BINARYSEARCH(a, low,high, L, H)

IF l<=h

mid<-(L+H)/2

IF a[mid]>=low AND a[mid]<=high

RETURN true

ELSE IF a[mid]<low

RETURN BINARYSEARCH(a, low, high, mid+1,H)

ELSE

RETURN BINARYSEARCH(a, low, high, L,mid-1)

ELSE

RETURN false

MAIN()

a<-[]

low<-10

high<-14

PRINT(BINARYSEARCH(a, low,high, L, H))