.MODEL SMALL   
.DATA   
 FIRE DB 086H, 0AFH, 0CFH, 8EH   
 HELP DB 08CH, 0C7H, 86H, 89H   
 PA EQU 24A0H   
 PB EQU 24A1H   
 PC EQU 24A2H   
 CR EQU 24A3H   
.CODE   
 MOV AX,@DATA   
 MOV DS, AX   
 MOV DX, CR   
 MOV AL, 80H   
 OUT DX, AL   
 BAK: LEA SI, FIRE   
 CALL DISPLAY   
 CALL DELAY   
 LEA SI, HELP   
 CALL DISPLAY   
 CALL DELAY   
 MOV AH, 06H   
 MOV DL, 0FFH   
 INT 21H   
 JZ BAK   
 MOV AH, 4CH   
 INT 21H   
DISPLAY: MOV CX, 04   
 BAK2: MOV BL, 08   
 MOV AL, [SI]   
 NEXT: ROL AL, 01   
 MOV DX, PB   
 OUT DX, AL   
 PUSH AX   
 MOV DX, PC   
 MOV AL, 0FFH   
 OUT DX, AL   
 MOV AL, 00H   
 OUT DX, AL   
 POP AX   
 DEC BL   
 JNZ NEXT   
 INC SI   
 LOOP BAK2   
 RET   
DELAY PROC   
 MOV SI, 0FFFFH   
 L1: MOV DI, 0FFFFH   
 L2: DEC DI   
 JNZ L2   
 DEC SI   
 JNZ L1   
 RET   
 DELAY ENDP  
 END