You are given a **0-indexed** 2D integer array questions where questions[i] = [pointsi, brainpoweri].

The array describes the questions of an exam, where you have to process the questions **in order** (i.e., starting from question 0) and make a decision whether to **solve** or **skip** each question. Solving question i will **earn** you pointsi points but you will be **unable** to solve each of the next brainpoweri questions. If you skip question i, you get to make the decision on the next question.

* For example, given questions = [[3, 2], [4, 3], [4, 4], [2, 5]]:
  + If question 0 is solved, you will earn 3 points but you will be unable to solve questions 1 and 2.
  + If instead, question 0 is skipped and question 1 is solved, you will earn 4 points but you will be unable to solve questions 2 and 3.

Return *the****maximum****points you can earn for the exam*.

**Example 1:**

**Input:** questions = [[3,2],[4,3],[4,4],[2,5]]

**Output:** 5

**Explanation:** The maximum points can be earned by solving questions 0 and 3.

- Solve question 0: Earn 3 points, will be unable to solve the next 2 questions

- Unable to solve questions 1 and 2

- Solve question 3: Earn 2 points

Total points earned: 3 + 2 = 5. There is no other way to earn 5 or more points.

**Example 2:**

**Input:** questions = [[1,1],[2,2],[3,3],[4,4],[5,5]]

**Output:** 7

**Explanation:** The maximum points can be earned by solving questions 1 and 4.

- Skip question 0

- Solve question 1: Earn 2 points, will be unable to solve the next 2 questions

- Unable to solve questions 2 and 3

- Solve question 4: Earn 5 points

Total points earned: 2 + 5 = 7. There is no other way to earn 7 or more points.

**Constraints:**

* 1 <= questions.length <= 105
* questions[i].length == 2
* 1 <= pointsi, brainpoweri <= 105