import java.util.Scanner;

class Range{

public static void main(String[] args)

{

Scanner scanf = new Scanner(System.in);

int[] arr = new int[100];

int l=0,t=0,a=0,b=0;

System.out.print("LENGTH OF ARRAY:");

l = scanf.nextInt();

System.out.println("\n\n");

for(int i =0 ; i<l ; i++)

{

System.out.print("ARRAY["+(i+1)+"]\t");

arr[i] = scanf.nextInt();

}

System.out.print("\n\n");

System.out.print("TARGET:");

t = scanf.nextInt();

a = first(arr,l,t);

b = last(arr,l,t);

if(a==-1){System.out.print("ELEMENT DOES NOT EXIST");}

else

System.out.print("FIRST OCCOURENCE:\t"+(a+1));

System.out.print("\nLAST OCCURENCE:\t"+(b+1));

scanf.close();

}

static int last(int arr[],int l,int t)

{

int start=0,end = l-1,sol=-1 ;//AS FIRST INDEX =0

int mid = (start+end)/2;

while(start<=end)

{

mid = (start+end)/2;

if(arr[mid] == t)

{

sol = mid;

start = mid+1;

}

if(arr[mid]<t)

{

start = mid + 1;

}

if(arr[mid]>t)

{

end = mid - 1;

}

}

return sol;

}

static int first(int arr[],int l,int t)

{

int start=0,end = l-1,sol=-1 ;

int mid = (start+end)/2;

while(start<=end)

{

mid = (start+end)/2;

if(arr[mid] == t)

{

sol = mid;

end = mid-1;

}

if(arr[mid]<t)

{

start = mid + 1;

}

if(arr[mid]>t)

{

end = mid - 1;

}

}

return sol;

}

}