

Q Decimal-Up Counter

- 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 ah, 02h
```

```
int 10h
```

```
mov 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
```

```
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, 0ffh

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

— X — X — X —