() truspe ()

BINARY SEARCH

MODEL SMALL

DISPLAY MACRO MSGO LEA DX, MSGO MOV AH, OSH INT 21H

ENDW

.DATA

LIST DB OIH, OSH, IOHLIZH, I4H

NUMBER EQU (\$-LIST)

KEY DB IOH

MS GI DB ODH, OAH, "ELEMENT FOUND IN

LIST \$"

MGG2 DB ODH, OAH, "SEAR CH FAILED!)

ELEMENT NOT FOUND IN LIST \$!"

. CODE

START: MOV AX, @DATA

MOV DS, AX

MOV CH, NUMBER-1

MOV CL, OOH

AGAIN: MOV SI, OFFSET LIST XOR AX, AX

	CIASSMAte
	Date :
	Page_
cmp CL, CH	
JE NEXT	
JNC FAILED	
AL.CI	
NEXT: MOV ALICL	
ADD ALICH	
SHR AL, OIH	
MOV BL, AL	
· MOV AH, OH	
mov BP, AX	
MOV AL, DS:[BP][SI]	
CMP ALIKEY	
JE SUCCESS	
2c Incrom	
MOU CH, BL	
DEC CH	
JMP AGAIN	
INCLOW: MOV CL, 8L	
INC CL	
JMP AGAIN	
 1100 F C C 2 2 10 0 1 A	
SUCCESS: DISPLAY MG1	
 2Wb EINAL	
FAILED: DISPLAY MGG2	
FINAL: MOV AHI 4CH	
1NT 21H	
END START	