

# Calculos projecto

## Calculos timer 0:

Lo que se busca es 500ms

$$\text{Prescaler} = \frac{0.500s \times 500\text{kHz}}{256}$$

$$\text{Prescaler} = 976.56$$

$$\text{Prescaler} = 1024$$

## Valor de TCNT0:

$$\text{TCNT0} = 256 - \frac{500\text{kHz} \times 0.5s}{1024} = 12$$

## Calculos de timer 2:

$$\text{TCNT2} = 256 - \frac{500\text{kHz} \times 0.005s}{1024} = 254$$