

```
.model small

.stack

.data
    msg1 db 10, 13, "Addition: $"
    msg2 db 10, 13, "Subtraction: $"
    num1 dw 4536h
    num2 dw 2312h
    res dw ?

.code

    disp macro xx
        mov ah, 09
        lea dx, xx
        int 21h
    endm

.startup
    call addproc
    mov ah, 04h
    int 21h

proc addproc
    disp msg1
    mov ax, num1
    add ax, num2
    mov res, ax
    call disp1
    ret
endp

proc disp1
    mov bx, res
    and bh, 0f0h
```

```
mov cl, 4
shr bh, cl
add bh, 30h
mov dl, bh
mov ah, 02h
int 21h
```

```
mov bx, res
and bh, 0fh
add bh, 30h
mov dl, bh
mov ah, 02h
int 21h
```

```
mov bx, res
and bl, 0f0h
mov cl, 4
shr bl, cl
add bl, 30h
mov dl, bl
mov ah, 02h
int 21h
```

```
mov bx, res
and bl, 0fh
add bl, 30h
mov dl, bl
mov ah, 02h
int 21h
```

```
ret
```

endp

ends

end