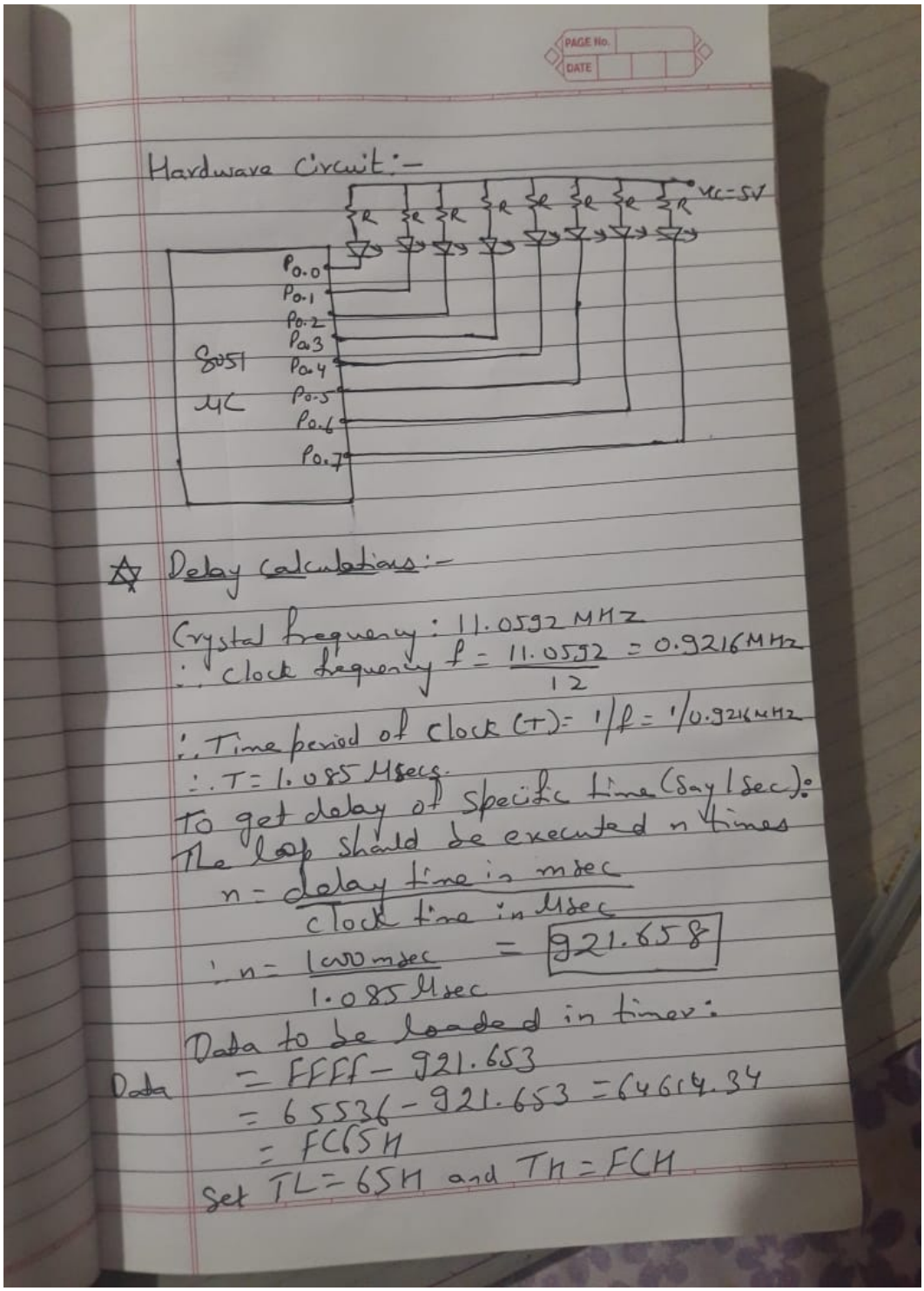
Expt2:

2a. Configure timer control registers of 8051 and develop a program to generate given time delay.



ASSIGNMENT :Show the calculations of delay using Timer for 3 secs

CODE:

```
#include<reg51.h>
void delay(void);
void main(void)
{
        while(1)
        {
                P0=0xff;
                delay();
                P0=0x00;
                delay();
        }
}
void delay()
{
        TMOD=0x00;
        TL0=0x65;
        TH0=0xfc;
        TR0=1;
        while(TF0==1);
         TR0=0;
         TF0=0;
}
```

Screen shot:

1)

Screen shot:

2)

Conclusion: