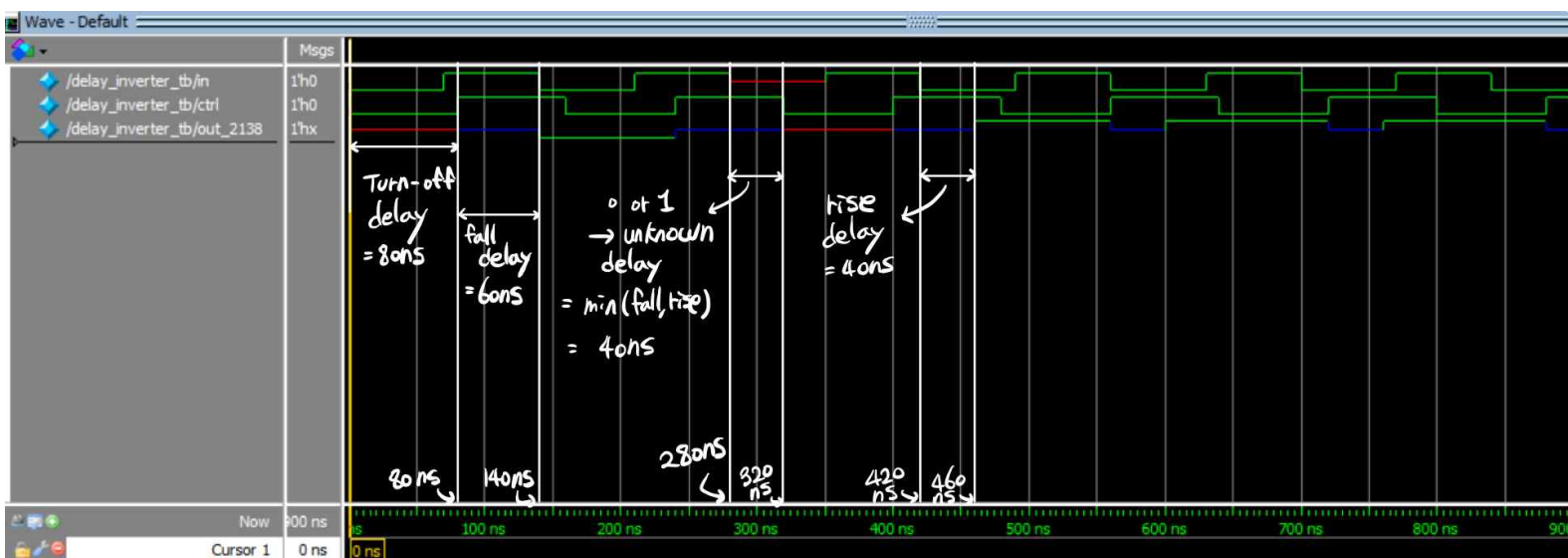


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delay\_inverter\_tb.v

```
`timescale 1ns/1ns // set time scale
```

```
module delay_inverter_tb();
    reg in,ctrl;
    wire out_2138; // set input, ctrl, output.

    notif1 #(40,60,80) n1(out_2138,in,ctrl);
    // set rise delay to 40, fall delay to 60 and turn-off delay to 80
    initial begin // initialize input value.
        in = 0;
        ctrl = 0;
        #280 in = 1'bx; // to test with unknown value
        #70 in = 0;
    end
    always //change value to test
        #70 in = ~in;
    always
        #80 ctrl = ~ctrl;
endmodule
```