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, 5229H
           CMP    AX, 7865H
           JA     121AH
           PUSH   AX
           PUSH   SP
           CALL   SUB1
CS:121AH :POP     DX
CS:121CH :MOV     AX, 4C00H
           INT    21H
              SUB1  PROC NEAR
                   MOV  DX, SP
                   MOV  CX, 000AH
                   MOV  SI, 0050H
                   MOV  DI, 0500H
                   CLD
                   MOVSB
                   RET
                ENDP
        END
```

After executing the program, find:

 DX = _____ ;

 SI = _____ ;

Write the appropriate values:

Stack
Segment

SS**:**00AF [ ]

SS:00AD [ ]

SS:00AB [ ]

SS:00A9 [ ]

SS:00A7 [ ]

SS:00A5 [ ]