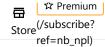
Mock(/interview/)

(/contest/)
Contest Discuss(/discuss/)









1705. Maximum Number of Eaten Apples

My Submissions (/contest/weekly-contest-221/problems/maximum-number-of-eaten-apples/submissions/)

Back to Contest (/contest/weekly-contest-221/)

There is a special kind of apple tree that grows apples every day for n days. On the i^{th} day, the tree grows apples[i] apples that will rot after days[i] days, that is on day i + days[i] the apples will be rotten and cannot be eaten. On some days, the apple tree does not grow any apples, which are denoted by apples[i] == 0 and days[i] == 0.

You decided to eat **at most** one apple a day (to keep the doctors away). Note that you can keep eating after the first n days.

Given two integer arrays days and apples of length n, return the maximum number of apples you can eat.

User Accepted:	1213
User Tried:	3020
Total Accepted:	1259
Total Submissions:	7924
Difficulty:	Medium

Example 1:

Input: apples = [1,2,3,5,2], days = [3,2,1,4,2]

Output: 7

Explanation: You can eat 7 apples:

- On the first day, you eat an apple that grew on the first day.
- On the second day, you eat an apple that grew on the second day.
- On the third day, you eat an apple that grew on the second day. After this day, the apples that grew on th
- On the fourth to the seventh days, you eat apples that grew on the fourth day.

Example 2:

Input: apples = [3,0,0,0,0,2], days = [3,0,0,0,0,2]

Output: 5

Explanation: You can eat 5 apples:

- On the first to the third day you eat apples that grew on the first day.
- Do nothing on the fouth and fifth days.
- On the sixth and seventh days you eat apples that grew on the sixth day.

Constraints:

- apples.length == n
- days.length == n
- 1 <= n <= 2 * 10⁴
- 0 <= apples[i], days[i] <= 2 * 10⁴
- days[i] = 0 if and only if apples[i] = 0.

Discuss (https://leetcode.com/problems/maximum-number-of-eaten-apples/discuss)







