Description | Solution | Discuss (83) | Submissions

Java | Autocomplete

1215. Stepping Numbers

Medium 152 16 Add to List Share

A **stepping number** is an integer such that all of its adjacent digits have an absolute difference of exactly `1`.

- For example, `321` is a **stepping number** while `421` is not.

Given two integers `low` and `high`, return *a sorted list of all the* ***stepping numbers*** *in the inclusive range* `[low, high]`.

Example 1:

```
Input: low = 0, high = 21
Output: [0,1,2,3,4,5,6,7,8,9,10,12,21]
```

Example 2:

```
Input: low = 10, high = 15
Output: [10,12]
```

Constraints:

- `0 <= low <= high <= 2 * 10^9`

Accepted 7,052 | Submissions 15,789

Seen this question in a real interview before? Yes No

Companies

0 ~ 6 months | 6 months ~ 1 year | 1 year ~ 2 years

Amazon | 2 | Epic Systems

Related Topics

Backtracking | Breadth-First Search

Hide Hint 1

Try to generate the numbers using recursion.

Hide Hint 2

In one step in the recursion, add a valid digit to the right of the current number.

Hide Hint 3

Save the number if it's in the range between low and high.

```java
class Solution {
    public List<Integer> countSteppingNumbers(int low, int high) {

    }
}
```