```
Case 1:cathode
#include <reg51.h>
#define SEGMENT_PORT P2
unsigned char segment_code[10] = \{0x3F,0x06,0x5E,0x4F,0x66,0x6D,0x7D,0x07,0x7F,0x6F\};
void delay(unsigned int ms)
{
unsigned int i, j;
for (i = 0; i < ms; i++)
{
for (j = 0; j < 1275; j++);
}
}
void main() {
unsigned char i;
while (1)
{
for (i = 0; i < 10; i++)
{
SEGMENT_PORT = segment_code[i];
delay(1000);
}
}
}
Case 2
#include<reg51.h>
void delay(){
        unsigned int i,j;
        for(i=0; i<255; i++){
                for (j=0; j<255; j++);
```

```
}

void main(){
    unsigned char arr[10]={0xc0, 0xf9, 0xa4, 0xb0, 0x99, 0x92, 0x82, 0xf8, 0x80, 0x90};
    unsigned int i;

while(1){
        for(i=0; i<10; i++){
            P2 = arr[i];
            delay();
        }
}
</pre>
```