

## 5440. XOR Operation in an Array

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[Back to Contest \(/contest/weekly-contest-194/\)](/contest/weekly-contest-194/)

Given an integer `n` and an integer `start`.

Define an array `nums` where `nums[i] = start + 2*i` (0-indexed) and `n == nums.length`.

Return the bitwise XOR of all elements of `nums`.

User Accepted: 5271

User Tried: 5342

Total Accepted: 5324

Total Submissions: 5663

Difficulty: Easy

### Example 1:

**Input:** `n = 5, start = 0`

**Output:** 8

**Explanation:** Array `nums` is equal to `[0, 2, 4, 6, 8]` where `0 ^ 2 ^ 4 ^ 6 ^ 8 = 8`. Where "`^`" corresponds to bitwise XOR operator.

### Example 2:

**Input:** `n = 4, start = 3`

**Output:** 8

**Explanation:** Array `nums` is equal to `[3, 5, 7, 9]` where `(3 ^ 5 ^ 7 ^ 9) = 8`.

### Example 3:

**Input:** `n = 1, start = 7`

**Output:** 7

### Example 4:

**Input:** `n = 10, start = 5`

**Output:** 2

### Constraints:

- `1 <= n <= 1000`
- `0 <= start <= 1000`
- `n == nums.length`

JavaScript



```
1 ▾ /**
2   * @param {number} n
3   * @param {number} start
4   * @return {number}
5   */
6 ▾ const xorOperation = (n, start) => {
7     let nums = [];
8     let xor = 0;
9 ▾     for (let i = 0; i < n; i++) {
10         nums[i] = start + 2*i;
11         xor ^= nums[i];
12     }
13     return xor;
14 };
```

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