


67. Add Binary	56.0%	Easy	
136. Single Number	76.5%	Easy	
190. Reverse Bits	64.1%	Easy	
191. Number of 1 Bits	75.2%	Easy	
222. Count Complete Tree Nodes	70.8%	Easy	
231. Power of Two	49.3%	Easy	
 266. Palindrome Permutation	68.5%	Easy	
268. Missing Number	70.7%	Easy	
338. Counting Bits	80.0%	Easy	
342. Power of Four	51.1%	Easy	
389. Find the Difference	59.8%	Easy	
401. Binary Watch	57.1%	Easy	
405. Convert a Number to Hexadecimal	51.6%	Easy	
461. Hamming Distance	76.3%	Easy	
476. Number Complement	70.3%	Easy	
645. Set Mismatch	45.2%	Easy	
693. Binary Number with Alternating Bits	63.7%	Easy	
762. Prime Number of Set Bits in Binary Representation	71.4%	Easy	
832. Flipping an Image	83.2%	Easy	
868. Binary Gap	65.0%	Easy	
1009. Complement of Base 10 Integer	60.6%	Easy	
1018. Binary Prefix Divisible By 5	47.2%	Easy	
1342. Number of Steps to Reduce a Number to Zero	85.7%	Easy	
1356. Sort Integers by The Number of 1 Bits	78.8%	Easy	
1486. XOR Operation in an Array	87.1%	Easy	
1684. Count the Number of Consistent Strings	88.3%	Easy	
1720. Decode XORed Array	87.1%	Easy	
1763. Longest Nice Substring	62.9%	Easy	
1863. Sum of All Subset XOR Totals	90.1%	Easy	
2032. Two Out of Three	76.8%	Easy	
2206. Divide Array Into Equal Pairs	79.3%	Easy	
2220. Minimum Bit Flips to Convert Number	87.7%	Easy	
2351. First Letter to Appear Twice	74.4%	Easy	
2506. Count Pairs Of Similar Strings	72.9%	Easy	
2595. Number of Even and Odd Bits	72.9%	Easy	
2859. Sum of Values at Indices With K Set Bits	85.8%	Easy	
2869. Minimum Operations to Collect Elements	61.5%	Easy	
2917. Find the K-or of an Array	72.3%	Easy	
2932. Maximum Strong Pair XOR I	75.3%	Easy	
2980. Check if Bitwise OR Has Trailing Zeros	70.2%	Easy	



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645. Set Mismatch	45.2%
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762. Prime Number of Set Bits in Binary Representation	71.4%
832. Flipping an Image	83.2%
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2351. First Letter to Appear Twice	74.4%
2506. Count Pairs Of Similar Strings	72.9%
2595. Number of Even and Odd Bits	72.9%
2859. Sum of Values at Indices With K Set Bits	85.8%
2869. Minimum Operations to Collect Elements	61.5%
2917. Find the K-or of an Array	72.3%
2932. Maximum Strong Pair XOR I	75.3%
2980. Check if Bitwise OR Has Trailing Zeros	70.2%
3095. Shortest Subarray With OR at Least K I	43.2%
3158. Find the XOR of Numbers Which Appear Twice	78.1%
3173. Bitwise OR of Adjacent Elements	95.0%
3199. Count Triplets with Even XOR Set Bits I	83.1%
3226. Number of Bit Changes to Make Two Integers Equal	62.9%
3304. Find the K-th Character in String Game I	81.8%
3314. Construct the Minimum Bitwise Array I	74.2%
3370. Smallest Number With All Set Bits	76.1%

