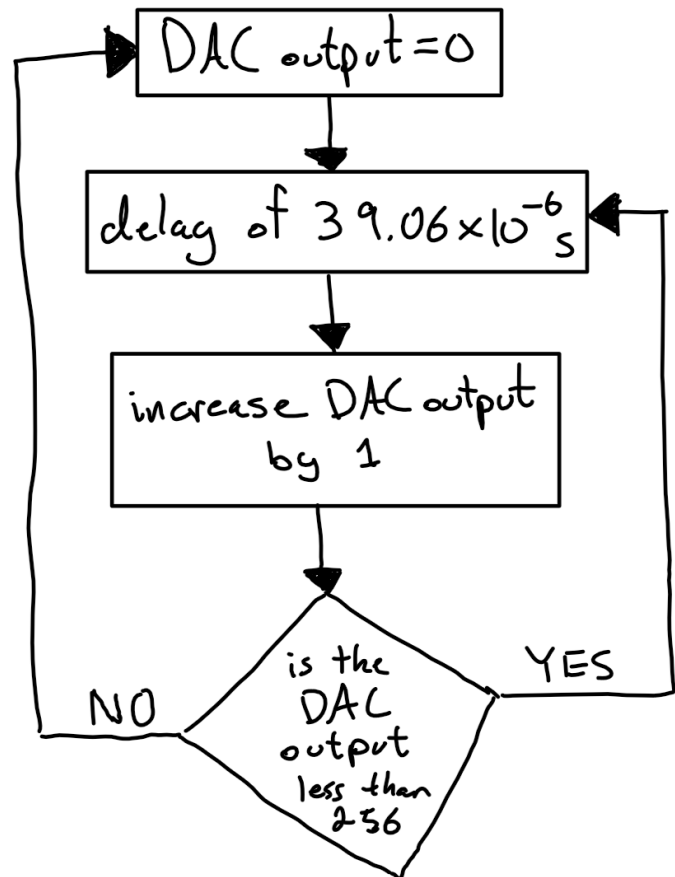


PROGRAM FLOWCHART:

$$f = 1\text{kHz} = 10^3\text{ Hz}$$

$$\therefore T = 10^{-3}\text{ s}$$

period of each
increase = $\frac{T}{256}$
 $= 39.06 \times 10^{-6}\text{ s}$

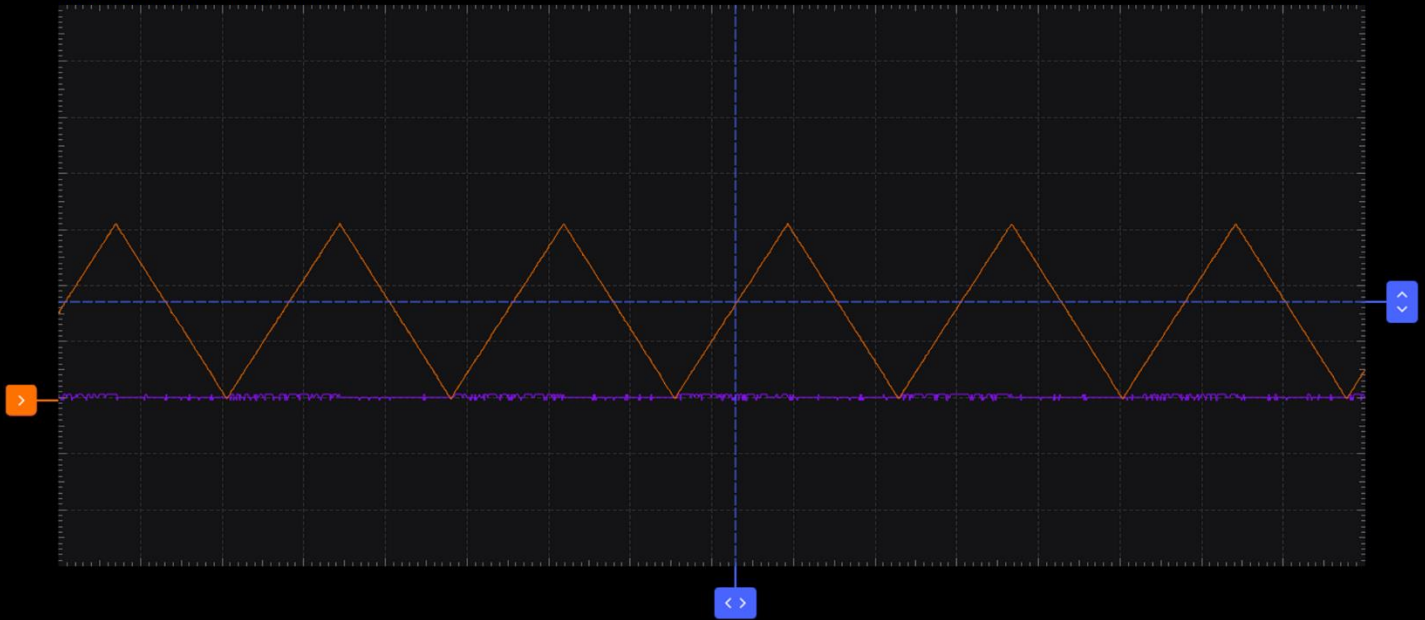


THE FOUR REQUIRED SCOPY SCREENSHOTS (IN THE NEXT 2 PAGES):

Period: 3.595 ms Period: --
Frequency: 278.147 Hz Frequency: --
Peak-peak: 5.011 V Peak-peak: 33.407 mV
Mean: 2.554 V Mean: 20.610 mV

Zoom: 1.310 ms/div 8000 Samples at 100 ksps

Triggered



Period: 335.478 μ s Period: --
Frequency: 2.981 kHz Frequency: --
Peak-peak: 5.097 V Peak-peak: 127.820 mV
Mean: 2.565 V Mean: 18.860 mV

Zoom: 199.357 μ s/div 8000 Samples at 1 Msps

Triggered

