

```
module load_decoder_testbench();
    reg [31:0] addr;
    reg [31:0] raw_data;
    reg lb, lbu, lh, lhu, lw;
    wire [31:0] wb_data;
    initial raw_data = 32'b100000000000000001000000010000000;
    initial lb = 1'b0;
    initial lbu = 1'b0;
    initial lh = 1'b0;
    initial lhu = 1'b0;
    initial lw = 1'b0;

    load_decoder dut(
        .addr(addr),
        .raw_data(raw_data),
        .lb(lb),
        .lbu(lbu),
        .lh(lh),
        .lhu(lhu),
        .lw(lw)
    );

    initial begin
        $dumpfile("load_decoder_testbench.vcd");
        $dumpvars(0, load_decoder_testbench);

        #100;
        lb = 1'b1;
        #100;
        lb = 1'b0;
        lbu = 1'b1;
        #100;
        lbu = 1'b0;
        lh = 1'b1;
        #100;
        lh = 1'b0;
        lhu = 1'b1;
        #100;
        lhu = 1'b0;
        lw = 1'b1;
        #100;
        lw = 1'b0;
        $finish();
    end
endmodule
```