12345678910	SA[]	INPUT item  1 Stound = False  REPEAT  Centre + (lb+ub) D142  IF SA[Centre] = item  THEN  OUTPUT 'found of:", Contre  is Found = True  ELSEIF item > SA[Centre]  THEN  Ob + Centre +1  ENDIF  Until is Found = True OR lb>ub.  IF is found = False THEN OUTPUT 'Not found.")"

i.Sfound F	item 'h'	Centre 5	16	10
	1001	52	1	104
	m	5 8 9 10	1 6 9 10 11	10

Rewasive Banary Search.

Function Blearch (item: Char, lb:int, ub:int) Returns int DECLARE Centre: INT

IF lb > Ub THEN Return -1 Centre ( (lb+Ub) DIY 2 IF SA[cendre] = îtem TARN Return Centre ELSEIF item > SA[Cetre] THEN Return BSearch (item, Centre +1, UD) ELSEIF îtem < SA[Cetre] THEN Return Blearch (item, lb, centre-1)
ENDIF

ENDFUNCTION.