

<b>Started on</b>	Monday, 1 January 2024, 7:07 AM
<b>State</b>	Finished
<b>Completed on</b>	Monday, 1 January 2024, 7:20 AM
<b>Time taken</b>	12 mins 23 secs

Question **1**

Correct

Marked out of 50.00

These days Bechan Chacha is depressed because his crush gave him list of mobile number some of them are valid and some of them are invalid. Bechan Chacha has special power that he can pick his crush number only if he has valid set of mobile numbers. Help him to determine the valid numbers.

You are given a string "S" and you have to determine whether it is Valid mobile number or not. Mobile number is valid only if it is of length 10 , consists of numeric values and it shouldn't have prefix zeroes.

**Input:**

First line of input is T representing total number of test cases.

Next T line each representing "S" as described in in problem statement.

**Output:**

Print "YES" if it is valid mobile number else print "NO".

Note: Quotes are for clarity.

**Constraints:**

$$1 \leq T \leq 10^3$$

$$\text{sum of string length} \leq 10^5$$

**SAMPLE INPUT**

3

1234567890

0123456789

0123456.87

**SAMPLE OUTPUT**

YES

NO

NO

**For example:**

Input	Result
3	YES
1234567890	NO
0123456789	NO
0123456.87	

**Answer:** (penalty regime: 0 %)

```
1 import java.util.*;
2 public class ValidNum
3 {
4     public static void main(String[] args)
5     {
6         Scanner sc = new Scanner(System.in);
7         int t = sc.nextInt();
8         for(int j=0;j<t;j++)
9         {
10             String s = sc.next();
11             int flag=0;
12             if(s.length()<10 || s.charAt(0)=='0')
13             {
14                 flag=1;
15             }
16             for(char i:s.toCharArray())
17             {
18                 if(i<'0' || i>'9')
19                 {
20                     flag=1;
21                     break;
22                 }
23             }
24         }
25     }
26 }
```

```

23     }
24     if(flag==1)
25     {
26         System.out.println("NO");
27     }
28     else
29     {
30         System.out.println("YES");
31     }
32 }
33 }
34 }

```

	Input	Expected	Got	
✓	3	YES	YES	✓
	1234567890	NO	NO	
	0123456789	NO	NO	
	0123456.87			

Passed all tests! ✓

Question **2**

Correct

Marked out of 50.00

Joey loves to eat Pizza. But he is worried as the quality of pizza made by most of the restaurants is deteriorating. The last few pizzas ordered by him did not taste good :( Joey is feeling extremely hungry and wants to eat pizza. But he is confused about the restaurant from where he should order. As always he asks Chandler for help.

Chandler suggests that Joey should give each restaurant some points, and then choose the restaurant having **maximum points**. If more than one restaurant has same points, Joey can choose the one with **lexicographically smallest** name.

Joey has assigned points to all the restaurants, but can't figure out which restaurant satisfies Chandler's criteria. Can you help him out?

**Input:**

First line has N, the total number of restaurants.

Next N lines contain Name of Restaurant and Points awarded by Joey, separated by a space. Restaurant name has **no spaces**, all lowercase letters and will not be more than 20 characters.

**Output:**

Print the name of the restaurant that Joey should choose.

**Constraints:**

$1 \leq N \leq 10^5$

$1 \leq \text{Points} \leq 10^6$

**SAMPLE INPUT**

```
3
Pizzeria 108
Dominos 145
Pizzapizza 49
```

**SAMPLE OUTPUT**

```
Dominos
```

**Explanation**

**Dominos** has maximum points.

**For example:**

Input	Result
3 Pizzeria 108 Dominos 145 Pizzapizza 49	Dominos

**Answer:** (penalty regime: 0 %)

```
1 import java.util.*;
2 public class TopPizzaShop
3 {
4     public static void main(String[] args)
5     {
6         Scanner sc = new Scanner(System.in);
7         int n = sc.nextInt();
8         String a[] = new String[n];
9         int max=0,maxInd=0;
10        for(int i=0;i<n;i++)
11        {
12            String s = sc.next();
13            int p = sc.nextInt();
14            a[i]=s;
15            if(p>max)
16            {
17                max=p;
18                maxInd=i;
19            }
20        }
21        System.out.print(a[maxInd]);
```

```
22 | }
23 | }
```

	Input	Expected	Got	
✓	3 Pizzeria 108 Dominos 145 Pizzapizza 49	Dominos	Dominos	✓

Passed all tests! ✓