	18m19CS 200
Lab 1	30
LUIJ	DE JA MINE FAZA
Panaham : Accombly Language	A STATE OF THE PROPERTY OF THE
Program: Assembly Language Key element in a list	of number using the
binary search algoritm	JAN 19 JOH
Swie Layon Mark	114, 118 36%
. Model Small	XA YA MA
Display macro msg	TOTAL IA VOOL
LEA DX , MSG	Very 18 - 9/13
MOV AH, O9H	2 - 13 - 13 - 4 (s.
INT ZIH	74. N. 3. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
, DATA	(A.B.)() 4 (4 · · )
List DB OH , OSH , OTH , 10H,	124 144
USI 05 UM 1 USI , UNI 110 "	1613 11413
NUMBER FAU (\$-115T)	The state of the s
NUMBER FAU (\$-115T)	The state of the s
NUMBER EQU (\$-LIST) KEY RB OIH, 05H, 07H, 10H, 17	The state of the s
NUMBER EQU (\$ - LIST)  KEY RB OIH, 05H, 07H, 10H, 17  NUMBER EQU (\$ - LIST)  KEY DE OUH	2H, LUH MAN AND
NUMBER EQU (\$ - LIST)  KEY RB OIH, 05H, 07H, 10H, 17  NUMBER EQU (\$ - LIST)  KEY DB OIH  MCG- RD DDH OAH "Flom	ent Dound in the list, \$"
NUMBER EQU (\$ - LIST)  KEY RB OIH, 05H, 07H, 10H, 17  NUMBER EQU (\$ - LIST)  KEY DB OIH  MSG DB ODH, OAH, "Flem	ent found in the list, \$"  I failed 1 1 Element not pound in
NUMBER EQU (\$ - LIST)  KEY RB OIH, 05H, 07H, 10H, 17  NUMBER EQU (\$ - LIST)  KEY DB OIH  MSG DB ODH, OAH, "Flem	ent Dound in the list, \$"
NUMBER EQU (\$ - LIST)  KEY RB OIH, 05H, 07H, 10H, 17  NUMBER EQU (\$ - LIST)  KEY DB OIH  MSG DB ODH, OAH, "Flem	ent found in the list, \$"  I failed 1 1 Element not pound in
Number Equ (\$ - LIST)  KEY RB OIH, 05H, 07H, 10H, 17  Number Equ (\$ - LIST)  KEY DB OIIH  MSG DB ODH, OAH, "Elem  MGG DB ODH, OAH, "Soach  the	ent found in the list, \$"  I failed 1 1 Element not pound in
Number Equ (\$ - LIST)  KEY RB OIH, 05H, 07H, 10H, 17  Number Equ (\$ - LIST)  KEY DB OIIH  MSG DB ODH, OAH, "Elem  MGG DB ODH, OAH, "Soach  the  code  Start: MOV AX, Qdata	ent found in the list, \$"  I failed ! I Element not found in  list \$"
Number Equ (\$ - LIST)  KEY RB OIH, 05H, 07H, 10H, 17  Number Equ (\$ - LIST)  KEY DB OIIH  MSG DB ODH, OAH, "Elem  MGG DB ODH, OAH, "Soach  the  code  Start: MOV AX, Qdata	ent found in the list, \$"  I failed ! I Element not found in  list \$"
Number Equ (\$ - LIST)  KEY RB OIH, 05H, 07H, 10H, 17  Number Equ (\$ - LIST)  KEY DB OIH  MSG DB ODH, OAH, "Elem  MGG DB ODH, OAH, "Seach  the  code  Start: MOV AX, Qdata  MOV DS, AX  MOV CH, NVMBER — I	ent found in the list, \$"  pailed ! I Element not found in  list g"  ; Hallander
Number Equ (\$ - LIST)  KEY RB OIH, 05H, 07H, 10H, 17  Number Equ (\$ - LIST)  KEY DB OIH  MSG DB ODH, OAH, "Elem  MGG DB ODH, OAH, "Soach  the  code  Start: MOV AX, Qdata  MOV DS, AX  MOV CH, NUMBER - 1  MOV CL, OOH;	ent found in the list, \$"  pailed 1   Element not found in  list \$"  ; Hilland
Number Equ (\$ - LIST)  KEY RB OIH, 05H, 07H, 10H, 17  Number Equ (\$ - LIST)  KEY DB OIH  MSG DB ODH, OAH, "Elem  MGG DB ODH, OAH, "Seach  the  code  Start: MOV AX, Qdata  MOV DS, AX  MOV CH, NUMBER — I  MOV CL, OOH;  AGAM: MOV SI, OFFSET LIST	ent found in the list, \$"  pailed 1   Element not found in  list \$"  ; Hilland
Number Equ (\$ - LIST)  KEY RB OIH, 05H, 07H, 10H, 17  Number Equ (\$ - LIST)  KEY DB OIHH  MSG DB ODH, OAH, "Elem  MGG DB ODH, OAH, "Seach  the  code  Start: MOV AX, Qdata  MOV DS, AX  MOV CH, NUMBER — I  MOV CL, OOH;  AGIAW: MOV SI, OFFSET LIST  XOR AX, AX	ent found in the list, \$"  pailed 1   Element not found in  list \$"  ; Hilland
Number Equ (\$ - LIST)  KEY RB OIH, 05H, 07H, 10H, 17  Number Equ (\$ - LIST)  KEY DB OIH  MSG DB ODH, OAH, "Elem  MGG DB ODH, OAH, "Seach  the  code  Start: MOV AX, Qdata  MOV DS, AX  MOV CH, NUMBER — I  MOV CL, OOH;  AGAM: MOV SI, OFFSET LIST	ent found in the list, \$"  pailed 1   Element not found in  list \$"  ; Hilland

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1	THE CAUCO
	JNC FAILED
1	NEXT: MOU AL, CL
11	ADD AL, CH
N	SHR AL, DIH
1-1	MOV BL, AL
A	MOR AH, AH
	May GP, AX
Y	MOV AL, DS: [BP][SI]
1.	CMP ALIKEY
, -	JE SUCESS
1	JC INCLOW
,	MOV CH, BL
	DEC CH
, , , , , , , , , , , , , , , , , , ,	JMP AGAIN
	INCLOW: MOV CL, BLIMAN HOLL HAD HER
	INC CL
	JMP AGAINING ASI HOLLING
	SUCCESS: DISPLAY MSGI (TILL)
	UMP FINAL
	FALED: DISPLAY MSGZ
	FANAL: MOV AH, UCH MAD MAD
	ENDUSTEN INT 21+1
	END START
	slobula KA VBIN : H
	VA Salvel
- T	THIS I I A STANDED IN THE VOLUME
	e Hon Try von
	Part delle de volte de
	XA XA 30X
	HJ, J3 9742
-	