PB$_0$ → D$_8$ 7425164 CLK CLR

D$_8$ 7425164 CLK CLR

D$_8$ 7425164 CLK CLR

D$_8$ 7425164 CLK CLR

PC$_0$

Program - 3

Display messages FIRE and HELP alternately with flickering effects on a 7- segment display interface for a suitable period of time. Ensure a flashing rate that makes it easy to read both the messages.

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


char xdata CommW _at_ 0x e803;
char xdata port B _at_ 0xe801;
char xdataportC _at_ 0xe802;
char port [20] = {0x8e, 0xf9, 0xde, 0x86, 0xff,
                  0xff, 0xff, 0xff, 0x89, 0x86,
                  0xc7, 0x8c};  ;

delay ()
{
    long v;
    for (u=0; u < 8000; u++);
}


void main ()
{
    int d, b, j, m ;
    unsigned char K ;
    Comm W = 0x80;
    do
    {
        i = 0;
    )
```

```
for ( d=0; d<3; d++)
{
    for (b=0;  b<4;  b++)
    {
        K=  port (i++);
        for (j=0;  j<8;  j++)
        {
            m = k;
            k = k & 0x80;
            {
                if (k === 00)
                port B= 0x00;
                else
                port B = 0x01;
            }
            port c =  0x01;
            port c = 0x00;
            k = m;
            k <<= 1;
        }
    }
    delay ();
}
}
while (1);
}
```