You are given two **0-indexed** integer arrays, cost and time, of size n representing the costs and the time taken to paint n different walls respectively. There are two painters available:

* A**paid painter** that paints the ith wall in time[i] units of time and takes cost[i] units of money.
* A**free painter** that paints **any** wall in 1 unit of time at a cost of 0. But the free painter can only be used if the paid painter is already **occupied**.

Return *the minimum amount of money required to paint the* n*walls.*

**Example 1:**

Input: cost = [1,2,3,2], time = [1,2,3,2]  
Output: 3  
Explanation: The walls at index 0 and 1 will be painted by the paid painter, and it will take 3 units of time; meanwhile, the free painter will paint the walls at index 2 and 3, free of cost in 2 units of time. Thus, the total cost is 1 + 2 = 3.

**Example 2:**

Input: cost = [2,3,4,2], time = [1,1,1,1]  
Output: 4  
Explanation: The walls at index 0 and 3 will be painted by the paid painter, and it will take 2 units of time; meanwhile, the free painter will paint the walls at index 1 and 2, free of cost in 2 units of time. Thus, the total cost is 2 + 2 = 4.

**Constraints:**

* 1 <= cost.length <= 500
* cost.length == time.length
* 1 <= cost[i] <= 106
* 1 <= time[i] <= 500