





Find The Duplicate

Number

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287. Find the Duplicate Number

Given an array of integers nums containing + 1 integers where each integer is in the range [1, n] inclusive.

There is only **one repeated number** in <code>nums</code> , return *this repeated number*.

You must solve the problem without modifying the array nums and uses only constant extra space.

Example 1:

Input: nums = [1,3,4,2,2]

Output: 2

Proach without modifying array :- (Linear Runtime)

I identify Have & Toutoise

Algorithm ????

→ () Duplicacy , X > (·) Traverse through indices . (1<= nums[i]<=n) Hare & Tortoise (8/0w-fast Pointer) Detect Gck > "There is a Cycle" (s = F)Detect yele. Cycle Starting Paint (duplicate noi).









