

• MODEL SMALL

DISPLAY MACRO MSG

LEA DX, MSG

MOV AH, 09H

INT 21H

END M

• DATA

LIST DB 01H, 05H, 07H, 10H, 12H, 14H

NUMBER EQU (\$-LIST)

KEY DB 10H

MSG1 DB 0DH, 0AH, "ELEMENT FOUND ... \$"

MSG2 DB 0DH, 0AH, "SEARCH FAILED!! NOT FOUND ... \$"

• CODE

START: MOV AX, @DATA.

MOV DS, AX

MOV CH, NUMBER-1

MOV CL, 0DH

AGAIN: MOV SI, OFFSET LIST

XOR AX, AX

CMP CL, CH

JE NEXT

JNE FAILED.

NEXT: MOV AL, CL

ADD AL, CH

SHR AL, 01H

MOV BL, AL

TRISHUL 19
(BMPUCS173)

XOR AH, AH

MOV BP, AX

MOV AL, DS:[BP](SI)

CMP AL, KEY.

JE SUCCESS

JC INFLOW

MOV CH, BL

JMP AGAIN

SUCCESS : DISPLAY MSG 1

JMP FINAL

FAILED: DISPLAY MSG 2

FINAL : MOV AH, 4CH

INT 21H

END START.