

5654. Maximum Number of Balls in a Box

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You are working in a ball factory where you have `n` balls numbered from `lowLimit` up to `highLimit` **inclusive** (i.e., `n == highLimit - lowLimit + 1`), and an infinite number of boxes numbered from 1 to infinity.

Your job at this factory is to put each ball in the box with a number equal to the sum of digits of the ball's number. For example, the ball number 321 will be put in the box number `3 + 2 + 1 = 6` and the ball number 10 will be put in the box number `1 + 0 = 1`.

Given two integers `lowLimit` and `highLimit`, return the number of balls in the box with the most balls.

User Accepted:	0
User Tried:	0
Total Accepted:	0
Total Submissions:	0
Difficulty:	Easy

Example 1:

**Input:** `lowLimit = 1, highLimit = 10`

**Output:** 2

**Explanation:**

Box Number: 1 2 3 4 5 6 7 8 9 10 11 ...

Ball Count: 2 1 1 1 1 1 1 1 0 0 ...

Box 1 has the most number of balls with 2 balls.

Example 2:

**Input:** `lowLimit = 5, highLimit = 15`

**Output:** 2

**Explanation:**

Box Number: 1 2 3 4 5 6 7 8 9 10 11 ...

Ball Count: 1 1 1 1 2 2 1 1 1 0 0 ...

Boxes 5 and 6 have the most number of balls with 2 balls in each.

Example 3:

**Input:** `lowLimit = 19, highLimit = 28`

**Output:** 2

**Explanation:**

Box Number: 1 2 3 4 5 6 7 8 9 10 11 12 ...

Ball Count: 0 1 1 1 1 1 1 1 1 2 0 0 ...

Box 10 has the most number of balls with 2 balls.

Constraints:

- `1 <= lowLimit <= highLimit <= 105`

JavaScript

```
1 /**
2  * @param {number} lowLimit
3  * @param {number} highLimit
4  * @return {number}
5  */
6 var countBalls = function(lowLimit, highLimit) {
7
8 };
```