

CODE:

```
INCLUDE Irvine32.inc

.data
first_num QWORD 0123456789ABCDh
second_num QWORD 034DCBA9876543h
answer QWORD 1 dup(0)

str1 BYTE"          Subtraction of two binary numbers is ==> ",0
formula = SIZEOF first_num / TYPE DWORD

.code
main PROC

    mov esi,OFFSET first_num
    mov edi,OFFSET second_num
    mov ebx,OFFSET answer
    mov ecx,formula
    call Extended_Sub
    call crlf

    mov edx,OFFSET str1
    call writestring

    mov esi,OFFSET answer
    add esi,formula*4
    mov ecx,formula

L1:
    sub esi,TYPE DWORD
    mov eax,[esi]
    call WriteHex
    loop L1

    call Crlf
    exit
```

```

    main ENDP

Extended_Sub proc

    pushad

    cld

L1:

    mov eax,[esi]

    sbb eax,[edi]

    pushfd

    mov[ebx],eax

    add esi,4

    add edi,4

    add ebx,4

    popfd

    loop L1

    sbb word ptr[ebx],0

    popad

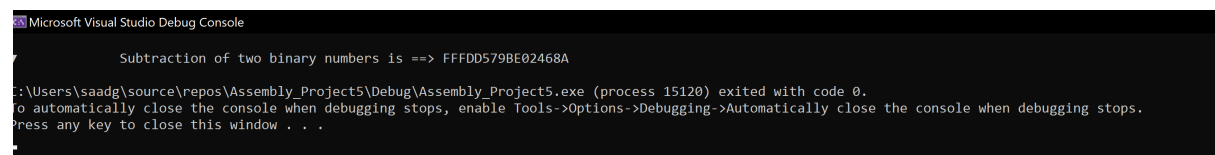
    ret

Extended_Sub ENDP

end main

```

OUTPUT:



```

Microsoft Visual Studio Debug Console

Subtraction of two binary numbers is ==> FFFDD579BE02468A

C:\Users\saadg\source\repos\Assembly_Project5\Debug\Assembly_Project5.exe (process 15120) exited with code 0.
To automatically close the console when debugging stops, enable Tools->Options->Debugging->Automatically close the console when debugging stops.
Press any key to close this window . . .

```