## 6044. Number of Flowers in Full Bloom

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You are given a **O-indexed** 2D integer array flowers, where flowers [i] =  $[start_i, end_i]$  means the i<sup>th</sup> flower will be in **full bloom** from  $start_i$  to  $end_i$  (**inclusive**). You are also given a **O-indexed** integer array persons of size n, where persons [i] is the time that the i<sup>th</sup> person will arrive to see the flowers.

Return an integer array answer of size n, where answer [i] is the **number** of flowers that are in full bloom when the  $i^{th}$  person arrives.

User Accepted:	0
User Tried:	0
Total Accepted:	0
Total Submissions:	0
Difficulty:	Hard

## Example 1:

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				<b>B</b> **	<b>B</b> **	<b>B</b>	<b>B</b>	<b>B</b> **	<b>B</b> **	<b>B</b> **	<b>B</b> **	<b>B</b> *	B3°
8	1	2	3	4	5	6	7	8	9	10	11	12	13
93		Ů	Ů				<b>\$</b>				ů 3		

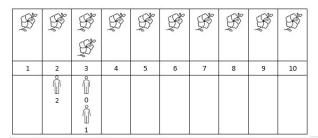
Input: flowers = [[1,6],[3,7],[9,12],[4,13]], persons = [2,3,7,11]

Output: [1,2,2,2]

Explanation: The figure above shows the times when the flowers are in full bloom and when the people arrive.

For each person, we return the number of flowers in full bloom during their arrival.

## Example 2:



Input: flowers = [[1,10],[3,3]], persons = [3,3,2]

**Output:** [2,2,1]

Explanation: The figure above shows the times when the flowers are in full bloom and when the people arrive.

For each person, we return the number of flowers in full bloom during their arrival.

## **Constraints:**

```
• 1 <= flowers.length <= 5 * 10^4
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• flowers[i].length == 2

• 1 <= start $_{\rm i}$  <= end $_{\rm i}$  <= 10 $^{\rm 9}$ 

• 1 <= persons.length <=  $5 * 10^4$ 

• 1 <= persons[i] <=  $10^9$ 

JavaScript 1 v const fullBloomFlowers = (flowers, persons) ⇒ { let d = [...flowers.map(x => [x[0], 1]), ...flowers.map(x => [x[1] + 1, -1]), ...persons.map((x, i) => [x, 0, i])];2 3  $d.sort((x, y) \Rightarrow x[0] - y[0]);$ 4 let h = 0, res = Array(persons.length).fill(0); 5 • for (const [, mark, idx] of d) { 6 • if (idx == undefined)  ${}$ 7 h += mark;8 • } else { 9 res[idx] += h;10

United States (/region)