Neck 4 (Saathi) first lab program (Binary Swareh) model small HACRO TO Display The Message Dis play Mavio MSG LEA DX, MSG MOV AH, OGH INT alt ENDM DATA LIST DB OH, 05H, 07H, 10H, 12H, 1414 NUMBER EQU (S-LIST). KEY DB 012H NSG1 DB 00H, OAH, "Floment founden the list-4 MGD DB ODH, OAH, "Searh failed!! Element not Element not found in the list \$" · code

START: MOY Ax Colata MOY DS, AX

> ; High Level MOV CH, NUMB-1

MOV CL, OOH

MOY ST, OFFSETLIST AGATON

Gaathi XOR AX, AX ; CIRCH on Chreck of Chreck 1 cf=1 ; cf=0 ; zf=1 JE NEXT JNG FAILED MOV AL, CL NEXT: ADD AL, CIT ; DIVEDE BY 2 AL, OIH SHR MOV BL, AL ( CLEA AH) XOR AH, AH HH. HOV AND MOV BD. AX MOY AL, DS: CBPJCSIT CMP AL , ISEY JE SUCCESS JC JNCLOW 1 MOVI CHIBL DEC CH JMP AGAIN INCLON MOY CI, BL INCCL JMD AGAZA SUCESSS DISPLAY MSGI JMP FINAL PAILED DISPLAY MSGD PINAC MOV AHI ACK