

```
#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++);
```

```
    }
```

```
}
```