Long Pressed Keyword (LC -925) truc alex de true. Lalleexx allex de lalleeexx name a llex } feelse typed on lexx a lex } jabe
a pex a Wexx for or fe ex n -> on lex the notalexf t -> on lex the alex tolength () < n. legth ()

aleex,

aleex,

n(i) == t(i)

n(i-i) == t(i)

a lex

a lex

a ll fex

else-s false

Alexxxz i to a lexxxx i -> remaining

j -> end alex alex alex x 6 7

8

9

11

12

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14 15

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17 18

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33 34

35 36

37 38 39

40 41 42

43

44

45

46

47

```
public static boolean isLongPressed(String n, String t){ //n->"" t -> ""
    if(t.length() < n.length()){</pre>
        return false;
    // if(n.charAt(0) != t.charAt(0)){
    11
           return false;
    // }
    int i = 0;
    int j = 0;
    while(i < n.length() && j < t.length()){</pre>
        if(n.charAt(i) == t.charAt(j)){
            j++;
            j++;
        } else if(i > 0 && n.charAt(i-1) == t.charAt(j)){
            j++;
        } else{
            return false;
    while( j < t.length()){</pre>
        if(i > 0 \&\& n.charAt(i-1) == t.charAt(j)){
            j++;
        }else{
            return false;
    }
    if(i < n.length()){</pre>
        return false;
    return true;
public static void main(String[] args) {
    Scanner scn = new Scanner(System.in);
    String n = scn.next();
    String t = scn.next();
    System.out.println(isLongPressed(n,t));
```

Rinary Search.

* booked -> array/dal range 10 20 30 40 50 60 70 80 0 1 2 3 4 5 6 7

n = 55

```
2 import java.util.*;
4 public class Solution {
6
      public static int binarySearch(int [] A, int x){
7
          int i = 0;
                                       //i, j and m are index
8
           int j = A.length-1;
9
          while(i <= j){
10
              int m = (i + j)/2;
11
              if(x == A[m]){
12
                   return m;
13
14
               else if(x > A[m]){
                                    //right
15
                   i = m + 1;
                                   // x < A[m] -> left
16
              }else{
17
                   j = m - 1;
18
               }
19
20
           return -1;
21
      }
22
23
      public static void main(String[] args) {
24
           Scanner scn = new Scanner(System.in);
25
           int n = scn.nextInt();
26
           int [] A = new int[n];
27
           for(int i = 0; i < n; i++){
28
               A[i] = scn.nextInt();
29
30
           int x = scn.nextInt();
31
           int ans = binarySearch(A, x);
32
           System.out.println(ans);
33
      }
34 }
```

1 import java.io.*;

30

2=80

S

$$\frac{n}{2} = \frac{n}{4} + \frac{n}{8} = \frac{n}{16}$$

$$\frac{n}{2^{3}} = \frac{n}{2^{2}}$$

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$$\frac{\log_{2} 2^{3}}{2^{3}} = \log_{2} n$$

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n= log2n