	1 Million	
	MP LAB IBMI 963189	
	MP LAB IBMI 900 TOT	
	Binary search	
	MODEL SMALL	
	: Macro to display arrays	
	DISPLAY MICRO MSG.	/
	LEA DX, MSby	
	MOV AH, O9H	
	INT 21 H	
	ENDM	
	. DATA	
	21ST DB 01H, 05H, 07H, 10H, 12H, 14H	
	NUMBER EBN (\$- List); number is having valve 6	
	KEY DB 10H	
	MSUN 1 DB, ODH, OAH, "Element found in this list 4"	
	MSG 2 DB ODH, OAH, " search failed - Element	
	not found \$"	
	· CODE	
	START: MOV, AX, @ DATA	
	MOV DS, AX	
	MOV CH, NUMBER-1; high value 6-1=5. MOV CZ, DOH; low value	
	AGAIN; MOV ST, DEFSET - LIST; LEA ST, LIST XOR AX AX; MOV AX, DO 14	
	CMP CL, CH; subtraction of CL-CH	
	JE. NEXT	
	JNC FAILED.	
30-74 - 10-74		3/100

	11
END START	//
DAT 21H	
L . NOV AH	
FAILED : DISPLAY MSG12.	
JMP F	
SUCCESS: DISPLAY NISMI.	
×	1
middle +1 climent	
Il have indere of	
INC LOW: MON CL, BL : If KEY A [I] THIS	
4 53 43 13	
middle-1 eleme	
DEC CH; CH will have inder	
MOV CB, BL	
JC INC LOW	
the first can	
i I esual dimlo	
2	
MOV AL, DS: [BP] [LE]	1
BP, AX	1
XOR AH, AH > Clear AH	1
MOY BL, AL	
	1
SHR AL, O) H	1
CH . AI = 00 +05	1
NEXT: MOV AL, CL 1 A) = 00H	
Page Pure	
classmate	