There is a special kind of apple tree that grows apples every day for n days. On the ith 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.*

**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 the third day rot.

- 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.