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Run Code

Our Solution(s)

Run Code

Your Solutions

```
Solution 1 Solution 2
 1 // Copyright © 2020 AlgoExpert, LLC. All rights reserved.
   using System:
   using System.Collections.Generic;
 6 public class Program {
     // O(n^3 + m) time | O(n + m) space - where n is the number of digi
     public static int NumbersInPi(string pi, string[] numbers) {
       HashSet<string> numbersTable = new HashSet<string>();
        foreach (string number in numbers) {
10
11
         numbersTable.Add(number);
12
       Dictionary<int, int> cache = new Dictionary<int, int>();
14
        for (int i = pi.Length - 1; i >= 0; i--) {
15
         getMinSpaces(pi, numbersTable, cache, i);
16
17
       return cache[0] == Int32.MaxValue ? -1 : cache[0];
18
19
20
     public static int getMinSpaces(
21
       string pi,
22
       HashSet<string> numbersTable,
       Dictionary<int, int> cache,
26
        if (idx == pi.Length) return -1;
27
        if (cache.ContainsKey(idx)) return cache[idx];
28
        int minSpaces = Int32.MaxValue;
29
        for (int i = idx; i < pi.Length; i++) {</pre>
30
         string prefix = pi.Substring(idx, i + 1 - idx);
31
          if (numbersTable.Contains(prefix)) {
            int minSpacesInSuffix =
33
              getMinSpaces(pi, numbersTable, cache, i + 1);
```

 Our Tests
 Custom Output
 Submit Code

Run or submit code when you're ready.

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- man (10, 10), 10, 10, 100, 100, 100, 100, 10, 10

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