

Problem 728: Self Dividing Numbers

Problem Information

Difficulty: [Easy](#)

Acceptance Rate: 80.10%

Paid Only: No

Tags: Math

Problem Description

A **self-dividing number** is a number that is divisible by every digit it contains.

* For example, `128` is **a self-dividing number** because `128 % 1 == 0`, `128 % 2 == 0`, and `128 % 8 == 0`.

A **self-dividing number** is not allowed to contain the digit zero.

Given two integers `left` and `right`, return `_` a list of all the **self-dividing numbers** in the range `[left, right]` (both **inclusive**).

Example 1:

Input: `left = 1, right = 22` **Output:** `[1,2,3,4,5,6,7,8,9,11,12,15,22]`

Example 2:

Input: `left = 47, right = 85` **Output:** `[48,55,66,77]`

Constraints:

* `1 <= left <= right <= 104`

Code Snippets

C++:

```
class Solution {  
public:  
    vector<int> selfDividingNumbers(int left, int right) {  
  
    }  
};
```

Java:

```
class Solution {  
    public List<Integer> selfDividingNumbers(int left, int right) {  
  
    }  
}
```

Python3:

```
class Solution:  
    def selfDividingNumbers(self, left: int, right: int) -> List[int]:
```