29. Divide Two Integers

78. Subsets

89. Gray Code

90. Subsets II

137. Single Number II


187. Repeated DNA Sequences


201. Bitwise AND of Numbers Range

260. Single Number III

287. Find the Duplicate Number

318. Maximum Product of Word Lengths

 320. Generalized Abbreviation

 351. Android Unlock Patterns

371. Sum of Two Integers

393. UTF-8 Validation

397. Integer Replacement

421. Maximum XOR of Two Numbers in an Array

464. Can I Win

473. Matchsticks to Square

477. Total Hamming Distance


491. Non-decreasing Subsequences

526. Beautiful Arrangement

638. Shopping Offers

672. Bulb Switcher II

698. Partition to K Equal Sum Subsets

 751. IP to CIDR

756. Pyramid Transition Matrix

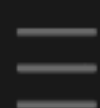
779. K-th Symbol in Grammar

784. Letter Case Permutation

861. Score After Flipping Matrix

898. Bitwise ORs of Subarrays

957. Prison Cells After N Days



898. Bitwise ORs of Subarrays

957. Prison Cells After N Days


1016. Binary String With Substrings Representing 1 To N

 1066. Campus Bikes II

1177. Can Make Palindrome from Substring

1238. Circular Permutation in Binary Representation

1239. Maximum Length of a Concatenated String with Unique Characters

 1256. Encode Number

1310. XOR Queries of a Subarray

1318. Minimum Flips to Make a OR b Equal to c

1371. Find the Longest Substring Containing Vowels in Even Counts

1386. Cinema Seat Allocation

1404. Number of Steps to Reduce a Number in Binary Representation to One

1442. Count Triplets That Can Form Two Arrays of Equal XOR

1457. Pseudo-Palindromic Paths in a Binary Tree

1461. Check If a String Contains All Binary Codes of Size K

1525. Number of Good Ways to Split a String


1558. Minimum Numbers of Function Calls to Make Target Array

1680. Concatenation of Consecutive Binary Numbers

1734. Decode XORed Permutation

1738. Find Kth Largest XOR Coordinate Value

1829. Maximum XOR for Each Query

 1908. Game of Nim

1915. Number of Wonderful Substrings


1930. Unique Length-3 Palindromic Subsequences

1947. Maximum Compatibility

1986. Minimum Number

2002. Maximum Product of the Length of Two Palindromic Subsequences


2044. Count Number of Maximum Bitwise-OR Subsets


 2128. Remove All Ones With Row and Column Flips


2135. Count Words Obtained After Adding a Letter

Select a bigger area

2135. Count Words Obtained After Adding a Letter

 2152. Minimum Number of Lines to Cover Points

 2174. Remove All Ones With Row and Column Flips II

 2184. Number of Ways to Build Sturdy Brick Wall

2212. Maximum Points in an Archery Competition

2275. Largest Combination With Bitwise AND Greater Than Zero

2305. Fair Distribution of Cookies

2317. Maximum XOR After Operations

2397. Maximum Rows Covered by Columns

2401. Longest Nice Subarray

2411. Smallest Subarrays With Maximum Bitwise OR


2419. Longest Subarray With Maximum Bitwise AND

2425. Bitwise XOR of All Pairings

2429. Minimize XOR

2433. Find The Original Array of Prefix Xor

2438. Range Product Queries of Powers

 2505. Bitwise OR of All Subsequence Sums

2527. Find Xor-Beauty of Array

2546. Apply Bitwise Operations to Make Strings Equal

2564. Substring XOR Queries

2568. Minimum Impossible OR

2571. Minimum Operations to Reduce an Integer to 0

2572. Count the Number of Square-Free Subsets

2588. Count the Number of Beautiful Subarrays

2657. Find the Prefix Common Array of Two Arrays


2680. Maximum OR

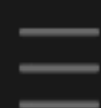
