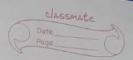
Lab Program . MODEL SMALL , MACRO TO DISPLAY THE MESSAGE DISPLAY MACRO MSG LEA DX , MSG MOV AND O9H INT 21H ENOM - Data LIST DB 0149 054, 074, 104, 124, 14H NUMBER ERU (\$-LIST) KEY PB 012H MSGI DB ODY, DAY, ELEMENT FOUND IN THE MSh2 DB ODX, OAX, ec Search failed ! Element uno found un the list \$0) . CODE START: MOV AXO @ DATA MOV OS, AX MOV CH , NUMBER -1 ; MIGH VALUE. Mov Chyoon ; Low value. AGAIN: MOV SI , DEFSET LIST XDR AX, AX CMP CLOCH JE NEXT JNC FAILED NEXT : MOV ALOCL ADD ALOCH SHR ALGOIN & Divide by 2 MOV BLAAL XOR ANGAN ; CLEAR AN



MOV BP, AX MOV AL, DS: CBPJ[S] CMP AL, KEY; Compare key & ACI)

JE SUCCESS; If equal, display issuces msg. MOV CM, BL ; If KEY 7A[1] Shift high DEC CH JMP AGAIN IN CLOW: MOV CLOBL & If ICEY (ACI) Shift low. INCU JMP AGAIN SUCESS : DISPLAY MOGI JMP FINAL FAILED: DISPLAY M862 ; Jot over, terminate FWAL: MOV AND 4KH INT 21H END START.