

```

(4) #include <stdio.h>
#include <reg51.h>
char xdata portB_at - 0xe801;
char xdata comw - at - 0xe803;
char xdata portC_at 0xe802;
char port[20] = { 0xff, 0xff, 0xff, 0xff,
                  0x83, 0x88, 0xc8, 0x82,
                  0x88, 0xc7, 0xc0, 0xaf,
                  0x86 }, i;

```

```

delay()
{
    long u;
    for (u=0; u<4000; u++);
}

```

```

void main()
{
    int d, b, j, m;
    unsigned char k;
    comw = 0x80;
    do
    {
        i=0;
        for (d=0; d<4; d++)
        {
            for (b=13; b>0; b--)
            {
                delay();
                k = port[i++];
                for (j=0; j<8; j++)
                {
                    m=k;
                    k = k<>0x80;
                }
            }
        }
    } while (1);
}

```

if (k == 00)

portB = 0x00;

else

portB = 0x01;

3

portC = 0x01;

portC = 0x00;

k = m;

kZL = 1;

3

3

delayC);

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while (1);

3.