

Options Help
C:\N0086\B1SE.ASM

```
MODEL SMALL
DISPLAY MACRO MSG
    LEA DX, MSG
    MOV AH, 09H
    INT 21H
ENDM

.DATA
LIST DB 01H, 05H, 07H, 10H, 12H, 14H
NUMBER EQU ($-LIST)
KEY DB 12H
MSG1 DB 0DH, 0AH, "ELEMENT FOUND IN THE LIST....$"
MSG2 DB 0DH, 0AH, "SEARCH FAILED!ELEMENT NOT FOUND IN THE LIST $"

.CODE
START : MOV AX, @DATA
        MOV DS, AX

        MOV CH, NUMBER-1      : HIGH VALUE....
        MOV CL, 00H           : LOW VALUE...
AGAIN: MOV SI, OFFSET LIST
F1=Help
```

```

C:\N8006\BISE.ASM
AGAIN:  MOV CL, 00H          ; LOW VALUE...
        MOV SI, OFFSET LIST
        XOR AX, AX         ; clear the Ax register
        CMP CL, CH
        JE NEXT
NEXT:   JNC FAILED
        MOV AL, CL
        ADD AL, CH
        SHR AL, 01H        ;DIVIDE BY 2
        MOV BL, AL
        XOR AH, AH         ;CLEAR AH
        MOV BP, AX
        MOV AL, DS:[BP+SI]
        CMP AL, KEY        ;COMPARE KEY AND A[1]
        JE SUCCESS        ;IF EQUAL, DISPLAY SUCCESS MESSAGE
        JE INCLOW
        MOV CH, BL         ;IF KEY>A[1] SHIFT HIGH
        DEC CH
        JMP AGAIN
INCLOW: MOV CL, BL         ;IF KEY<A[1] SHIFT LOW
        INC CL

```

F1=Help

Line:42 Col:1

```

Options Help
C:\N0006\B1SE\ASM

MOV BL, AL
XOR AH, AH          :CLEAR AH
MOV BP, AX
MOV AL, DS:[BP][SI]
CMP AL, KEY         :COMPARE KEY AND A[1]
JE SUCCESS          :IF EQUAL, DISPLAY SUCCESS MESSAGE

JE INCLOW
MOV CH, BL          :IF KEY>A[1] SHIFT HIGH
DEC CH
JMP AGAIN
INCLOW: MOV CL, BL   :IF KEY<A[1] SHIFT LOW
INC CL
JMP AGAIN
SUCCESS: DISPLAY MSG1
        JMP FINAL
FAILED: DISPLAY MSG2
FINAL:  MOV AH, 4CH   :JOB OVER.  TERMINATE...
        INT 21H
        END START

```

DOSBox 0.74-3, Cpu speed: max 100% cycles, Frameskip 0, Program: CV

File	Edit	View	Search	Run	Watch	Options	Calls	Help
local								
source1 CS:IP (ACTIVE)								
052A:0000	002A03	MOV	AX,002A					AX = 0000
052A:0003	8ED8	MOV	DS,AX					BX = 0000
052A:0005	B505	MOV	CH,05					CX = 0000
052A:0007	B100	MOV	CL,00					DX = 0000
052A:0009	BE0E00	MOV	SI,000E					SP = 0000
052A:000C	33C0	XOR	AX,AX					BP = 0000
052A:000E	3ACD	CMP	CL,CH					SI = 0000
052A:0010	7402	JZ	0014					DI = 0000
052A:0012	732E	JNB	0012					DS = 051A
052A:0014	8AC1	MOV	AL,CL					ES = 051A
052A:0016	02C5	ADD	AL,CH					SS = 0529
052A:0018	D0EB	SHR	AL,1					CS = 052A
052A:001A	8AD8	MOV	BL,AL					IP = 0000
052A:001C	32E4	XOR	AH,AH					FL = 0200
052A:001E	8BE8	MOV	BP,AX					
052A:0020	3E8A02	MOV	AL,Byte Ptr DS:[BP+SI]					
command								
CU1053 Warning: TOOLS.INI not found								
CU0101 Warning: No symbolic information for C:\0006\bisc.EXE								
>								