Problem Statement

A jumpy number is a positive integer, all of whose adjacent digits differ by at least 2. For example,

```
NOT JUMPY: 28459, 28549, 1091919, 97753, 111111
JUMPY: 290464, 13131313, 97539753, 5
```

Create a class JumpyNum that contains a method howMany that is given **low** and **high** and returns the number of jumpy numbers that are between **low** and **high**, inclusive.

Definition

Class: JumpyNum

Method: howMany

Parameters: int, int

Returns: int

Method signature: int howMany(int low, int high)
(be sure your method is public)

Constraints

- **low** is between 1 and 2,000,000,000, inclusive.
- **high** is between **low** and 2,000,000,000, inclusive.

Examples

```
0)
    1
   10
   Returns: 9
   All the single digit numbers are jumpy, but 10 isn't since 1 and 0 differ by only 1.
1)
    9
   23
   Returns: 9
   The jumpy ones are 9,13,14,15,16,17,18,19,20
2)
    2000000000
   2000000000
   Returns: 0
3)
   8000
   20934
   Returns: 3766
```