

```
#include <reg51.h>

void delay();

void main() {
    unsigned char a[8] = {0x01,0x03,0x02,0x06,0x04,0x0C,0x08,0x09};

    while(1) {
        int i;
        for(i=0; i<8; i++) {
            P1 = a[i]; // send pattern to Port 1
            delay();
        }
    }
}

void delay() {
    int i, j;
    for(i=0; i<1000; i++) {
        for(j=0; j<100; j++);
    }
}
```