A7 SEGMENT PARA PUBLIC 'CODE'

ASSUME CS:A6

ORG 1000H

START:

;control register turn on

MOV AL,80H

OUT 1FH,AL

MOV AL,0FFH

OUT 19H,AL

MOV AL,80H

OUT 1EH,AL

M: MOV DI,OFFSET FIRST

MOV DL,1AH

M1:

MOV AL,BYTE PTR CS:[DI]

OUT 18H,AL

INC DI

MOV AL,BYTE PTR CS:[DI]

OUT 1AH,AL

INC DI

MOV AL,BYTE PTR CS:[DI]

OUT 1CH,AL

INC DI

MOV AL,BYTE PTR CS:[DI]

OUT 1BH,AL

INC DI

DEC DL

MOV CX,0FFFFH

M2:LOOP M2

CMP DL,00H

JNE M1

JMP L3

FIRST:

;C0 R1

DB 0FFH

DB 0BFH

DB 01H

DB 01H

DB 0FFH

DB 09FH

DB 01H

DB 01H

DB 0FFH

DB 08FH

DB 01H

DB 01H

DB 0FFH

DB 087H

DB 01H

DB 01H

DB 0FFH

DB 83H

DB 01H

DB 01H

DB 0FFH

DB 081H

DB 01H

DB 01H

DB 0FFH

DB 080H

DB 01H

DB 01H

;C7 GREEN

DB 0BFH

DB 0FFH

DB 80H

DB 02H

DB 09FH

DB 0FFH

DB 80H

DB 02H

DB 08FH

DB 0FFH

DB 80H

DB 02H

DB 087H

DB 0FFH

DB 80H

DB 02H

DB 083H

DB 0FFH

DB 80H

DB 02H

DB 081H

DB 0FFH

DB 80H

DB 02H

DB 080H

DB 0FFH

DB 80H

DB 02H

;R0 ORANGE

DB 0FEH

DB 0FEH

DB 02H

DB 0C0H

DB 0FEH

DB 0FEH

DB 06H

DB 0C0H

DB 0FEH

DB 0FEH

DB 0EH

DB 0C0H

DB 0FEH

DB 0FEH

DB 01EH

DB 0C0H

DB 0FEH

DB 0FEH

DB 03EH

DB 0C0H

DB 0FEH

DB 0FEH

DB 07EH

DB 0C0H

;R7 RED

DB 0FFH

DB 07FH

DB 02H

DB 01H

DB 0FFH

DB 07FH

DB 06H

DB 01H

DB 0FFH

DB 07FH

DB 0EH

DB 01H

DB 0FFH

DB 07FH

DB 01EH

DB 01H

DB 0FFH

DB 07FH

DB 03EH

DB 01H

DB 0FFH

DB 07FH

DB 07EH

DB 01H

L3: MOV SI,OFFSET DATA

MOV BL,1AH

L:

MOV AL,BYTE PTR CS:[SI]

OUT 18H,AL

INC SI

MOV AL,BYTE PTR CS:[SI]

OUT 1AH,AL

INC SI

MOV AL,BYTE PTR CS:[SI]

OUT 1CH,AL

INC SI

MOV AL,BYTE PTR CS:[SI]

OUT 1BH,AL

INC SI

DEC BL

MOV CX,0FH

L2:LOOP L2

CMP BL,00H

JNE L

JMP L3

DATA:

;C1

DB 0FFH

DB 0BFH

DB 01H

DB 01H

DB 0FFH

DB 0DFH

DB 01H

DB 01H

DB 0FFH

DB 0EFH

DB 01H

DB 01H

DB 0FFH

DB 0F7H

DB 01H

DB 01H

DB 0FFH

DB 0FBH

DB 01H

DB 01H

DB 0FFH

DB 0FDH

DB 01H

DB 01H

DB 0FFH

DB 0FEH

DB 01H

DB 01H

;C7 GREEN

DB 0BFH

DB 0FFH

DB 80H

DB 02H

DB 0DFH

DB 0FFH

DB 80H

DB 02H

DB 0EFH

DB 0FFH

DB 80H

DB 02H

DB 0F7H

DB 0FFH

DB 80H

DB 02H

DB 0FBH

DB 0FFH

DB 80H

DB 02H

DB 0FDH

DB 0FFH

DB 80H

DB 02H

DB 0FEH

DB 0FFH

DB 80H

DB 02H

;R0 ORANGE

DB 0FEH

DB 0FEH

DB 02H

DB 0C0H

DB 0FEH

DB 0FEH

DB 04H

DB 0C0H

DB 0FEH

DB 0FEH

DB 08H

DB 0C0H

DB 0FEH

DB 0FEH

DB 10H

DB 0C0H

DB 0FEH

DB 0FEH

DB 20H

DB 0C0H

DB 0FEH

DB 0FEH

DB 40H

DB 0C0H

;R7

DB 0FFH

DB 07FH

DB 02H

DB 01H

DB 0FFH

DB 07FH

DB 04H

DB 01H

DB 0FFH

DB 07FH

DB 08H

DB 01H

DB 0FFH

DB 07FH

DB 10H

DB 01H

DB 0FFH

DB 07FH

DB 20H

DB 01H

DB 0FFH

DB 07FH

DB 40H

DB 01H

EXIT:

A7 ENDS

END START