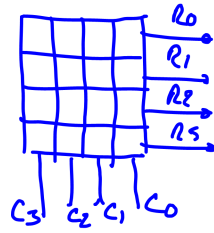


- ✓ 1. Break - and Watch
 - ✓ 2. Debug print
 - ✓ 3. Assert
 - 4. * Test-Driven
- } - (ITM)
Runtime



```
char keypadScan ( void )
{
    uint16
        Col Out (c);
        rc = ReadRow ( );
```

```
PORT .
Col Out ( char c )
{
    PORT = C;
}
char ReadRow ( . )
{
    return .R0;
}
```

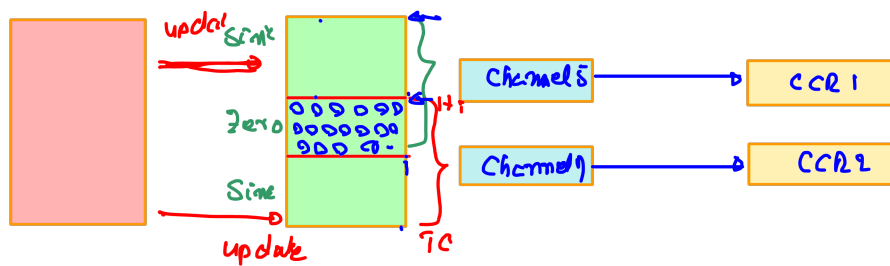
Test .



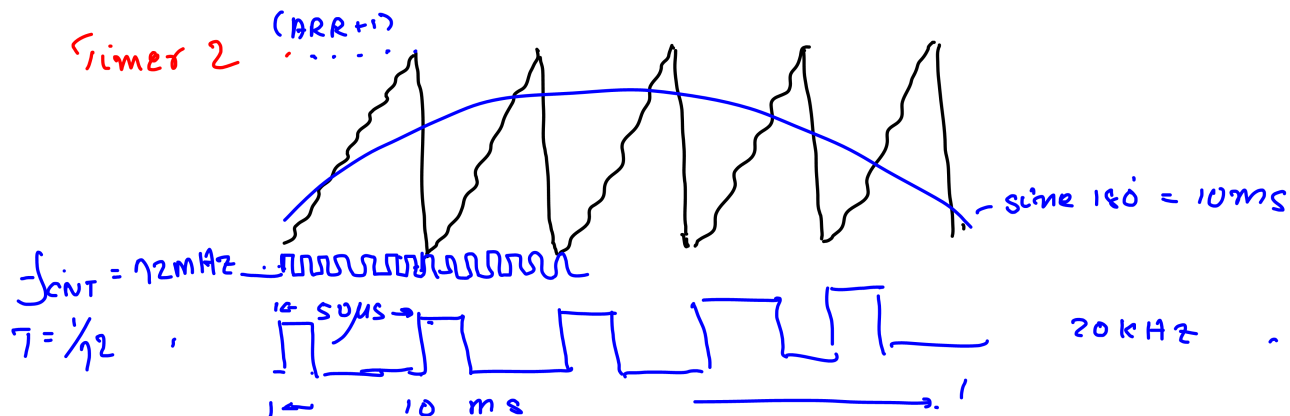
Test-Driven Method;

- 5. Trace ... Error (why) Halt sys @ → 6 pin x 2: nps 2 an',
instruction of m25. (Ulinkpro, JTrace...)
- 6. MCU PORT & output of ... LED, scope ... m25

PWM .



Sine Table



$$ARR+1 = \frac{T_{PWM}}{T_{CNT}} = \frac{50 \mu s}{\frac{1}{72} \mu s} = 50 \times 72 = 3600$$

$$Table \text{ size} = \frac{T_{1/2 \text{ cycle}}}{T_{PWM}} = \frac{10 \text{ ms}}{50 \mu s} = \frac{10000}{50} = 200$$

Output Table .. 200 x 3 = 600 .

