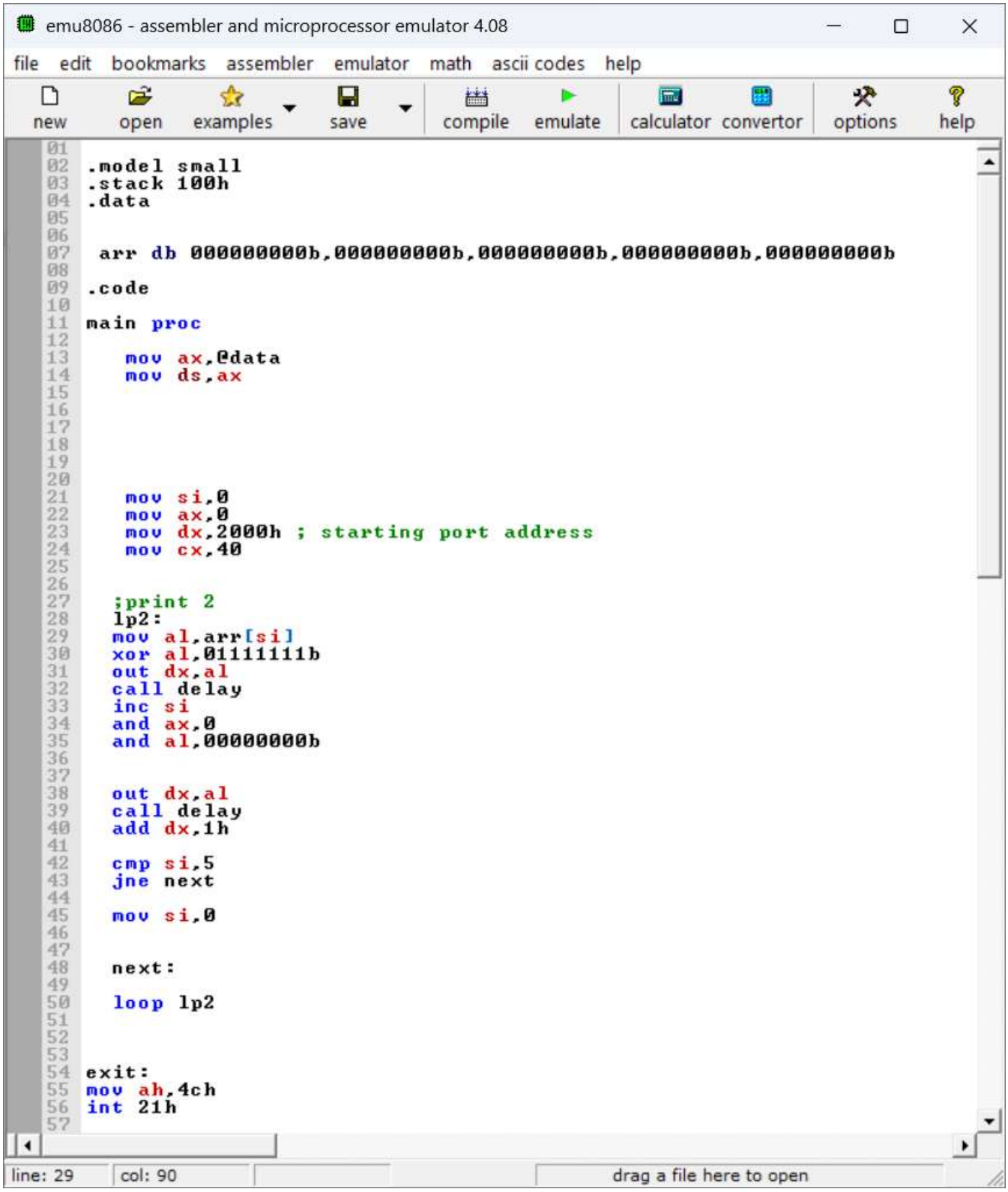
Dot Matrix Display

Tuesday, March 19, 2024 2:12 AM




```
.model small
.stack 100h
.data


 arr db 00000000b,00000000b,00000000b,00000000b,00000000b

.code

main proc

    mov ax,@data
    mov ds,ax









    mov si,0
    mov ax,0
    mov dx,2000h ; starting port address
    mov cx,40


   ;print 2
   lp2:
   mov al,arr[si]
   xor al,01111111b
   out dx,al
   call delay
   inc si
   and ax,0
   and al,00000000b


   out dx,al
   call delay
   add dx,1h

   cmp si,5
   jne next

   mov si,0


   next:

   loop lp2



exit:
mov ah,4ch
int 21h
```

```
main endp


delay proc near

 push cx
 mov cx,15

 lp: loop lp

    pop cx
    ret
delay endp


end main
```