2683. Neighboring Bitwise XOR

2708. Maximum Strength of a Group

2741. Special Permutations

2749. Minimum Operations to Make the Integer Zero


 2802. Find The K-th Lucky Number



2708. Maximum Strength of a Group

2741. Special Permutations


2749. Minimum Operations to Make the Integer Zero

 2802. Find The K-th Lucky Number

2857. Count Pairs of Points With Distance k

2871. Split Array Into Maximum Number of Subarrays


2939. Maximum Xor Product


 2992. Number of Self-Divisible Permutations

2997. Minimum Number of Operations to Make Array XOR Equal to K

3007. Maximum Number That Sum of the Prices Is Less Than or Equal to K

3011. Find if Array Can Be Sorted

 3064. Guess the Number Using Bitwise Questions I


 3094. Guess the Number Using Bitwise Questions II

3097. Shortest Subarray With OR at Least K II

3133. Minimum Array End


3191. Minimum Operations to Make Binary Array Elements Equal to One I

3211. Generate Binary Strings Without Adjacent Zeros

 3215. Count Triplets with Even XOR Set Bits II

3309. Maximum Possible Number by Binary Concatenation

3315. Construct the Minimum Bitwise Array II

 3344. Maximum Sized Array

3376. Minimum Time to Break Locks I


3393. Count Paths With the Given XOR Value

3513. Number of Unique XOR Triplets I

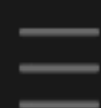
3514. Number of Unique XOR Triplets II



3566. Partition Array into Two Equal Product Subsets








3568. Minimum Moves to Clean the Classroom

 3595. Once Twice

3599. Partition Array to Minimize XOR



 411. Minimum Unique Word Abbreviation	40.2%	Hard
 465. Optimal Account Balancing	50.1%	Hard
691. Stickers to Spell Word	50.2%	Hard
782. Transform to Chessboard	50.8%	Hard
805. Split Array With Same Average	26.2%	Hard
810. Chalkboard XOR Game	63.7%	Hard
847. Shortest Path Visiting All Nodes	65.5%	Hard
864. Shortest Path to Get All Keys	54.0%	Hard
943. Find the Shortest Superstring	44.6%	Hard
980. Unique Paths III	82.5%	Hard
982. Triples with Bitwise AND Equal To Zero	59.6%	Hard
995. Minimum Number of K Consecutive Bit Flips	62.2%	Hard
996. Number of Squareful Arrays	50.7%	Hard
1125. Smallest Sufficient Team	55.3%	Hard
1178. Number of Valid Words for Each Puzzle	47.3%	Hard
1255. Maximum Score Words Formed by Letters	81.6%	Hard
1284. Minimum Number of Flips to Convert Binary Matrix to Zero Matrix	72.2%	Hard
1349. Maximum Students Taking Exam	52.6%	Hard
1434. Number of Ways to Wear Different Hats to Each Other	44.8%	Hard
1494. Parallel Courses II	29.7%	Hard
1521. Find a Value of a Mysterious Function Closest to Target	46.1%	Hard
1542. Find Longest Awesome Substring	45.6%	Hard
1595. Minimum Cost to Connect Two Groups of Points	48.8%	Hard
1601. Maximum Number of Achievable Transfer Requests	64.5%	Hard
1611. Minimum One Bit Operations to Make Integers Zero	73.2%	Hard
1617. Count Subtrees With Max Distance Between Cities	66.6%	Hard
1655. Distribute Repeating Integers	40.0%	Hard
1659. Maximize Grid Happiness	40.1%	Hard
1681. Minimum Incompatibility	40.3%	Hard
1707. Maximum XOR With an Element From Array	56.4%	Hard
1723. Find Minimum Time to Finish All Jobs	44.2%	Hard
1755. Closest Subsequence Sum	42.3%	Hard
1787. Make the XOR of All Segments Equal to Zero	40.2%	Hard
1799. Maximize Score After N Operations	57.9%	Hard
1803. Count Pairs With XOR in a Range	45.9%	Hard
1815. Maximum Number of Groups Getting Fresh Donuts	40.8%	Hard
1835. Find XOR Sum of All Pairs Bitwise AND	62.0%	Hard
1879. Minimum XOR Sum of Two Arrays	49.5%	Hard

