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1710. Maximum Units on a Truck								
Easy	台 2260	7 136	♡ Add to	List 🖒 Share				

You are assigned to put some amount of boxes onto **one truck**. You are given a 2D array boxTypes , where boxTypes[i] = [numberOfBoxes_i, numberOfUnitsPerBox_i]:

- numberOfBoxes; is the number of boxes of type i.
- $numberOfUnitsPerBox_i$ is the number of units in each box of the type i.

You are also given an integer truckSize, which is the **maximum** number of **boxes** that can be put on the truck. can choose any boxes to put on the truck as long as the number of boxes does not exceed truckSize.

Return the *maximum* total number of *units* that can be put on the truck.

Example 1:

```
Input: boxTypes = [[1,3],[2,2],[3,1]], truckSize = 4
Output: 8
Explanation: There are:
- 1 box of the first type that contains 3 units.
- 2 boxes of the second type that contain 2 units each.
- 3 boxes of the third type that contain 1 unit each.
You can take all the boxes of the first and second types, and one box of the third type.
The total number of units will be = (1 * 3) + (2 * 2) + (1 * 1) = 8.
```

Example 2:

```
Input: boxTypes = [[5,10],[2,5],[4,7],[3,9]], truckSize = 10
Output: 91
```

Constraints:

- 1 <= boxTypes.length <= 1000
- 1 <= numberOfBoxes_i, numberOfUnitsPerBox_i <= 1000
- 1 <= truckSize <= 10⁶

