



## Problem 5.9 T Flip-Flop

```
module tFlipFlop(  
    input T,  
    input clear,  
    output reg Q  
);  
  
always @(*)  
    begin  
        if (clear)  
            Q <= 1'b0  
        else if (T)  
            Q <= ~Q  
        end  
    end  
endmodule
```