1879. Minimum XOR Sum of Two Arrays	49.5%	Hard	
1938. Maximum Genetic Difference Query	45.1%	Hard	
 1994. The Number of Good Subsets	36.1%	Hard	
2035. Partition Array Into Two Arrays to Minimize Sum Difference	22.3%	Hard	
2151. Maximum Good People Based on Statements	51.4%	Hard	
2157. Groups of Strings	27.0%	Hard	
2172. Maximum AND Sum of Array	50.2%	Hard	
 2247. Maximum Cost of Trip With K Highways	50.5%	Hard	
2306. Naming a Company	46.4%	Hard	
2322. Minimum Score After Removals on a Tree	76.4%	Hard	
2354. Number of Excellent Pairs	48.3%	Hard	
 2403. Minimum Time to Kill All Monsters	56.6%	Hard	
2732. Find a Good Subset of the Matrix	46.3%	Hard	
2791. Count Paths That Can Form a Palindrome in a Tree	46.1%	Hard	
2835. Minimum Operations to Form Subsequence With Target Sum	31.9%	Hard	
2836. Maximize Value of Function in a Ball Passing Game	29.5%	Hard	
2897. Apply Operations on Array to Maximize Sum of Squares	43.6%	Hard	
2920. Maximum Points After Collecting Coins From All Nodes	35.9%	Hard	
2935. Maximum Strong Pair XOR II	31.2%	Hard	
2959. Number of Possible Sets of Closing Branches	49.3%	Hard	
3003. Maximize the Number of Partitions After Operations	27.9%	Hard	
3022. Minimize OR of Remaining Elements Using Operations	28.9%	Hard	☆
3068. Find the Maximum Sum of Node Values	69.7%	Hard	
3108. Minimum Cost Walk in Weighted Graph	68.3%	Hard	
3116. Kth Smallest Amount With Single Denomination Combination	18.8%	Hard	
3117. Minimum Sum of Values by Dividing Array	27.2%	Hard	
 3141. Maximum Hamming Distances	47.4%	Hard	
3145. Find Products of Elements of Big Array	22.3%	Hard	
3149. Find the Minimum Cost Array Permutation	24.2%	Hard	
3154. Find Number of Ways to Reach the K-th Stair	36.7%	Hard	
3171. Find Subarray With Bitwise OR Closest to K	30.1%	Hard	
3181. Maximum Total Reward Using Operations II	20.9%	Hard	
3209. Number of Subarrays With AND Value of K	34.2%	Hard	
3276. Select Cells in Grid With Maximum Score	14.6%	Hard	
3283. Maximum Number of Moves to Kill All Pawns	32.7%	Hard	
3287. Find the Maximum Sequence Value of Array	19.3%	Hard	
3307. Find the K-th Character in String Game II	48.6%	Hard	
3435. Frequencies of Shortest Supersequences	16.7%	Hard	
3444. Minimum Increments for Target Multiples in an Array	25.9%	Hard	
3495. Minimum Operations to Make Array Elements Zero	33.5%	Hard	
3530. Maximum Profit from Valid Topological Order in DAG	27.8%	Hard	
3533. Concatenated Divisibility	27.0%	Hard	
3539. Find Sum of Array Product of Magical Sequences	24.8%	Hard	
3575. Maximum Good Subtree Score	44.2%	Hard	
3594. Minimum Time to Transport All Individuals	25.8%	Hard	



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67. Add Binary

Easy

Topics

Companies

Given two binary strings `a` and `b`, return *their sum as a binary string*.

Example 1:

Input: `a = "11"`, `b = "1"`

Output: `"100"`

Example 2:

Input: `a = "1010"`, `b = "1011"`

Output: `"10101"`

Constraints:

- `1 <= a.length, b.length <= 104`
- `a` and `b` consist only of `'0'` or `'1'` characters.
- Each string does not contain leading zeros except for the zero itself.

