2.59 A car has a low-tire-pressure sensor that outputs the current tire pressure as a 5-bit binary number. Create a circuit that illuminates a “low tire pressure” indicator light (by setting an output $T$ to 1) when the tire pressure drops below 16. Hint: you might find it easier to create a circuit that detects the inverse function. You can then just append an inverter to the output of that circuit.

**Step 1 - Capture the function**

*Skipped - we’ll use an equation directly.*

**Step 2 - Convert to equations**

$T' = P4$

**Step 3 - Implement as a gate-based circuit**

```
  P4 ---|    |--- T
       ||    ||
       ||    ||
```