Tester (første rapport)

```
restart : with (Units [Standard]) : I_{led} := 5 \text{mA} : V_S := 5 \text{V} : V_R := 3 \text{V} : V_R := \frac{V_R}{I_{led}} = 600 \ \Omega
```

Digital oscillator (første rapport)

restart: with (Units [Standard]):
$$C_{1} := 100 \text{nF}:$$

$$f := 256 \text{Hz}:$$

$$R_{1} := f \text{solve} \left(f = \frac{0.455}{R_{1} \cdot C_{1}}, R_{1} \right) = 17.7734 \text{ k}\Omega$$

$$Q_{n} := f \text{solve} \left(1 \text{Hz} = f \cdot \left(\frac{1}{2} \right)^{x}, x \right) = 8.0000000000$$

$$R_{maks} := R_{1} \cdot 1.1 = 19.55 \text{ k}\Omega$$

Termodynamisk data