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Get B

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No

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Topics



Companies



Similar Questions



Discussion (246)



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</> Code

C++ Auto

```
1 class Solution {
2 public:
3     string addBinary(string a,
4
5     }
6 };
```



136. Single Number

Easy

Topics

Companies

Hint

Given a **non-empty** array of integers `nums`, every element appears **twice** except for one. Find that single one.

You must implement a solution with a linear runtime complexity and use only constant extra space.

Example 1:

Input: `nums = [2,2,1]`

Output: 1

Example 2:

Input: `nums = [4,1,2,1,2]`

Output: 4

Example 3:

Input: `nums = [1]`

Output: 1

Constraints:

- $1 \leq \text{nums.length} \leq 3 \times 10^4$
- $-3 \times 10^4 \leq \text{nums}[i] \leq 3 \times 10^4$
- Each element in the array appears twice except for one element which appears only once.

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Yes

No

Accepted **3,973,478** / 5.2M | Acceptance Rate **76.5%**

Topics

Companies

Hint 1

Similar Questions

```
1 class Solution
2 public:
3     int singleNumber
4
5     }
6 };
```




190. Reverse Bits

Easy

Topics

Companies

Reverse bits of a given 32 bits signed integer.

Example 1:

Input: n = 43261596

Output: 964176192

Explanation:

Integer	Binary
43261596	00000010100101000001111010011100
964176192	00111001011110000010100101000000

Example 2:

Input: n = 2147483644

Output: 1073741822

Explanation:

Integer	Binary
2147483644	0111111111111111111111111111100
1073741822	0011111111111111111111111111110

Constraints:

- $0 \leq n \leq 2^{31} - 2$
- n is even.

Follow up: If this function is called many times, how would you optimize it?



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Yes

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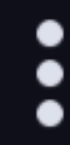
Topics

Companies

Similar Questions

C++

```
1 class Solution {
2 public:
3     int reverseBits(int n) {
4
5     }
6 };
```



191. Number of 1 Bits

Easy

Topics

Companies

Given a positive integer n , write a function that returns the number of **set bits** in its binary representation (also known as the **Hamming weight**).

Example 1:

Input: $n = 11$

Output: 3

Explanation:

The input binary string **1011** has a total of three set bits.

Example 2:

Input: $n = 128$

Output: 1

Explanation:

The input binary string **10000000** has a total of one set bit.

Example 3:

Input: $n = 2147483645$

Output: 30

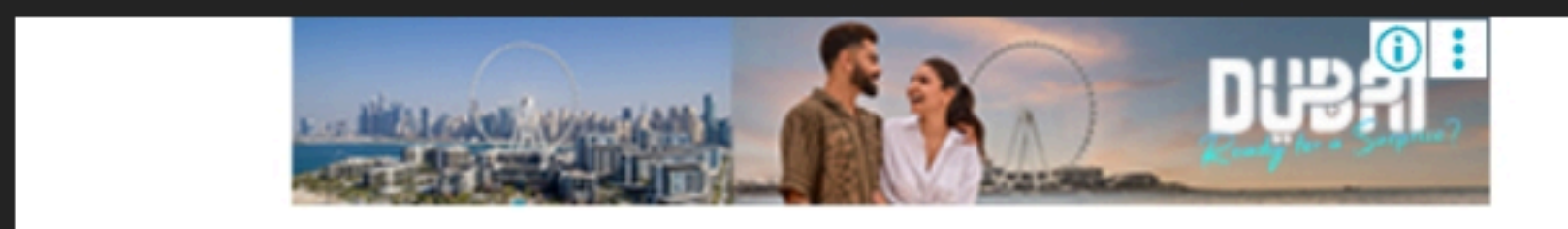
Explanation:

The input binary string **1111111111111111111111111111101** has a total of thirty set bits.

Constraints:

- $1 \leq n \leq 2^{31} - 1$

Follow up: If this function is called many times, how would you optimize it?



Seen this question in a real interview before? 1/5

Yes

No

```
1 class Solution:
2     public:
3         int hammingWeight(int n) {
4             // ...
5         }
6     };
```