**Alien language**

Attempted by: **4608**

/

Accuracy: **77%**

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Maximum Score: **20**

/

30 Votes

Tag(s):

Ad-Hoc, Basic Programming, Easy

**PROBLEM**

**EDITORIAL**

**MY SUBMISSIONS**

**ANALYTICS**

Little Jhool considers [Jaadu](https://www.google.co.in/search?q=jaadu%20koi%20mil%20gaya&source=lnms&tbm=isch&sa=X&ei=8y0EVOjkDZXr8AWnpYC4Bw&ved=0CAYQ_AUoAQ&biw=1517&bih=698&dpr=0.9) to be a very close friend of his. But, he ends up having some misunderstanding with him a lot of times, because Jaadu's English isn't perfect, and Little Jhool sucks at the language Jaadu speaks. So, he's in a fix - since he knows that Jaadu has got magical powers, he asks him to help so as to clear all the issues they end up having with their friendship.

Now, Jaadu can only focus at one task, so to fix these language issues he comes up with a magical way out, but someone needs to do the rest of it; this is where Little Jhool has asked for your help.

Little Jhool says a word, and then Jaadu says another word. If any sub-string of the word said by Jaadu is a sub-string of the word said by Little Jhool, the output should be "**YES**", else "**NO**". (Without the quotes.)

**Input:**  
First line contains number of test case **T**. Each test case contains two strings \**Text ( Said by Jhool ) \** and **Pattern (Said by Jaadu )**.Both strings contains only lowercase alphabets **['a'-'z']**.

**Output:**  
For each test case print **YES** if any sub-string of **Pattern** is sub-string of **Text** else print **NO**.

**Constraints:**   
1<=**T**<=5  
1<=**|Text|**<=100000  
1<=**|Pattern|**<=100000

**SAMPLE INPUT**

2

hackerearth

hacker

hackerearth

wow

**SAMPLE OUTPUT**

YES

NO

**Time Limit:**1.0 sec(s) for each input file.

**Memory Limit:**256 MB

**Source Limit:**1024 KB

**Marking Scheme:**Marks are awarded when all the testcases pass.

**Allowed Languages:**Bash, C, C++, C++14, Clojure, C#, D, Erlang, F#, Go, Groovy, Haskell, Java, Java 8, JavaScript(Rhino), JavaScript(Node.js), TypeScript, Julia, Kotlin, Lisp, Lisp (SBCL), Lua, Objective-C, OCaml, Octave, Pascal, Perl, PHP, Python, Python 3, R(RScript), Racket, Ruby, Rust, Scala, Swift, Swift-4.1, Visual Basic

<https://www.hackerearth.com/practice/data-structures/hash-tables/basics-of-hash-tables/practice-problems/algorithm/alien-language/>

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

using System.IO;

namespace ConsoleApp1

{

class Program

{

static void Main(string[] args)

{

int n = int.Parse(Console.ReadLine());

while (n-- > 0)

{

string Jhool = Console.ReadLine();

string Jaadu = Console.ReadLine();

// Console.WriteLine(Jhool.Contains(Jaadu) ? "YES" : "NO");

HashSet<char> hashJhool =

new HashSet<char>(Jhool.ToCharArray());

string ans = "NO";

for (int i = 0; i < Jaadu.Length; i++)

{

//if(Jhool.Contains(Jaadu[i]))

//{

// ans = "YES";

// break;

//}

if(hashJhool.Contains(Jaadu[i]))

{

ans = "YES";

break;

}

}

Console.WriteLine(ans);

}

//Console.WriteLine("hm".Contains("hm"));

Console.ReadLine();

}

}

}