1523. Count Odd Numbers in an Interval Range

Solved ✓

Easy | ◇ Topics | 🔒 Companies | 💡 Hint

Given two non-negative integers `low` and `high`. Return the *count of odd numbers between* `low` *and* `high` *(inclusive)*.

Example 1:

```
Input: low = 3, high = 7
Output: 3
Explanation: The odd numbers between 3 and 7 are [3,5,7].
```

Example 2:

```
Input: low = 8, high = 10
Output: 1
Explanation: The odd numbers between 8 and 10 are [9].
```

Constraints:

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

Python:

```python
class Solution(object):
    def countOdds(self, low, high):
        return (high - low + 1 + low % 2) // 2
```

JavaScript:

```javascript
/**
 * @param {number} low
 * @param {number} high
 * @return {number}
 */
var countOdds = function(low, high) {
    return Math.floor((high - low + 1 + (low % 2)) / 2);
};
```

Java:

```java
class Solution {
    public int countOdds(int low, int high) {
        return (high - low + 1 + low % 2) / 2;}}
```