PHT-4H	Date:
cmp eax, target	
je faund	
Ge residen	
mov eax index	
inc equ	
INVOKE south, ptrArr, size, target, ear	χ
ret	
found:	
mov ear, index	
fgl	
not found:	
mov eax, -1	
ret	
Search ENDP	
END main	
Diagram: Input: 66	
	call 4 returns 3
Return Addr (ret.1)	GII 3 returns 3
target = 66 5:20 = 10	all 2 returns 3
ptrArr-offset arr	call 1 returns 3
index = 0 arr[0] = 10	main gets finalida = 3
Return Addr (ret 2)	
target = CG	
Size = 10 ptrarr = offset arr	
index = 1	
arr[1].23	1
Return Addr (ret 3)	Return Addr (rot4)
target = 66	target=66 Size=10
ptrAmsoffset arr	PtrArra offset arr
index=2	index.3
ar [2]=45	arr[3].66



Q4.	
. data	
prompt BYTE "Enter a string", O	cmp al, 'a'
inputsta BYTE 100 DUP(0)	je incA
inputsize = SIZEOF inputsta	cmp al, 'e'
count A DWORD O	je incE
countE DWORD O	cmp al, 'i'
CountI DWORD O	je incī
countO DWORD O	cmp al, 'o'
COUNT U DWORD O	je incO
msgA BYTE "q or A = ", O	cmp al, 'u'
mage BYTE "e or E = ", O	je incU
megI BYTE "; or I = ", O	jmp skip
megO BYTE " 0 or 0 = ", 0	incA:
mag U BYTE "u or U=" O	inc countA
. code	jmp skip
main PROC	ince:
mov eda, OffSET prompt	inc countE
call WriteString	jmp skip
mov eda, OffSET inputstr	incI:
mov ecx, inputsize	inc countI
call ReadString	jmpskip
mov esi, OffSET inputstr	incO:
nextchar:	inc countO
mov al, [esi]	imp skip
empal, O	incU:
je showResult	inc count U
U	jmp akip
call ToLower	
	skip:
	inc esi
	jmp nextchar
See Lorenza	

showResult;	The second secon
mov eda, Offset magfi	
call WriteString	
mov ear, countA	
call WriteDec	
coll Crif	
mov eda, Offset, mog E	
call Write String	
mov eax, countE	
call Write Dac	
call Crlf	
mov eda, Offset magi	
call WriteString	and the second s
mov ega, countI	
call Write Dec	
call Crif	
mov eda, Offset mgO	
call Weitestring	
mov eax, countO	
call Write Occ	
call Celf	
mov eda, Offet magu	
call WriteString	
mov eax, countU	
call Write Dec	
CON CIR	
exit	**************************************
main ENDP	
FND main	

