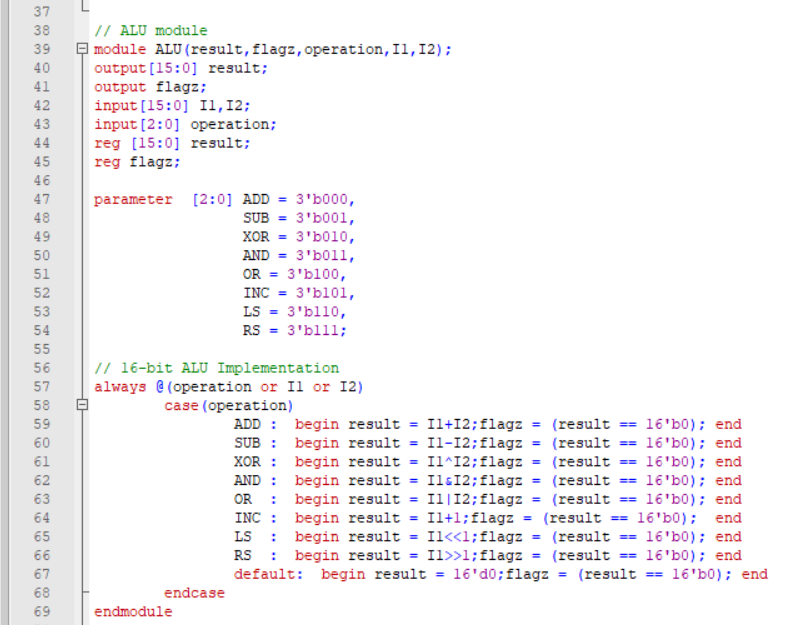


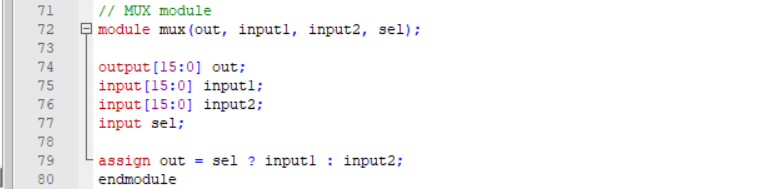
**Wave decoded counter**



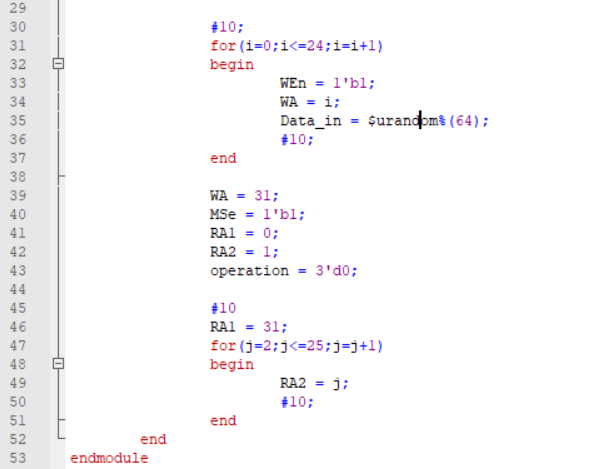
**Q7) =>**

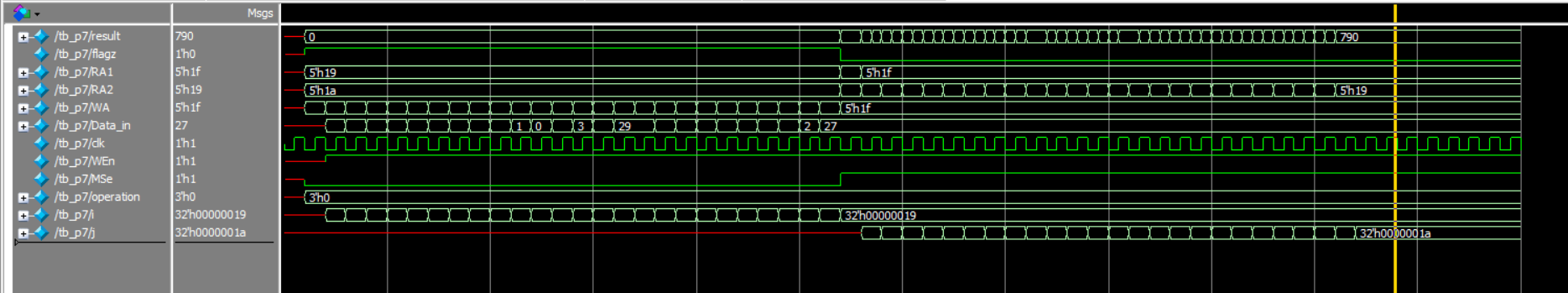












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