0,00,23, 20.20 Widalinum Number That wakes Nesujt of bitwise AND Zero - LeetCode	
3125. Maximum Number That Makes Result of Bitwise AND Zero Medium Topics Fig. 19 Phint	Solved •
Given an integer $[n]$, return the maximum integer $[x]$ such that $[x \le n]$, and the bitwise $[AND]$ of all the numbers in the range $[x]$	n] is 0.
Example 1:	
Input: n = 7	
Output: 3	
Explanation:	
The bitwise AND of [6, 7] is 6. The bitwise AND of [5, 6, 7] is 4. The bitwise AND of [4, 5, 6, 7] is 4. The bitwise AND of [3, 4, 5, 6, 7] is 0.	
Example 2:	
Input: n = 9	
Output: 7	
Explanation:	
The bitwise AND of [7, 8, 9] is 0.	
Example 3:	
Input: n = 17	
Output: 15	
Explanation:	
The bitwise AND of [15, 16, 17] is 0.	
Constraints:	
• $1 \le n \le 10^{15}$	
Seen this question in a real interview before? 1/5	
Yes No	
Accepted 1.094 _{/1.6K} Acceptance Rate 68.9%	
Topics	~
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Hint 1	~
Hint 2	~
Hint 3	

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Discussion (2)