	Page
_	LAB-1
	BINARY SEARCH
1	MODEL SMALL MESSAGE
	MODEL SMALL  MACRO TO DISPLAY THE MESSAGE
	DISPLAY MACRO MSG
	LEA DX, MSG
	MOV AH, O9H
	INT 214
	ENDM
1	- M
	, DATA
	LIST DB OIH, 05H, 07H, 10H, 12H, 14H
	NUMBER EQU (\$-LIST); NUMBER HAS THE VALUE 6
	11.44. A.O. A.O.I.
-	MGG DB ODH, DAH, " ELEMENT FOUND IN THE LIST S
	MACCO NO MOH MAH "SCARCH FALLED "CLEMETE"
	IN THE UST \$"
	, CODE
	DATA

		IN THE UST \$
, CODE		
START	MON	AX, @ DATA
	MoV	DS, Ax
	MON	CH, NUMBER -1; HIGH VALUE
	Van	U, DOOH; LOW VALUE

AGAIN: MOV SI, OFFSET LIST; LEA SI, LIST YOR AX, AX; MON AX, OOH CHP CL, CH ; BUB of CL-CH JE NEXT JNC FALLED

	Page
NEXT! MOV AL, CL ; AL = OOH	
ADD AL, CH; AL = 00+	
SHR AL, OLH: DUL	05 = 05
SHR AL, OIH; DIVIDE	By 2
MOU BL, AL; BL-> IN	NOEK OF MIDDLE FLE
XOR AH, AH; CLEAR	AH
MOU BP, AX	, , , ,
MOV AL, DS: [BP][S	
CAP AL KEN : MAN 201	
TE   NET   WIMPA	RE KEY & A[I]
T. Steels, It fall	JAL, DISPLAY SUCCESS ME
TINCHUM	, 1
DEC. (H: CU)	>ACI] . SHIFT HIGH
WILL WILL	HAVE INDEX OF
MID-I DE	MENT.
JMP AGAIN	
(/	
	A[I] SHIFT LOW
INC CL ; CL ->	INDEX OF MID+1
JMP AGAIN	ELEMENT
	* i
SULESS: DISPLAY MSG1	
JMP FINAL	1 = -
	N Control of the Cont
FAILED : DISPLAY MSG2	A 1 2 8
* A &	_ = %
FINAL : MOV AH, 444	1.5
INT 21K	
END START	
SIAK!	
	7