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Frequency Queries 🌣

	Submissions	Leaderboard	Discussions	Editorial
_		ne form two integers des	cribed below:	
1 æ: Insert x in yo				
		data structure, if present frequency is exactly 2. I		
				ontains the operation, and <i>queries[i][1]</i>
				(3,2),(1,1),(1,1),(2,1),(3,2) . The results
of each operation a				
Operation A	rray Output			
Operation A (1,1) [1]			
(2,2) [1 (3,2)	Θ.			
(1,1) [1	,1]			
(Z,1) [1	,1]			
(3,2)	1			
Return an array wit	th the output: [0, 1] .			
unction Descript	ion			
				where each element is a 1 if there is at least or
		occurrences in the curr	ent array, or 0 if there i	s not.
 queries: a 2-d ar 	following parameter(s): rray of integers			
nput Format				
•	ins of an integer q , the n	number of queries		
		ers denoting the 2-d arra	y queries .	
Constraints				
• 1 ≤ q ≤ 10 ⁵				
$1 \leq x, y, z \leq 1$	10 ⁹			
· All queries[i][0				
$1 \leq queries[i]$	$[1] \leq 10^9$			
Output Format				
Return an integer a	array consisting of all the	e outputs of queries of t	/pe 3 .	
Sample Input 0				
8 1 5				
1 6				
3 2 1 10				
1 10 1 6				
2 5				
3 2				
Sample Output 0				
6 1				
0 1				
0 1				
0 1 Explanation 0		eger whose frequency is		
e 1 Explanation 0 For the first query of the second query of the				answer is 0 . requency is 2 (integers = 6 and 10). So, the
6 1 Explanation 0 For the first query of the second queanswer is 1.				
1 Explanation 0 For the first query (
6 1 Explanation 0 For the first query of the second queanswer is 1.				
e 1 Explanation 0 For the first query to the second que answer is 1. Sample Input 1 4 3 4				
explanation 0 For the first query of the second questions in 1 Sample Input 1 4 3 4 2 1003 1 16				
e 1 Explanation 0 For the first query of the second queenswer is 1. Sample Input 1 4 3 4 2 1003				
explanation 0 For the first query of the second queenswer is 1. Sample Input 1 4 2 1003 1 16 3 1				
explanation 0 For the first query of the second queenswer is 1. Sample Input 1 4 2 1003 1 16 3 1 Sample Output 1				
Explanation 0 For the first query to the second que answer is 1. Sample Input 1 4 2 1003 1 16 3 1				
Explanation 0 For the first query of the second queen swer is 1. Sample Input 1 4 2 1903 1 16 3 1 Sample Output 1				
Explanation 0 For the first query of the second queen swer is 1. Sample Input 1 4 2 1903 1 16 3 1 Sample Output 1				
Explanation 0 For the first query of the second queen some is 1. Sample Input 1 4	of type 3 , there are t	wo integers in array =	[6, 10, 10, 6] whose fr	
explanation 0 For the first query to the second queenswer is 1. Sample Input 1 4 2 1003 1 16 3 1 5 ample Output 1 0 1 Explanation 1 For the first query to the frequency 1 so the first query to the	of type 3 , there are t	wo integers in array =	[6, 10, 10, 6] whose fr	requency is $m{2}$ (integers = $m{6}$ and $m{10}$). So, the
explanation 0 For the first query to the second queenswer is 1. Sample Input 1 4 2 1003 1 16 3 1 5 ample Output 1 0 1 Explanation 1 For the first query to the frequency 1 so the first query to the	of type 3 , there are t	wo integers in array =	[6, 10, 10, 6] whose fr	requency is $m{2}$ (integers = $m{6}$ and $m{10}$). So, the
explanation 0 For the first query of the second questions in 1 Sample Input 1 4 3 4 2 1003 1 16 3 1 Sample Output 1 0 1 Explanation 1 For the first query of frequency 1 so to sample Input 2	of type 3 , there are t	wo integers in array =	[6, 10, 10, 6] whose fr	requency is $m{2}$ (integers = $m{6}$ and $m{10}$). So, the
explanation 0 For the first query of the second questions in 1 sample Input 1 4 3 4 2 1903 1 16 3 1 sample Output 1 explanation 1 for the first query of frequency 1 so to sample Input 2 10 1 3	of type 3 , there are t	wo integers in array =	[6, 10, 10, 6] whose fr	requency is $m{2}$ (integers = $m{6}$ and $m{10}$). So, the
e 1 Explanation 0 For the first query of the second queenswer is 1 Sample Input 1 4 3 4 2 1003 1 16 3 1 Explanation 1 Explanation 1 For the first query of frequency 1 so to Sample Input 2	of type 3 , there are t	wo integers in array =	[6, 10, 10, 6] whose fr	requency is $m{2}$ (integers = $m{6}$ and $m{10}$). So, the
explanation 0 For the first query of the second queenswer is 1 Sample Input 1 4 3 4 2 1003 1 16 3 1 Sample Output 1 0 1 Explanation 1 For the first query of frequency 1 so to Sample Input 2	of type 3 , there are t	wo integers in array =	[6, 10, 10, 6] whose fr	requency is $m{2}$ (integers = $m{6}$ and $m{10}$). So, the
