lab experiment 4; String Comparison MODEL SMALL DISPLAY MACRO MSG LEA DX, MSG MOV AH, O9H INT 21H ENDM · MATA MSG1 DB ODH, OAH," ENTER FIRST STRING : \$" MSG 2 DB ODH, OAH," ENTER SECOND STRING: \$" MSG18 DB ODH, OAH," LENGTH OF FIRST STRING: \$" MSG14 DB ODH, DAH," LENGITH OF SECOND STRING: \$" MSGIS DB ODH, OAH," --- STRINGS ARE EQUAL -- \$" MSG 6 DB ODH, OAH," -- STRINGS ARE NOT EQUAL -- B" STRING 1 DB BOH DUP (?) STRING 2 DB SOH DUPLE · COD E START: MOV ADE, @ DATA mov AS, AX DISPLAY MSG1 MOV SI, OFFSET STRINGI CALL READSTR MOV BL, CL DISPLAY MSG 2 MOV SP, OFFSET STRINGS CALL READSTR PUSH BOC PUSH COC DISPLAY MS GHA 3 MOV AL, BL CALL LENLDIS POP CX POP 13X comp CL, BL JNE FAIL MOV SI, OFFSET STRINGS MOV DE, OFFSET STRING 2 CLD CHIC: MOV AL, CSRI CMP ALI CORT JNE EAIL

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INC SI
     NNC DE
     DEC CL
     JN2 CHK
      DISPLAY MSGIST
      JMP FINAL
LENLOIS PROC NEAR
      XOR AH, AH
       ADD AL, OOH
       AAM
       ADD AX, 3030H
      MOV BH, AL
       mor DL, AH
       MOV AH, OZH
       INT 21H
       MOV DLIBH
       MOV AH, 02H
       INT 21H
 RET
LENLOIS ENDA
READSTR PROC NEAR
       XOR CL, CL
BACK:
        MOV AH, 01H
         JNT
             214
        CMP AL, ODH
         JE FINISH
         MON CSEJ, AL
         INC SI
         INC CL
         JMP BACK
FINISH: MOVESET, BYTE PTR'S'
         RET
READSTR ENDP
        DISPLAY MSC16
FAIL:
FINAL : MOV AH, UCH
         1HT 21H
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END START