

Microprocessor μP

DEBUG: 01 — Overflow Happened (adding 100 to 50)

C:\Users\Mostafa>debug

-a 0100

1396:0100 mov ah,64

1396:0102 add ah,32

1396:0105

-r

AX=0000 BX=0000 CX=0000 DX=0000 SP=FFEE BP=0000 SI=0000 DI=0000

DS=1396 ES=1396 SS=1396 CS=1396 IP=0100 NV UP EI PL NZ NA PO NC

1396:0100 B464 MOV AH,64

-t

AX=6400 BX=0000 CX=0000 DX=0000 SP=FFEE BP=0000 SI=0000 DI=0000

DS=1396 ES=1396 SS=1396 CS=1396 IP=0102 NV UP EI PL NZ NA PO NC

1396:0102 80C432 ADD AH,32

-r f

NV UP EI PL NZ NA PO NC -

-t

AX=9600 BX=0000 CX=0000 DX=0000 SP=FFEE BP=0000 SI=0000 DI=0000

DS=1396 ES=1396 SS=1396 CS=1396 IP=0105 OV UP EI NG NZ NA PE NC

1396:0105 0000 ADD [BX+SI],AL DS:0000=CD

-r f

OV UP EI NG NZ NA PE NC -

-