Given two Lists of **strings s1**and **s2**, you have to count the number of strings in **s2**which is either a **suffix**or **prefix**of at least one string of **s1**.

**Example 1:**

**Input:**

s1 = ["cat", "catanddog", "lion"]

s2 = ["cat", "dog", "rat"]

**Output:**

**2**

**Explanation:**

String "cat" of s2 is prefix of "catand**dog**"

& string "dog" of s2 is suffix of "catand**dog**"

**Example 2:**

**Input:**

s1 = ["jrjiml", "tchetn", "ucrhye", "ynayhy",

  "cuhffd", "cvgpoiu", "znyadv"]

s2 = ["jr", "ml", "cvgpoi", "gpoiu", "wnmkmluc",

  "geheqe", "uglxagyl", "uyxdroj"]

**Output:**

**4**

**Explanation:**

String "jr" of s2 is prefix of "**jr**jiml",

"ml" of s2 is suffix of "jrji**ml**",

"cvgpoi" of s2 is prefix of "**cvgpoi**u" &

"gpoiu" of s2 is suffix of "cv**gpoiu**"

JAVA Code

import java.util.\*;

import java.io.\*;

public class code1

{

public static void main(String args[])throws IOException

{

BufferedReader in=new BufferedReader(new InputStreamReader(System.in));

PrintWriter out=new PrintWriter(System.out);

int t=Integer.parseInt(in.readLine());

while(t-->0){

String s1[]=in.readLine().trim().split(" ");

String s2[]=in.readLine().trim().split(" ");

Solution ob=new Solution();

int ans=ob.prefixSuffixString(s1,s2);

out.println(ans);

}

out.close();

}

}

//User function Template for Java

class Solution

{

public int prefixSuffixString(String s1[],String s2[])

{

int count=0;

if(s2.length==0)

return 0;

for(int i=0, j=0 ; i<s1.length && j<s2.length ;){

if(s1[i].contains(s2[j]) && (s1[i].charAt(0)==s2[j].charAt(0) || s1[i].charAt(s1[i].length()-1)==s2[j].charAt(s2[j].length()-1))){

count++;

j++;

i=0;

}

else{

i++;

}

}

return count;

}

}