

## Lab (BCD upcounter)

⑧ Display no. from 00 to 90.

• mode small

• code

mov cl, 00

mov ah, 00h

mov al, 03h

int 10h

; setup text mode

Back: mov bh, 00h

mov dh, 00h

mov dl, 00h

mov ah, 02h

int 10h

mov ~~ad~~, al, cl

add al, 00h

AAM

Add AX, 3030h

mov CH, AL

mov dl, ah

mov ah, 02h

int 21h

mov dl, ch

mov ah, 02h

int 21h

; save

; ;

call delay  
inc cl  
XOR AX, AX  
cmp CL, 100D

JNE Back  
JE LAST

Delay Proc Near.

Push AX

Push BX

Push CX

MOV CX, ~~00F~~ 00FFH ; delay  $f^2$ .

AG: ~~MOV, 00FFH~~ mov BX, 0FFFH

AG1: NOP ; No operation

dec BX

JNZ AG1

dec CX

JNZ AG

POP CX

POP BX

POP AX

RET

Delay Endp

Last: movah, 4ch

int 2/h

end.