explanation 0 For the first query of the second questions in the second questions in the second questions in the second questions in the second question in the	of type 3 , there are t	wo integers in array =	[6, 10, 10, 6] whose fr	requency is $m{2}$ (integers = $m{6}$ and $m{10}$). So, the
Explanation 0 For the first query of the second queenswer is 1 Sample Input 1 4 3 4 2 1003 1 116 3 1 Sample Output 1 0 1 Explanation 1 For the first query of frequency 1 so to the sample Input 2 10 1 3 2 3 3 2 1 4 1 5 1 5 1 5	of type 3 , there are t	wo integers in array =	[6, 10, 10, 6] whose fr	requency is $m{2}$ (integers = $m{6}$ and $m{10}$). So, the
Explanation 0 For the first query of For the second queenswer is 1. Sample Input 1 4 3 4 2 1003 1 1 16 3 1 Sample Output 1 0 1 Explanation 1 For the first query of frequency 1 so to 5 sample Input 2 10 1 3 2 3 3 2 1 1 4 1 5 1 5 1 4 3 2 2 4	of type 3 , there are t	wo integers in array =	[6, 10, 10, 6] whose fr	requency is $m{2}$ (integers = $m{6}$ and $m{10}$). So, the
Explanation 0 For the first query of the second questions in 1 Sample Input 1 4 3 4 2 1993 1 16 3 1 Sample Output 1 6 1 Explanation 1 For the first query of frequency 1 so to Sample Input 2 10 13 2 3 3 2 1 4 1 5 1 5 1 5 1 4 3 2	of type 3 , there are t	wo integers in array =	[6, 10, 10, 6] whose fr	requency is $m{2}$ (integers = $m{6}$ and $m{10}$). So, the
Explanation 0 For the first query of the second queenswer is 1. Sample Input 1 4 3 4 2 1903 1 16 3 1 Sample Output 1 0 1 Explanation 1 For the first query of frequency 1 so to 5 sample Input 2 10 1 3 2 3 2 1 4 1 5 1 5 1 5 1 4 3 2 2 4 3 3 2	of type 3 , there are t	wo integers in array =	[6, 10, 10, 6] whose fr	requency is $m{2}$ (integers = $m{6}$ and $m{10}$). So, the
Explanation 0 For the first query of For the second que answer is 1 Sample Input 1 4 3 4 2 1003 1 16 3 1 Sample Output 1 0 1 Explanation 1 For the first query of frequency 1 so to Sample Input 2 10 13 2 3 3 2 14 1 5 1 5 1 4 1 5 1 4 3 2 2 4 3 2 Sample Output 2	of type 3 , there are t	wo integers in array =	[6, 10, 10, 6] whose fr	requency is $m{2}$ (integers = $m{6}$ and $m{10}$). So, the
Explanation 0 For the first query of For the second que answer is 1 Sample Input 1 4 3 4 2 1983 1 16 3 1 Sample Output 1 6 1 Explanation 1 For the first query of frequency 1 so to Sample Input 2 10 1 3 2 3 3 2 1 4 1 5 1 5 1 5 1 5 2 4 3 2 Sample Output 2	of type 3 , there are t	wo integers in array =	[6, 10, 10, 6] whose fr	requency is $oldsymbol{2}$ (integers = $oldsymbol{6}$ and $oldsymbol{10}$). So, the
explanation 0 For the first query of the second queenswer is 1 Sample Input 1 4 3 4 2 1003 1 16 3 1 Sample Output 1 6 1 Explanation 1 For the first query of frequency 1 so to sample Input 2 10 11 12 13 2 3 3 2 14 1 5 1 4 1 5 1 4 3 2 2 4 3 2 3 3 3 2 5 3 3 5 4 6 5 5 7 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7 8 7	of type 3 , there are t	wo integers in array =	[6, 10, 10, 6] whose fr	requency is $oldsymbol{2}$ (integers = $oldsymbol{6}$ and $oldsymbol{10}$). So, the
explanation 0 For the first query of the second queenswer is 1 Sample Input 1 4 3 4 2 1003 1 116 3 1 Sample Output 1 6 1 1 Explanation 1 For the first query of frequency 1 so to the second queenswer is 1 Sample Input 2 10 1 3 2 3 3 2 1 4 1 5 1 5 1 5 1 5 1 5 1 5 2 4 3 2 Sample Output 2 6 1 1 1	of type 3 , there are t	wo integers in array =	[6, 10, 10, 6] whose fr	requency is $oldsymbol{2}$ (integers = $oldsymbol{6}$ and $oldsymbol{10}$). So, the
explanation 0 For the first query of the second queenswer is 1 Sample Input 1 4 3 4 2 1003 1 16 3 1 Sample Output 1 6 1 Explanation 1 For the first query of frequency 1 so to sample Input 2 10 13 23 32 14 15 15 14 32 33 24 43 32 5ample Output 2 6 11 6 11 6 12 6 6 6 6 6 6 7 6 6 7 6 7 6 7 6 7 8 8 8 8 8 8 8 8 8 8 8 8	of type 3 , there are to	wo integers in array =	[6, 10, 10, 6] whose from the second of th	requency is ${f 2}$ (integers = ${f 6}$ and ${f 10}$). So, the excond query of type ${f 3}$, there is one integer, ${f 16}$
Explanation 0 For the first query of the second que answer is 1 Sample Input 1 4 3 4 2 1993 1 16 3 1 Sample Output 1 6 1 Explanation 1 For the first query of frequency 1 so to 5 Sample Input 2 10 1 3 2 3 3 2 1 4 1 5 1 5 1 5 1 5 1 5 2 4 3 2 Sample Output 2 When the first query of frequency 1 When the first query of frequency 1 Explanation 2 When the first query of frequency 1 Explanation 2	of type 3 , there are to of type 3 , there is no into the answer is 1 .	eger of frequency 4 . The	[$m{6}$, $m{10}$, $m{10}$, $m{6}$] whose find the second of $m{6}$ is and two $m{5}$'s before	requency is $m{2}$ (integers = $m{6}$ and $m{10}$). So, the