5654. Maximum Number of Balls in a Box

My Submissions (/contest/weekly-contest-226/problems/maximum-number-of-balls-in-a-box/submissions/) Back to Contest (/contest/weekly-contest-226/)

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 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 <= 10^5`

JavaScript

```javascript
/**
 * @param {number} lowLimit
 * @param {number} highLimit
 * @return {number}
 */
const countBalls = (lowLimit, highLimit) => {
    let res = Array(highLimit).fill(0);
    for (let i = lowLimit; i <= highLimit; i++) {
        let s = i.toString().split('');
        let sum = 0;
        for (const c of s) {
            sum += Number(c);
        }
        res[sum - 1]++;
    }
    return Math.max.apply(Math, res);
};
```

Custom Testcase Use Example Testcases

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Submission Result: Accepted (/submissions/detail/449935515/) More Details (/submissions/detail/449935515/)

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