MOV AX, 0100h

MOV DS, AX

MOV BX, 1000h

MOV [BX], 5E00h ; B2D05E00

MOV [BX+2], 0B2D0h ; 3,000,000,000

MOV [BX+4], 0CA00h ; 3B9ACA00

MOV [BX+6], 3B9Ah ; 1,000,000,000

MOV AX, [BX] ; 5E00

ADD AX, [BX+4] ; CA00 + 5E00

MOV [BX+8], AX ; 2800

MOV AX, [BX+2] ; B2D0

ADC AX, [BX+6] ; 3B9A + B2D0 + CARRY

MOV [BX+10], AX ; EE6B2800

MOV AH, 4Ch

INT 21h

MOV AX, 0100h

MOV DS, AX

MOV BX, 1000h

MOV [BX], 5E00h

MOV [BX+2], 0B2D0h ;3,000,000,000

MOV [BX+4], 0CA00h

MOV [BX+6], 3B9Ah ;1,000,000,000

MOV AX, [BX]

SUB AX, [BX+4]

MOV [BX+8], AX

MOV AX, [BX+2]

SBB AX, [BX+6] ; 2,000,000,000

MOV [BX+10], AX ; 77359400h

MOV AH, 4Ch

INT 21h

MOV AX, 0100h

mov DS, AX

MOV BX, 1000h

MOV [BX], 2800h

MOV [BX+2], 0EE6Bh ;4billion

MOV [BX+4], 9400h

MOV [BX+6], 7735h ;2billion

MOV AX, [BX+2]

CMP AX, [BX+6]

JA Subtract

Adding:

MOV AX, [BX]

ADD AX, [BX+4]

MOV [BX+8], AX

MOV AX, [BX+2]

ADC AX, [BX+6]

MOV [BX+10], AX

JMP ReturnToOS

Subtract:

MOV AX, [BX]

SUB AX, [BX+4]

MOV [BX+8], AX

MOV AX, [BX+2]

SBB AX, [BX+6]

MOV [BX+10], AX

ReturnToOS:

MOV AH, 4Ch

INT 21h