

```
#include <stdio.h>;
#include <reg51.h>;
char xdata commW_at_0xe803;
char xdata portB_at_0xe801;
char xdata portE_at_0xe802;
char portL20[] = {0xff, 0xff, 0xff, 0xff, 0x83, 0x88, 0x88, 0x88,
0x88, 0xc7, 0xc0, 0xaf, 0x63};
delay() {
    long u;
    for(u=0; u<4000; u++);
}
void main() {
    int d, b, j, m;
    unsigned char k;
    commW = 0x80;
    do {
        i = 0;
        for(d=0; d<16; d++){
            for(b=13; b>0; b--){
                delay();
                k = port[i-1];
                for(j=0; j<8; j++){
                    m = k;
                    k = k & 0x80;
```

```
if (K==0)
```

```
port B = 0x00;
```

```
else
```

```
port B = 0x01;
```

```
{
```

```
port C = 0x01;
```

```
port C = 0x00;
```

```
K = m;
```

```
K < 8 ? K++ : K = 1;
```

```
{
```

```
}
```

```
delay();
```

```
{
```

```
}
```

```
while (1);
```

```
}
```