

1 kHz Sawtooth Wave

$$T_0 = \frac{1}{f}$$

$$= \frac{1}{1000 \text{ Hz}}$$

$$T_0 = 0.001 \text{ s}$$

$$\frac{0.001 \text{ s}}{256} = 3.90625 \times 10^{-6} \frac{\text{s}}{\text{step}}$$

```
while(1) {  
    UserApp() → if (counter > 256) {  
        counter++;  
    }  
    TimerAus(4);  
    else {  
        counter = 0;  
    }  
}
```

$$\text{DACx CON} = 01010000 = 0x A0$$