Bit-Manipulation





Leetcode -3133 Metrum

Facebook] -> code storywith MIK
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-> codestory with MIK

Something on 10014.



Try this channel to see "Life behind the scenes

Motivation



You don't have to be perject;
just keep moving forward.

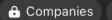
Small steps lead to big changes.

Every Effort Counts



▼ Topics

Medium

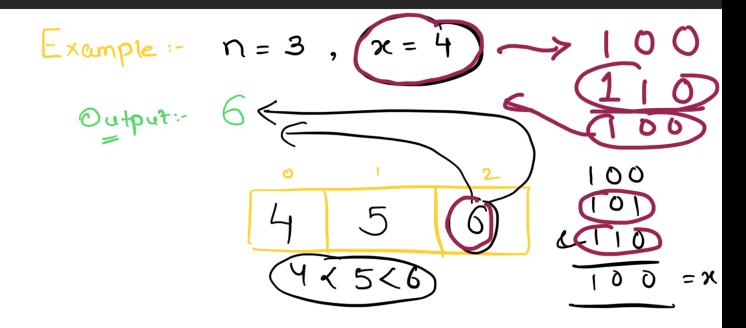






You are given two integers n and x. You have to construct an array of **positive** integers nums of size n where for every 0 <= i < n-1, nums [i+1] is **greater than** nums [i] and the result of the bitwise AND operation between all elements of nums is x.

Return the **minimum** possible value of nums[n - 1].



Thought Process

AND operation ...

$$\eta = 3$$
, $\alpha = 4$

$$\{4, ?, ?$$

$$4 \rightarrow 100$$

$$5 \rightarrow 1 \ 0 \ 1$$

$$n = 2$$
, $x = 7$

$$\frac{1}{2} \rightarrow \chi$$

45+1

$$\eta = 4$$
, $\chi = 37$