3	Problem List 〈 〉 ⊃\$	88	£6
=	Description		
1	675. Minimize Deviation in Array		
	Hard Topics Companies Hint		
Yo	ou are given an array nums of n positive integers.		
Yc	ou can perform two types of operations on any element of the array any number of times:		
	If the element is even , divide it by 2. • For example, if the array is [1,2,3,4], then you can do this operation on the last element, and the array will be [1,2,3,2].		
	If the element is odd , multiply it by 2. • For example, if the array is [1,2,3,4], then you can do this operation on the first element, and the array will be [2,2,3,4].		
Th	he deviation of the array is the maximum difference between any two elements in the array.		
Re	eturn the minimum deviation the array can have after performing some number of operations.		
	<pre>input: nums = [1,2,3,4] Output: 1 Explanation: You can transform the array to [1,2,3,2], then to [2,2,3,2], then the deviation example 2:</pre>	will	b€
	<pre>Input: nums = [4,1,5,20,3] Output: 3 Explanation: You can transform the array after two operations to [4,2,5,5,3], then the deviate</pre>	ion w	il
E>	xample 3:		
	<pre>Input: nums = [2,10,8] Output: 3</pre>		
Co	onstraints:		
•	n == nums.length		
•	$2 <= n <= 5 * 10^4$		
•	1 <= nums[i] <= 10 ⁹		
	een this question in a real interview before? 1/4 Yes No		
Ac	ccepted 92.1K Submissions 169.9K Acceptance Rate 54.2%		
	Topics		
	Companies		
	Hint 1		
	Hint 2		
	Hint 3		
	Discussion (70)		