



Separate the Numbers

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Problem

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Status: Accepted

✓	Test Case #0	✓	Test Case #1	✓	Test Case #2
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✓	Test Case #12	✓	Test Case #13	✓	Test Case #14
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✓	Test Case #18	✓	Test Case #19	✓	Test Case #20

Submitted Code

Language: C#

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```
1 using System;
2 using System.Collections.Generic;
3 using System.Linq;
4 using System.Text;
5 using System.Numerics;
6
7 class Solution {
8
9
10     static BigInteger Proximo(string s, BigInteger anterior, int desde)
11     {
12
13
14         if (s[desde] == '0')
15         {
16             return -1;
17         }
18         string concat = "";
19         for (int i = desde; i < s.Length; i++)
20         {
21             concat += s[i].ToString();
22
23             if (BigInteger.Parse(concat) == anterior + 1)
24             {
25                 return BigInteger.Parse(concat);
26             }
27             else if (BigInteger.Parse(concat) > anterior + 1)
28             {
29                 return -1;
30             }
31         }
32     }
33 }
```

```
31     }
32     return -1;
33 }
34
35
36
37 static void Main(String[] args) {
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_primerio = 1;
55
56             int desde = 1;
57
58
59             string ans = "YES";
60
61
62             while (len_primerio < s.Length)
63             {
64                 ans = "YES";
65                 while (desde < s.Length)
66                 {
67                     // Console.WriteLine(primerio);
68                     BigInteger prox = Proximo(s, primero, desde);
69
70                     if (prox == -1)
71                     {
72                         ans = "NO";
73                         break;
74                     }
75
76                     primero = prox;
77                     desde += primero.ToString().Length;
78                     if (desde == s.Length)
79                     {
80                         ans = "YES";
81                         break;
82                     }
83                 }
84                 if (ans == "YES")
85                 {
86                     break;
87                 }
88
89                 len_primerio++;
90                 primero = BigInteger.Parse(s.Substring(0, len_primerio));
91                 x = primero;
92                 desde = len_primerio;
93
94             }
95
96             if (ans == "YES")
97             {
98                 Console.WriteLine(ans + " " + x);
99             }
100             else
101             {
102                 Console.WriteLine("NO");
103             }
104         }
105     }
106 }
```

```
104
105     }
106
107
108     }
109 }
110 }
111
```

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