

Roshmi DASH

18M19CS133

• MODEL SMALL

DISPLAY MACRO MSG

LEA DX, MSG

MOV AH, 09H

INT 21H

ENDM

• DATA

MSG1 DB 0DH, 0AH

MSG2 DB 0DH, 0AH

MSG3 DB 0DH, 0AH

MSG4 DB 0DH, 0AH

STRING DB 80H DUP

RSTRING DB 80H DUP

• CODE

START: MOV AX, @DATA

MOV DS, AX

DISPLAY MSG1

MOV SI, OFFSET STRING

XOR CL, CL

AGAIN: MOV AH, 09H

INT 21H

CMP AL, 0DH

JE NEXT

MOV [SI], AL

INC SI

INC CL

JMP AGAIN

NEXT: MOV [SI], BYTE PTR

DEC SI

MOV CH, CL

MOV DI, OFFSET RSTRING

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BACK: MOV AL, [SI]
      MOV [DI], AL
      DEC SI
      INC DI
      DEC CH
      JNZ BACK
      MOV [DI], BYTE PTR

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```

      DISPLAY MSG2
      DISPLAY RSTRING
      MOV SI, OFFSET STRING
      MOV DI, OFFSET RSTRING

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AG: MOV AL, [SI]
    CMP AL, [DI]
    JNE FAIL

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    INC SI
    INC DI
    DEC CX

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    JZ SUCCESS
    JMP AG

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FAIL: DISPLAY MSG4
      JMP FINAL

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SUCCESS: DISPLAY MSG3

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FINAL: MOV AH, 4CH
        INT 21H

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END

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