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各位前輩好目前使用PIC16F18323 ADC弁鄴H及CCP弁鄴并惆薈WM DUTY

目前遇到困難在我的ADC接受外部是用可變電阻調變0~100K

但是在式波器上PWM顯示DUTY的部分卻不是線性調變

下面這邊是我的PWM輸出,而adc 以及CCPREG兩個都是選擇從右邊數
而我的RP2沒有帶入255,是用其他值去計算出來的目前已計算過為79

系統Osc 32Mhz,pwm freq :100khz

$PR2 = (_XTAL_FREQ / (PWM_freq * 4 * 1)) - 1;$

```
void duty(unsigned int adcvaule)
{
    if(adcvaule<1023) //total 10bit data
    {
        //adc 10bit conver back*duty formula duty cycle
        //adc converter Vin=ADdata*(Vref+ - Vref-)/1023(2^10 bits)
        adcvaule=(((float)adcvaule)/1023)*(4*(PR2+1)); //duty cycle * 4*pr2+1
        // adcvaule = ((float)adcvaule/1023)*(_XTAL_FREQ/(PWM_freq*1));
        //CCP1 select FMT0 H 2bit L 8bit
        // duty reg is CCPR1H CCPR1L
        //define CCPW is total CPPR1H<1:0>+CCPR1L<7:0> sum of the 10 bits reg
        // CCPR1H<1:0> is using CCPW <9:8> bits
        // CCPR1L<7:0> is using CCPW <7:0> bits
        CCPR1H =(adcvaule>>8);// put duty first data still at 0 & 1 need to put at 8&9
        CCPR1L = (adcvaule & ADRESL); //CCPR1L has 8 bit use or left it and leave the last
        over 2bit
    }
}
```