3.
```
. mode small
. data
a    db 30
t    db 20
c    db ?
. code
            mov   ax, @data
            mov   ds, ax
            mov   al, a
            sub   al, t
            mov   c, al
            mov   ah, 4ch
            int   21h
            end
```

4.

```
    .model small
    .data
a       db  5
b       db  2
c       dw  ?
    .code
        mov  ax, @data
        mov  ds, ax
        mov  al, a
        mul  b
        mov  c, ax
        mov  ah, 4ch
        int  21h
        end
```

```
5.  . model small
    . data
    a    dw  1234
    t    db   67
    quot  db  ?
    rem   db  ?
    . code
            mov   cx, @data
            mov   dч, ax
            mov   al, ah
            div   t
            mov   quot, al
            mov   rem, cl
            mov   ah, 4ch
            int   21h
            end
```

DOSBox 0.74-3, Cpu speed: 3000 cycles, Frameskip 0, Program: EDIT

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C:\MASM\MUL.ASM

```
.model small
.data
a dw 1234
b db 67
quot db ?
rem db ?
.code
      mov ax,@data
      mov ds,ax
      mov al,b
      div a
      mov quot,al
      mov rem, ah
      mov ah, 4ch
      int 21h
      end
```

F1=Help   Line:1   Col:1

```
.model small
.data
a db 5
b db 2
c dw ?
.code
    mov ax,@data
    mov ds,ax
    mov al,a
    mul b
    mov c,ax
    mov ah,4ch
    int 21h
    end
```

DOSBox 0.74-3, Cpu speed: 3000 cycles, Frameskip 0, Program: EDIT

File Edit Search View Options Help

C:\MASM\A1.ASM

```
.model small
.data
a db 30
b db 20
c db ?
.code
    mov ax,@data
    mov ds,ax
    mov al,a
    sub al,b
    mov c,al
    mov ah,4ch
    int 21h
    end
```

F1=Help   Line:1   Col:1