* [https://hrcdn.net/hackerrank/assets/brand/h_mark_sm-05bceb881aa02b72d688d21db01df5d8.png](https://www.hackerrank.com/dashboard?h_r=logo)
* [**Practice**](https://www.hackerrank.com/dashboard)
* [**Compete**](https://www.hackerrank.com/contests)
* [**Jobs**](https://www.hackerrank.com/jobs?h_l=topNavBar)
* [**Rank**](https://www.hackerrank.com/rank)
* [**Leaderboard**](https://www.hackerrank.com/leaderboard)
* [**[](https://www.hackerrank.com/) anilrajthota**](https://www.hackerrank.com/)
* 

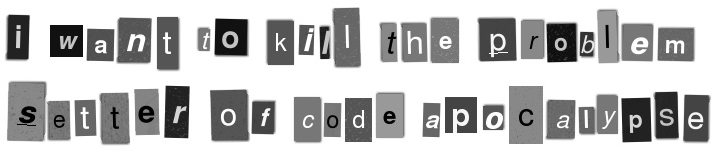
1. [**All Competitions**](https://www.hackerrank.com/contests)
2. [**Code Apocalypse 2 | Day 1**](https://www.hackerrank.com/contests/codeapocalypsed1/challenges)
3. [**Serial Killer**](https://www.hackerrank.com/contests/codeapocalypsed1/challenges/serial-killer)

**Serial Killer**

https://hrcdn.net/s3_pub/hr-avatars/2727137f-2a7c-4cea-b37a-cda86bb2a312/150x150.png**by**[**vikas0706**](https://www.hackerrank.com/vikas0706)

* [**Problem**](https://www.hackerrank.com/contests/codeapocalypsed1/challenges/serial-killer)
* [**Submissions**](https://www.hackerrank.com/contests/codeapocalypsed1/challenges/serial-killer/submissions)
* [**Leaderboard**](https://www.hackerrank.com/contests/codeapocalypsed1/challenges/serial-killer/leaderboard)

You were an awesome programmer and no question in the world was hard for you until a brick fell on your head and you became a crazy serial killer. Now you are about to write a threatening message using the newspaper cuttings( [Ransom Note](https://www.hackerrank.com/external_redirect?to=https://en.wikipedia.org/wiki/Ransom_note_effect)). Given two string, 1st denoting the message you want to write and second denoting the letters in the newspaper tell if it is possible to write a message using the newspaper.



**Input Format**

First line contain 1st String-"Message"   
Second line contain 2nd String-"Newspaper"

**Constraints**

1 ≤ length of String 1 and String 2 ≤ 105  
string contains only lowercase letters from a-z

**Output Format**

Print "YES" or "NO" if it is possible

**Sample Input 0**

code

apocalypse

**Sample Output 0**

NO

**Sample Input 1**

cypher

codeapocalypseishere

**Sample Output 1**

YES

**Contest ends in 40 minutes**

**Submissions:**

[56](https://www.hackerrank.com/contests/codeapocalypsed1/challenges/serial-killer/leaderboard)

**Max Score:**

30

**Difficulty:**

Easy

**Rate This Challenge:**

More

**Current Buffer** (saved locally, editable)

[C++14](javascript:void(0))





1

#include <cmath>

2

#include <cstdio>

3

#include <vector>

4

#include<string.h>

5

#include <iostream>

6

#include <algorithm>

7

using namespace std;

8

​

9

​

10

int main()

11

{

12

  char a[1000],b[1000];

13

  cin>>a;

14

  cin>>b;

15

  int n,i,j,l1,l2,ak=0;

16

  l1=strlen(a);

17

  l2=strlen(b);

18

  for(i=0;i<l1;i++)

19

      {

20

      for(j=0;j<l2;j++)

21

          {

22

          if(a[j]==a[i])

23

              {

24

              ak++;

25

              goto l;

26

              }

27

          else

28

              continue;

29

          l:

30

          break;

31

          }

32

      }

33

  if(ak==l1)

34

      cout<<"YES";

35

  else if(ak!=l1)

36

      cout<<"NO";

37

  return 0;

38

}

39

​

Line: 1 Col: 1

Run Code Submit Code

Upload Code as File

Test against custom input

Join us on IRC at [#hackerrank](http://webchat.freenode.net/?channels=hackerrank) on freenode for hugs or bugs. 

