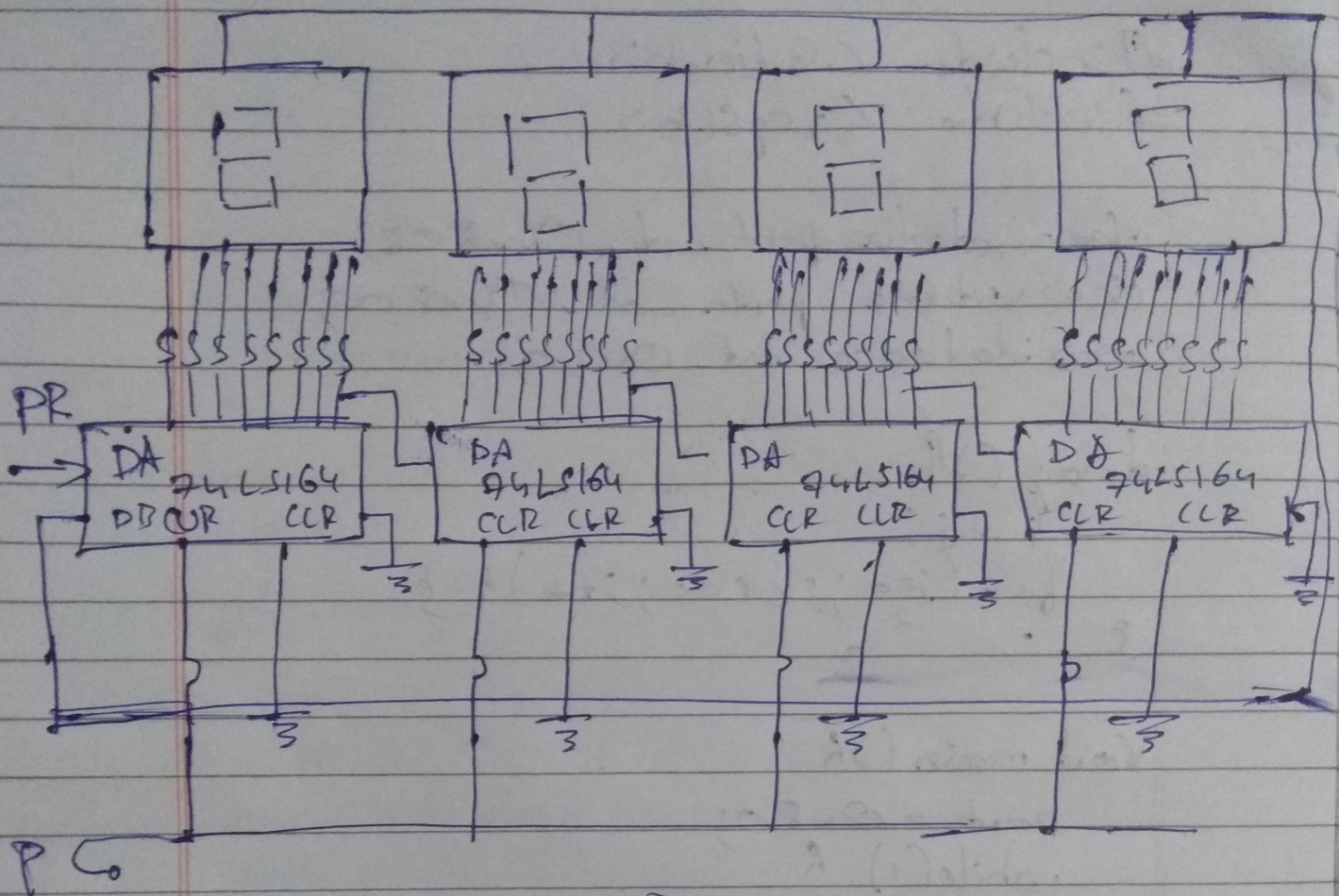


Program: 13

7-segment display interface [PREF & HBLD]



Circuit Diagram

```
#include <stdio.h>
#include <reg51.h>
```

```
char xdata CommW - at - 0x803;
char xdata portB - at - 0x801;
char xdata portC - at - 0x802;
char port [20] = {0x8e, 0xf9, 0xde, 0xff, 0xff,
0xff, 0xff, 0x89, 0x86, 0xc7, 0x8c, 0x8c, 0x8c, 0x8c, 0x8c, 0x8c, 0x8c, 0x8c, 0x8c, 0x8c, 0x8c, 0x8c, 0x8c};
```

Delay () h

long v;

for $(v \in G, v \in P_{\infty}, v \in H)$

2


```

void main() {
    int d, b, j, m;
    unsigned char k;
    CommW = 0x80;
    do {
        i = 0;
        for (d = 0; d < 3; d++) {
            for (b = 0; b < 4; b++) {
                k = port C;
                for (j = 0; j < 8; j++) {
                    m = k;
                    k = k << 0x80;
                    if (k == 0) {
                        port B = 0x00;
                    } else {
                        port B = 0x01;
                    }
                    port E = 0x01;
                    port C = 0x00;
                    k = m;
                    k << 2;
                }
            }
        }
    }
}

```

~~Delay()~~

};

while(d);

}