

A7 SEGMENT PARA PUBLIC 'CODE'	OUT 1AH,AL	DB 0FFH	DB 0FFH
	INC DI	DB 09FH	DB 080H
ASSUME CS:A6	MOV AL,BYTE	DB 01H	DB 01H
ORG 1000H	PTR CS:[DI]	DB 01H	DB 01H
	OUT 1CH,AL		
START:	INC DI	DB 0FFH	;C7 GREEN
;control register turn on	MOV AL,BYTE PTR CS:[DI]	DB 08FH	DB 0BFH
MOV AL,80H	OUT 1BH,AL	DB 01H	DB 0FFH
OUT 1FH,AL	INC DI	DB 01H	DB 80H
	DEC DL		DB 02H
MOV AL,0FFH		DB 0FFH	
OUT 19H,AL	MOV CX,0FFFFH	DB 087H	DB 09FH
	M2:LOOP M2	DB 01H	DB 0FFH
MOV AL,80H		DB 01H	DB 80H
OUT 1EH,AL	CMP DL,00H		DB 02H
	JNE M1	DB 0FFH	
M: MOV DI,OFFSET FIRST	JMP L3	DB 83H	DB 08FH
		DB 01H	DB 0FFH
MOV DL,1AH		DB 01H	DB 80H
M1:	FIRST:		DB 02H
	;C0 R1		
MOV AL,BYTE PTR CS:[DI]	DB 0FFH	DB 0FFH	
OUT 18H,AL	DB 0BFH	DB 081H	DB 087H
INC DI	DB 01H	DB 01H	DB 0FFH
MOV AL,BYTE PTR CS:[DI]	DB 01H	DB 01H	DB 80H
			DB 02H

DB 083H	DB 0FEH	DB 0FFH	L3: MOV SI,OFFSET
DB 0FFH	DB 0FEH	DB 07FH	DATA
DB 80H	DB 0EH	DB 06H	MOV BL,1AH
DB 02H	DB 0C0H	DB 01H	L:
DB 081H	DB 0FEH	DB 0FFH	
DB 0FFH	DB 0FEH	DB 07FH	
DB 80H	DB 01EH	DB 0EH	MOV AL,BYTE
DB 02H	DB 0C0H	DB 01H	PTR CS:[SI]
			OUT 18H,AL
			INC SI
DB 080H	DB 0FEH	DB 0FFH	MOV AL,BYTE
DB 0FFH	DB 0FEH	DB 07FH	PTR CS:[SI]
DB 80H	DB 03EH	DB 01EH	OUT 1AH,AL
DB 02H	DB 0C0H	DB 01H	INC SI
;R0 ORANGE			MOV AL,BYTE
DB 0FEH	DB 0FEH	DB 0FFH	PTR CS:[SI]
DB 0FEH	DB 0FEH	DB 07FH	OUT 1CH,AL
DB 02H	DB 07EH	DB 03EH	INC SI
DB 0C0H	DB 0C0H	DB 01H	MOV AL,BYTE
	;R7 RED		PTR CS:[SI]
DB 0FEH	DB 0FFH	DB 0FFH	OUT 1BH,AL
DB 0FEH	DB 07FH	DB 07FH	INC SI
DB 06H	DB 02H	DB 07EH	DEC BL
DB 0C0H	DB 01H	DB 01H	MOV CX,0FH

L2:LOOP L2	DB 01H	;C7 GREEN	DB 02H
		DB 0BFH	
		DB 0FFH	
	DB 0FFH	DB 80H	DB 0FDH
CMP BL,00H	DB 0F7H	DB 02H	DB 0FFH
JNE L	DB 01H		DB 80H
	DB 01H	DB 0DFH	DB 02H
JMP L3		DB 0FFH	
		DB 80H	
DATA:	DB 0FFH	DB 02H	DB 0FEH
;C1	DB 0FBH		DB 0FFH
DB 0FFH	DB 01H	DB 0EFH	DB 80H
DB 0BFH	DB 01H	DB 0FFH	DB 02H
DB 01H		DB 80H	
DB 01H		DB 02H	;R0 ORANGE
	DB 0FFH		DB 0FEH
DB 0FFH	DB 0FDH	DB 0F7H	DB 0FEH
DB 0DFH	DB 01H	DB 0FFH	DB 02H
DB 01H	DB 01H	DB 80H	DB 0C0H
DB 01H		DB 02H	
			DB 0FEH
	DB 0FFH		DB 0FEH
DB 0FFH	DB 0FEH	DB 0FBH	DB 04H
DB 0EFH	DB 01H	DB 0FFH	DB 0C0H
DB 01H	DB 01H	DB 80H	

DB 0FEH		
DB 0FEH	DB 0FFH	EXIT:
DB 08H	DB 07FH	
DB 0C0H	DB 04H	A7 ENDS
	DB 01H	END START
DB 0FEH		
DB 0FEH	DB 0FFH	
DB 10H	DB 07FH	
DB 0C0H	DB 08H	
	DB 01H	
DB 0FEH		
DB 0FEH	DB 0FFH	
DB 20H	DB 07FH	
DB 0C0H	DB 10H	
	DB 01H	
DB 0FEH		
DB 0FEH	DB 0FFH	
DB 40H	DB 07FH	
DB 0C0H	DB 20H	
	DB 01H	
;R7		
DB 0FFH	DB 0FFH	
DB 07FH	DB 07FH	
DB 02H	DB 40H	
DB 01H	DB 01H	