

A → 250 ms
B → 500 ms
C → 1 s

Timer 1 modo CTC con prescalador 256

$$f_{clk} = \frac{16 \cdot 10^6}{256} = 62500 \text{ Hz}$$

$$250 \text{ ms} \rightarrow \text{OCR1A} = \frac{250 \cdot 10^{-3}}{1/62500} = 15625$$

$$500 \text{ ms} \rightarrow \text{OCR1A} = \frac{500 \cdot 10^{-3}}{1/62500} = 31250$$

$$1 \text{ s} \rightarrow \text{OCR1A} = \frac{1}{1/62500} = 62500$$