

```
.MODEL SMALL  
.CODE  
MOV CL,00  
MOV AH,00H  
MOV AL,03H  
INT 10H  
BACK:MOV BH,00H  
MOV DH,00H  
MOV DL,00H  
MOV DL,00H  
MOV AH,02H  
INT 10H  
MOV AL,CL  
ADD AL,00H  
AAM ;0000  
ADD AX,3030H ;3030  
MOV CH,AL  
MOV DL,AH  
MOV AH,02H  
INT 21H  
MOV DL,CH  
MOV AH,02H  
INT 21H  
CALL DELAY  
INC CL  
XOR AX,AX  
CMP CL,151D  
JNE BACK  
JE LAST
```

```
INT 21H
CALL DELAY
INC CL
XOR AX,AX
CMP CL,151D
JNE BACK
    JE LAST

DELAY PROC NEAR
PUSH AX
PUSH BX
PUSH CX
MOV CX,00FFH
AG:MOV BX,0FFFH
AG1:NOP
DEC BX
JNZ AG1
DEC CX
JNZ AG
POP CX
POP BX
POP AX
RET
ENDP
LAST:MOV AH,4CH
INT 21H
END
```

# Stimulate Decimal up-counter

classmate

Date

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MODEL SMALL

CODE

MOV CL, 00

MOV AH, 00H

MOV AL, 03H

INT 10H

BACK: MOV BH, 00H

MOV DH, 00H

MOV DL, 00H

MOV DL, 00H

MOV AH, 02H

INT 10H

MOV AL, CL

ADD AL, 00H

AAM

~~ADD~~ ADD AX, 3030H

MOV CH, AL

MOV DL, AH

MOV AH, 02H

INT 21H

MOV DL, CH

MOV AH, 02H

INT 21H

CALL DELAY

JNC CL

XOR AX, AX

CMP CL, 1000

JNE BACK

JE LAST

DELAY PROC NEAR

PUSH AX



```

PUSH BX
PUSH CX
MOV CX, 00FFH
AG: MOV BX, 0FFH
AG1: NOP
DEC BX
JNZ AG1
DEC CX
JNZ AG
POP CX
POP BX
POP AX
RET
DELAY ENDP
LAST: MOV AH, 4CH
INT 21H
END

```



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