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Date
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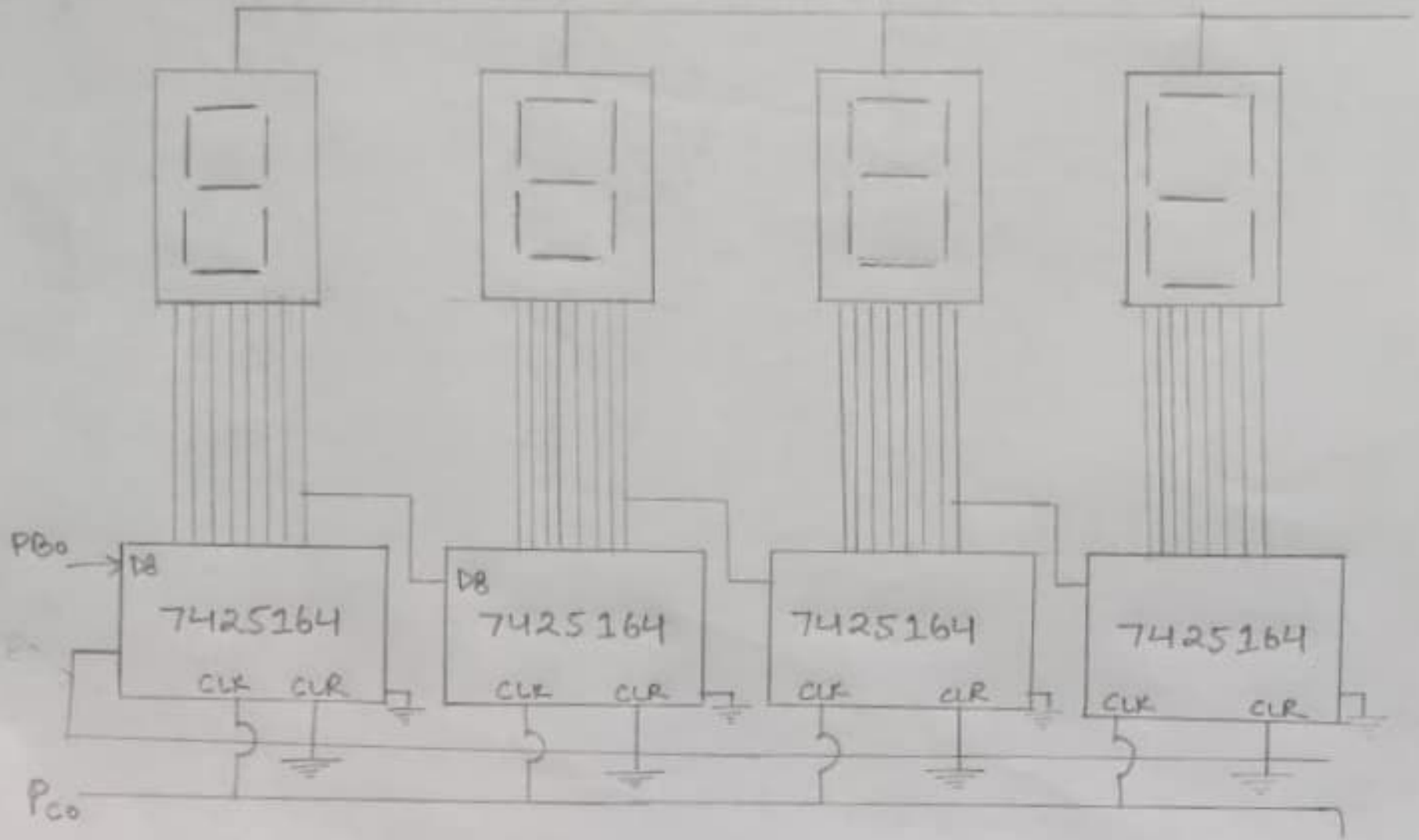
Program - 3

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

```
#include <stdio.h>
#include <reg51.h>
char xdata CommW _at_ 0xe803;
char xdata portB _at_ 0xe801;
char xdata portC _at_ 0xe802;
char port[20] = {0x8e, 0xf9, 0xde, 0x86, 0xff, 0xff, 0xff
                 0xff, 0x89, 0x86, 0xc7, 0x8c}, i;
delay()
{
  unsigned w;
  for (w=0; w<8000; w++);
}
void main()
{
  char portB, portC;
  int d, b, j, m;
  unsigned char K;
  CommW = 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)
   portB = 0x00;
  else
   portB = 0x01;
}
 portC = 0x01;
 portC = 0x00;
 k = m;
 k << = 1;
}
}
delay ();
}
}
while(1);
}
```


PB0
DB
7425164
CLK
CLR
DB
7425164
CLK
CLR
7425164
CLK
CLR
7425164
CLK
CLR
PC0