TITLE-- TRAF3

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TRAF3 SEGMENT

ASSUME CS:TRAF3, DS:TRAF3 ,ES:TRAF3

ORG 100H ;COM FORMAT IS RECOMMENDED.

STRT: JMP SKIP\_DATA ;SKIP LOOK UP/ DATA BASES IF ANY

;ON KIT YOU NEED TO DO INIT FOR SP [TO SEPARATE STACK OF YOUR PROGRAME FROM

;MONITORS],DS AS SHOWN BELOW.SS,ES ARE SET TO 0000 AT POWER ON BY MONITOR.

;YOU CAN OFCOURSE CHANGE IT BY ADDING A FEW MORE MOVE`S.

;BUT WHILE WORKING ON PC YOU CAN`T TOUCH SEGMENT REGISTERS SINCE THEY ARE

;SET BY DOS LOADER,SO MANAGE THESE INSTRUCTIONS AS SHOWN IN COMMENT FIELD.

SKIP\_DATA:MOV AX,11FFH ;INIT OF SP FOR KIT

STRT1: MOV SP,AX ;MOV AX,AX ON PC

PUSH CS ;THIS IS THE BEST WAY TO LOAD DS

POP DS ;WITH SEGMENT VALUE.

NOP ;LOAD KIT INT S (A0-BF) IN PC USING

NOP ;CALL LDINPC

NOP ;PLACE ABOVE CALL IN PLACE OF 3 NOP`S

MOV AL,80H ;SET ALL PORTS

MOV DX,8006H ;OF LOWER 8255 AS

OUT DX,AX ;OUTPUT PORTS

START: MOV AL,61H ;TURN ALL RED SIGNALS

MOV DX,8000H ;"ON"

OUT DX,AL

MOV AL,68H

MOV DX,8002H

OUT DX,AL

MOV AL,86H

MOV DX,8004H

OUT DX,AL

MOV AL,60H

MOV DX,8000H ;TURN OFF 2 RED & 7 RED

OUT DX,AL

MOV AL,48H

MOV DX,8002H

OUT DX,AL

MOV AL,64H ;TURN "ON" 2 GREEN AND 7 GREEN

MOV DX,8000H

OUT DX,AL

MOV AL,58H

MOV DX,8002H

OUT DX,AL ;

CALL DELAY1 ;LOAD DELAY COUNT

;INT 0AAH ;CALL DELAY 4 TIMES

;INT 0AAH ;

; INT 0AAH ;

; INT 0AAH ;

MOV AL,60H

MOV DX,8000H ;TURN "OFF" 2 GREEN & 7 GREEN

OUT DX,AL

MOV AL,48H

MOV DX,8002H

OUT DX,AL

MOV AL,62H ;TURN "ON" 2 GREEN & 7 YELLOW

MOV DX,8000H

OUT DX,AL ;

CALL DELAY2 ;

MOV AL,60H ;TURN "OFF" 2 YELLOW & 7 YELLOW

MOV DX,8000H

OUT DX,AL

MOV AL,61H

MOV DX,8000H

OUT DX,AL

MOV AL,68H ;TURN "ON" ALL RED SIGNALS

MOV DX,8002H ;

OUT DX,AL ;

CALL DELAY2 ;

MOV AL,41H ;TURN ON 3R & 9R

MOV DX,8000H

OUT DX,AL

MOV AL,06H

MOV DX,8004H

OUT DX,AL

MOV AL,49H ;TURN ON 3G & 9G

MOV DX,8000H ;

OUT DX,AL

MOV AL,26H

MOV DX,8004H

OUT DX,AL

CALL DELAY1 ;CALL DELAY 4 TIMES

; INT 0AAH ;

; INT 0AAH ;

; INT 0AAH ;

MOV AL,41H ;TURN "OFF" 3G & 9G

MOV DX,8000H

OUT DX,AL

MOV AL,06H

MOV DX,8004H

OUT DX,AL

MOV AL,51H ;TURN ON 3Y & 9Y

MOV DX,8000H ;

OUT DX,AL

MOV AL,46H

MOV DX,8004H

OUT DX,AL

CALL DELAY2 ;CALL DELAY

MOV AL,41H ;TURN "OFF" 3Y & 9Y

MOV DX,8000H

OUT DX,AL

MOV AL,06H

MOV DX,8004H

OUT DX,AL

MOV AL,61H ;TURN "ON" ALL RED SIGNALS

MOV DX,8000H

OUT DX,AL

MOV AL,86H

MOV DX,8004H

OUT DX,AL

CALL DELAY2 ;CALL DELAY

MOV AL,60H ;TURN "OFF" 5R & 6R

MOV DX,8002H

OUT DX,AL

MOV AL,82H

MOV DX,8004H

OUT DX,AL

MOV AL,62H ;TURN "ON" 5G & 6G

MOV DX,8002H ;PEDESTRIAN CROSSING

OUT DX,AL

MOV AL,92H

MOV DX,8004H

OUT DX,AL

CALL DELAY1 ;

MOV AL,60H ;TURN "OFF" 5G & 6G

MOV DX,8002H

OUT DX,AL

MOV AL,82H

MOV DX,8004H

OUT DX,AL ;

MOV AL,64H ;TURN "ON" 5R & 6R

MOV DX,8002H ;

OUT DX,AL ;CALL DELAY

MOV AL,8AH

MOV DX,8004H

OUT DX,AL

CALL DELAY2

MOV AL,60H

MOV DX,8002H ;TURN "OFF" 4R & 8R

OUT DX,AL ;

MOV AL,82H ;TURN "ON" 4G & 8G

MOV DX,8004H ;

OUT DX,AL

MOV AL,68H

MOV DX,8002H

OUT DX,AL

MOV AL,86H

MOV DX,8004H

OUT DX,AL

CALL DELAY2 ;CALL DELAY 4 TIMES

; INT 0AAH ;

; INT 0AAH ;

; INT 0AAH ;

MOV AL,21H

MOV DX,8000H ;TURN "OFF" 4G & 8G

OUT DX,AL ;

MOV AL,28H ;TURN "ON" 4Y & 8Y

MOV DX,8002H ;

OUT DX,AL

MOV AL,29H

MOV DX,8002H

OUT DX,AL

MOV AL,87H

MOV DX,8004H

OUT DX,AL

CALL DELAY1 ;CALL DELAY

MOV AL,21H

MOV DX,8002H

OUT DX,AL

MOV AL,86H ;TURN "OFF" 4Y & 8Y

MOV DX,8004H

OUT DX,AL ;

MOV AL,0A1H ;TURN "ON" 4R & 8R

MOV DX,8000H ;

OUT DX,AL

MOV AL,0A8H

MOV DX,8002H

OUT DX,AL

CALL DELAY2 ;CALL DELAY

MOV AL,21H

MOV DX,8000H ;TURN "OFF" 1R & 7R

OUT DX,AL ;

MOV AL,28H ;TURN "ON" 1G & 7G

MOV DX,8002H ;

OUT DX,AL

MOV AL,61H

MOV DX,8000H

OUT DX,AL

MOV AL,68H

MOV DX,8002H

OUT DX,AL

CALL DELAY2

JMP START

DELAY2:INT 0AAH

INT 0AAH

INT 0AAH

RET

DELAY1: CALL DELAY2

CALL DELAY2

CALL DELAY2

CALL DELAY2

CALL DELAY2

RET

TRAF3 ENDS ;READ FOR MORE INFO TITLE OF KIT\_INTS.ASM

END STRT