

Short Quiz - 4
EE-390
Set A

Name: _____

ID No: _____

Execute the following program and find the contents of the required registers and the memory contents of the stack segment Assume AX=BX=CX=DX=SI=DI=0 and all stack-memory contents are also initially zero.

```

Title "Quiz "
.MODEL small
.STACK 32
.DATA
.CODE
    MOV AX,@DATA
    MOV DS ,AX
    MOV ES, AX
    MOV SP, 00ADH
    MOV AX, 5992H
    CMP AX, 7865H
    JA 121AH
    PUSH AX
    PUSH SP
    CALL SUB1
CS:121AH :POP BX
CS:121CH :MOV AX, 4C00H
    INT 21H
    SUB1 PROC NEAR
        MOV BX, SP
        MOV CX, 000AH
        MOV SI, 0500H
        MOV DI, 0050H
        CLD
        MOVSB
        RET
    ENDP
END

```

Write the appropriate values:

	Stack Segment
SS:00AF	
SS:00AD	
SS:00AB	
SS:00A9	
SS:00A7	
SS:00A5	

After the program execution find:

BX = _____ ;

SI = _____ ;