```asm
.model small
.data
a dw 245
b dw 25
c dw 34
d dw 50
r1 dw ?
r2 dw ?
r3 dw ?
quo db ?
rem db ?

.code
mov ax,@data
mov ds,ax
mov ax,a
mov bx,b
add ax,bx
mov r1,ax

mov ax,c
mov bx,d
add ax,bx
mov r2,ax

mov ax,b
mov bx,d
add ax,bx
mov r3,ax
```

mov ax,r1

mul r2

div r3

mov quo ,al
mov rem ,ah

mov ah,4ch
int 21h
end