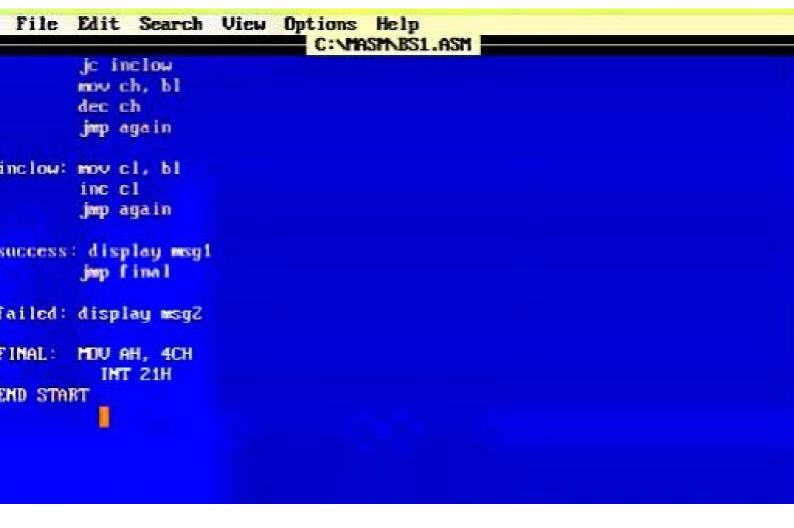
```
File Edit Search View Options Help
                                C:\MASH\BS1.ASH
 model small
:macro to display the message.
display macro msg
         lea dx, msq
         mov ah, 09h
         int 21h
endm
 .data
 list db 01h,05h,07h,10h,12h,14h
number equ ($-list)
key db 012h
msg1 db Odh, Oah, "element found in the list ... $"
msg2 db Odh, Gah, "search failed!! Element not found in the list $"
 code
start
        mov ax, Odata
         moğ ds, ax
         mov ch, number-1
         mov cl, 66h
again:
        mov si, offset list
Fi=Help
                                                         Line:1
                                                                   Col:1
```

```
C:\MASH\BS1.ASM
again:
        mov si, offset list
        xor ax, ax
        cmp cl, ch
        je next
        jnc failed
        mov al, cl
next:
        add al, ch
        shr al, 01h
        mov bl. al
        mur ah, ah
        mov bp. ax
        mov al, ds:[bpl[si]
        camp al, key
        je success
        je inclow
        mov ch, bl
        dec ch
        jm again
inclow: mov cl, bl
        inc cl
        imm ana in
```



```
Copyright (C) Microsoft Corp 1981-1985, 1987. All rights reserved.

Unable to open input file: SB1.ASM

C:\MasHbMasH BS1 ;;
Microsoft (R) Macro Assembler Version 5.00

Copyright (C) Microsoft Corp 1981-1985, 1987. All rights reserved.

S1488 * 465056 Bytes symbol space free

0 Warning Errors
0 Severe Errors

C:\MasHbLINK BS1 ;;

Microsoft (R) Overlay Linker Version 3.60

Copyright (C) Microsoft Corp 1983-1987. All rights reserved.

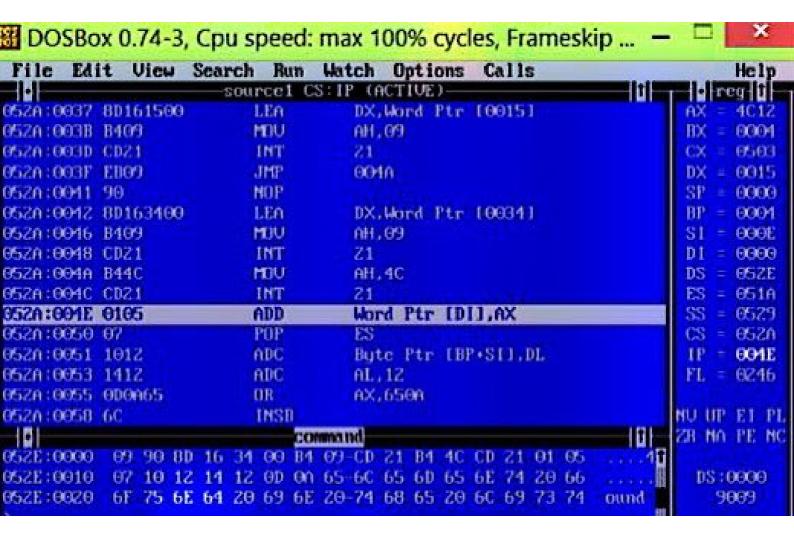
LINK : warning L4021: no stack segment

C:\MasHbBS1

element found in the list...

C:\MasHb
```

🔠 DOSBox 0.74-3, Cpu speed: 3000 cycles, Frameskip 0, ... 🗕 🗀



Carlo de Marie and The	Date Page	
MODEL JMALL FEET LAND LIGHT		
DISPLAY MACRO MSG	VIV IA WAY	
LEA DX, MSG	MANUAL AP	
MOV AH, O9H	CA 1 1/81 1 T.	
INT AIM	IN THIS ARM	
ENDM	11' 7 17	
WALL TRUE ETTA > VAV M :	CALOUTA THAT	
. DATA	19 15 1010 15 2019	
LIST DB OIH, OSH, OZH, IOH, IZH, 14H	TALANA asal	
NUMBER EQU (\$-LIST)	TATIM PARTITION	
KEY DB OIZH	TACIL) THE	
MS41 DB BOH, DAH, ELEMENT FOUND IN		
MS42 DB OAH, OAH, "SEARCH FAILED !! ELEMENT NOT FOUND IN THE U		
	1/15 7/41	
. CODE	TAATI AMI	
START: MOV AX, @DATA		
XA, 20 VOM		
MOV CH, NUMBER-1; KINH VI	ALUF.	
MOV CL, OOM ; LOW VA		
	TLUE	
AGAINI MOUSI, OFFSET LIST		
XOR AX , AX		
cmp a, u		
JE NEXT		
JNC FAILED		
NEXT: MOV AL, CL		
ADD AL, CH	,	
SHR AL, OIH; DIVID	E BY 2	
MOV BL, AL		
	AR AH	
XOR AH, AH ; CLE		
MOV BP, AX		
[IZ][98]:20 , JA VOM		

=	
_	CMP AL, KEY; COMPARE KEY AND A[I]
	JE SUCCESS; IF EQUAL, DISPLAY SUCCESS MESSAME
	JC INCLOW DOM TO ASI
	MOV CH, BL ; IF KEY > ACT] SHIFT HIGH MA MAN
	DEC CH
	TMP AGAIN
	INCLOW: MOV U, BL ; IF KEY < ACIJ SHIPT LOW
	INC U
	JMP AGAIN HALL HOLL HED HED HED HED
	SUCCESS: DISPLAY MSG1
	JMP FINAL
	FAILED: DISPLAY MS42 (1; JOB OVER; TERMINATED HO
	FINALI: OMOV AHA MUMATITILICIAMA MORARE " , HAD . HAD
	INT 214
	END START