















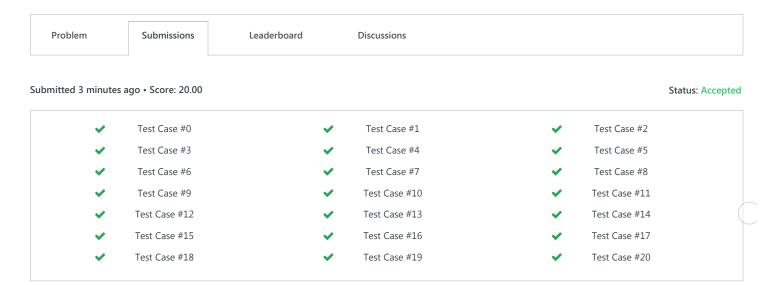




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## Separate the Numbers





## **Submitted Code**

```
{f \mathcal{V}} Open in editor
Language: C#
1 using System;
2 using System.Collections.Generic;
3 using System.Linq;
4 using System.Text;
5 using System.Numerics;
7 class Solution {
8
9
10
       static BigInteger Proximo(string s, BigInteger anterior, int desde)
11
           {
12
13
                if (s[desde] == '0')
14
15
16
                    return -1;
17
                string concat = "";
18
19
                for (int i = desde; i < s.Length; i++)</pre>
20
21
                    concat += s[i].ToString();
22
                    if (BigInteger.Parse(concat) == anterior + 1)
23
24
25
                        return BigInteger.Parse(concat);
26
                    else if (BigInteger.Parse(concat) > anterior + 1)
27
28
                    {
29
                        return -1;
```

```
31
 32
                return -1;
 33
            }
 34
 35
 36
        static void Main(String[] args) {
 37
 38
            int q = Convert.ToInt32(Console.ReadLine());
 39
            for(int a0 = 0; a0 < q; a0++){
 40
                string s = Console.ReadLine();
 41
                // your code goes here
 42
 43
                 if (s.Length == 1)
 44
                {
 45
                     Console.WriteLine("NO");
 46
                }
 47
                else
 48
                {
 49
 50
                     BigInteger primero = BigInteger.Parse(s[0].ToString());
 51
 52
                     BigInteger x = primero;
 53
 54
                     int len_primero = 1;
 55
 56
                     int desde = 1;
 57
 58
 59
                     string ans = "YES";
 60
 61
                     while (len_primero < s.Length)</pre>
 62
 63
                     {
                         ans = "YES";
 64
 65
                         while (desde < s.Length)
 66
 67
                             // Console.WriteLine(primero);
                             BigInteger prox = Proximo(s, primero, desde);
 68
 69
 70
                             if (prox == -1)
 71
                                  ans = "NO";
 72
 73
                                 break;
 74
                             }
 75
 76
                             primero = prox;
 77
                             desde += primero.ToString().Length;
 78
                             if (desde == s.Length)
 79
                             {
                                 ans = "YES";
 80
 81
                                 break;
 82
                             }
 83
 84
                            (ans == "YES")
 85
                         {
 86
                             break;
 87
 88
 89
                         len_primero++;
 90
                         primero = BigInteger.Parse(s.Substring(0, len_primero));
 91
                         x = primero;
 92
                         desde = len_primero;
 93
 94
                     }
 95
 96
                     if (ans == "YES")
 97
                         Console.WriteLine(ans + " " + x);
 98
 99
                     }
100
                     else
101
                     {
102
                         Console.WriteLine("NO");
103
```

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