Difficulty:





(Easy)

5641. Maximum Units on a Truck

My Submissions (/contest/weekly-contest-222/problems/maximum-units-on-a-truck/submissions/) Back to Contest (/contest/weekly-contest-222/) You are assigned to put some amount of boxes onto one truck. You are given a 2D array boxTypes , where boxTypes [i] = User Accepted: 0 $[numberOfBoxes_i, numberOfUnitsPerBox_i]$: User Tried: 0 • $number0fBoxes_i$ is the number of boxes of type i. • $numberOfUnitsPerBox_i$ is the number of units in each box of the type i. Total Accepted: 0 You are also given an integer truckSize, which is the maximum number of boxes that can be put on the truck. You can **Total Submissions:** 0 choose any boxes to put on the truck as long as the number of boxes does not exceed truckSize.

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 <= number0fBoxes_i, number0fUnitsPerBox_i <= 1000

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

• 1 <= truckSize <= 10⁶

```
JavaScript
1 • /**
     * @param {number[][]} boxTypes
2
3
     * @param {number} truckSize
     * @return {number}
4
5
6 ▼
   var maximumUnits = function(boxTypes, truckSize) {
   };
```