**;Solve problem 5 for subtraction of 16-bit numbers.**

**.MODEL SMALL**

**.STACK 64**

**.CODE**

**MOV DI,0204H**

**MOV [DI],9FFFH**

**MOV [DI-2],1111H**

**MOV AX,0000H**

**MOV BX,0000H**

**MOV DI,0202H**

**MOV AX,[DI]**

**SUB AX,[DI+2]**

**JNC TE**

**INC BX**

**TE: MOV DI,0206H**

**MOV [DI],AX**

**MOV [DI+2],BX**

**MOV AH,4CH**

**INT 21H**

**END**