

Drive a Stepper Motor interface to rotate the motor in Anti-clockwise by N steps. Introduce suitable delay between successive steps.

```
#include <stdio.h>
```

```
#include <reg51.h>
```

```
char xdata port_at_0xe803;
```

```
char xdata porta_at_0xe800;
```

```
char idata acc_at_0x30;
```

```
delay () // Delay b/w the rotation of the stepper motor
```

```
{
```

```
int j;
```

```
for ( j=0 ; j<800 ; j++ )
```

```
{
```

```
return 0;
```

```
}
```

```
void main()
```

```
{
```

```
port = 0x80 ; // Configure all the ports of 8255 as output
```

```
while(1)
```

```
{
```

```
acc = 0x11;
```

```
porta = acc;
```

```
delay ();
```

```
acc = 0x22;
```

```
porta = acc;
```

```
delay ();
```

```
acc = 0x44;
```

```
porta = acc;
```

```
delay ();
```

```
acc = 0x88;
```

```
porta = acc;
```

```
delay (); } }
```

Determination gives you the results to form a table of results of the code blocks that look like

Drive a Stepper Motor interface to rotate the motor in clockwise by N steps. Introduce suitable delay between successive steps.

```
#include <stdio.h>
```

```
#include <reg52.h>
```

```
void delay (int);
```

```
void main()
```

```
{
```

```
do {
```

```
    P2 = 0x01;
```

```
    delay(1000);
```

```
    P2 = 0x02;
```

```
    delay(1000);
```

```
    P2 = 0x04;
```

```
    delay(1000);
```

```
    P2 = 0x08;
```

```
    delay(1000);
```

```
}
```

```
while(1);
```

```
}
```

```
void delay (int k)
```

```
{
```

```
    int i, j;
```

```
    for (i = 0; i < k; i++)
```

```
    {
```

```
        for (j = 0; j < 100; j++)
```

```
        { }
```

```
    } }
```