[Contest Calendar](https://www.hackerrank.com/calendar?utm_source=website&utm_medium=footer&utm_campaign=website) | [Interview Prep](https://www.hackerrank.com/domains/tutorials/cracking-the-coding-interview?utm_source=website&utm_medium=footer&utm_campaign=website) | [Blog](https://blog.hackerrank.com/) | [Scoring](https://www.hackerrank.com/scoring) | [Environment](https://www.hackerrank.com/environment) | [FAQ](https://www.hackerrank.com/faq) | [About Us](https://www.hackerrank.com/aboutus) | [Support](https://www.hackerrank.com/support) | [Careers](https://www.hackerrank.com/careers) | [Terms Of Service](https://www.hackerrank.com/terms-of-service) | [Privacy Policy](https://www.hackerrank.com/privacy) | [Request a Feature](https://www.hackerrank.com/support/feature)

Bharat is a Big fan of cricket.He watches every match and has memorised every stats of cricket, so in this IPL he decided to earn some money with his cricket **"GYAN"**. To do so he contacted some bookies where he could bet on various matches, players, etc.   
**There are some important rules for betting:**  
- **Betting will start at Re 1 on the first day**  
- **Each day the betting will increase by Re 1,**  
**eg: day 2 betting will be 2 similarly for day 3 it will be 3**  
  
But Bharat knows the consequences of betting as there is a probability that he can lose all his money.So he decided to bet only a limited amount of money M. Since Bharat spent all his time in watching cricket rather than studying maths, so he need the help of an expert mathematician like you to calculate the number of possible days for which he can Bet, if he loses all the match.

**Input Format**

First line will consist of Integer **T** denoting the number of test cases. Each of next **T** line contain a single integer **M** denoting the maximum betting Amount

**Constraints**

**1<=T<=105  
1<=M<=1018**

**Output Format**

Each test case will contain the number of possible days for which Bharat can Bet.

**Sample Input 0**

3

1

6

7

**Sample Output 0**

1

3

3

**Explanation 0**

**For Test case 1:**  
He have only 1 Rupee so he can bet for 1 day only.  
**For Test case 2:**  
He have 6 Rupee so he can bet for 3 days, By spending 1 rupee on the first day, 2 on second day and 3 on third day. which give a total of 6 Rupees(1+2+3).   
**For Test case 3:**  
He have 7 Rupee so he can again bet for 3 days only, By spending 1 rupee on the first day, 2 on second and 3 on the third day.which give a total of 6 Rupees(1+2+3), Now he is left with only 1 Re which cannot be used for betting on the 4th day because amount of money required to bet for the 4th day should be equal to 4 Re.

**Contest ends in 38 minutes**

**Submissions:**

[54](https://www.hackerrank.com/contests/codeapocalypsed1/challenges/iplsatta/leaderboard)

**Max Score:**

40

**Difficulty:**

Easy

**Rate This Challenge:**

More

**Current Buffer** (saved locally, editable)

[C++14](javascript:void(0))

Cypher is recruiting students. We only want students from 1st Year and 2nd Year.X is the number seats for 1st year students and Y is the seats for 2nd year students.We want young blood to learn so we prefer 1st year students over 2nd year students. So if X seats are full for 1st year students they can occupy seat of 2nd year students.But 2nd year students will always be less or equal to Y. Now students are standing in a line for recruitment. 1 denoting 1st year,2 denoting second year and so on. Given X and Y you have to tell if he can be recruited or not.

**Input Format**

First line contain N X Y where N denotes the number of students standing in line   
Second line contains a string of length N which contains characters 1,2,3 and 4 where each character denotes the year the student is studying in.

**Constraints**

1 ≤ N ≤ 105   
1 ≤ X+Y ≤ N

**Output Format**

Print "Yes" without quotes if a student can be recruited else print "No"without quotes.

**Sample Input 0**

4 1 1

3124

**Sample Output 0**

No

Yes

Yes

No