

```
org 100h    ;.model small
```

```
mov bx, 0 ; total step counter. intilization
```

```
mov cx, 5
```

```
k1: add bx, 1
```

```
    mov al, '1'
```

```
    mov ah, 0eh
```

```
    int 10h                ;<tr>    </tr>
```

```
    push cx
```

```
    mov cx, 5
```

```
    k2: add bx, 1
```

```
    mov al, '2'
```

```
    mov ah, 0eh
```

```
    int 10h    ;int 21h
```

```
    loop k2    ; internal loop.
```

```
    pop cx
```

```
    loop k1    ; external loop.
```

```
Ret
```

;Condition

include "emu8086.inc"

org 100h ;.model small

mov al, 5

mov bl, 6

cmp al, bl ; compare al - bl. ;it compare two values

jne not_equal ; jump if al <> bl (zf = 0). ;conditional jump

jmp equal ;12:

not_equal:

add bl, al

sub al, 10 ;

xor al, bl

jmp skip_data

db 256 dup(0) ; 256 bytes

skip_data:

putc 'n' ; if it gets here, then al <> bl, ;hometask string type parameter

jmp stop ; so print 'n', and jump to stop.

equal: ; if gets here,

putc 'y' ; then al = bl, so print 'y'.

stop:

ret ;return for procedure