5785. Merge Triplets to Form Target Triplet

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User Accepted:	0
User Tried:	0
Total Accepted:	0
Total Submissions:	0
Difficulty:	Medium

A **triplet** is an array of three integers. You are given a 2D integer array `triplets`, where `triplets[i] = [a_i, b_i, c_i]` describes the i^{th} **triplet**. You are also given an integer array `target = [x, y, z]` that describes the **triplet** you want to obtain.

To obtain `target`, you may apply the following operation on `triplets` **any number** of times (possibly **zero**):

- Choose two indices (**0-indexed**) `i` and `j` (`i != j`) and **update** `triplets[j]` to become `[max(a_i, a_j), max(b_i, b_j), max(c_i, c_j)]`.
  - For example, if `triplets[i] = [2, 5, 3]` and `triplets[j] = [1, 7, 5]`, `triplets[j]` will be updated to `[max(2, 1), max(5, 7), max(3, 5)] = [2, 7, 5]`.

Return `true` *if it is possible to obtain the* `target` ***triplet*** `[x, y, z]` *as an* ***element*** *of* `triplets`, *or* `false` *otherwise.*

Example 1:

```
Input: triplets = [[2,5,3],[1,8,4],[1,7,5]], target = [2,7,5]
Output: true
Explanation: Perform the following operations:
- Choose the first and last triplets [[2,5,3],[1,8,4],[1,7,5]]. Update the last triplet to be [max(2,1), max(5,
The target triplet [2,7,5] is now an element of triplets.
```

Example 2:

```
Input: triplets = [[1,3,4],[2,5,8]], target = [2,5,8]
Output: true
Explanation: The target triplet [2,5,8] is already an element of triplets.
```

Example 3:

```
Input: triplets = [[2,5,3],[2,3,4],[1,2,5],[5,2,3]], target = [5,5,5]
Output: true
Explanation: Perform the following operations:
- Choose the first and third triplets [[2,5,3],[2,3,4],[1,2,5],[5,2,3]]. Update the third triplet to be [max(2,
- Choose the third and fourth triplets [[2,5,3],[2,3,4],[2,5,5],[5,2,3]]. Update the fourth triplet to be [max(
The target triplet [5,5,5] is now an element of triplets.
```

Example 4:

```
Input: triplets = [[3,4,5],[4,5,6]], target = [3,2,5]
Output: false
Explanation: It is impossible to have [3,2,5] as an element because there is no 2 in any of the triplets.
```

Constraints:

- `1 <= triplets.length <= 10^5`
- `triplets[i].length == target.length == 3`
- `1 <= a_i, b_i, c_i, x, y, z <= 1000`

JavaScript

```
/**
 * @param {number[][]} triplets
 * @param {number[]} target
 * @return {boolean}
 */
var mergeTriplets = function(triplets, target) {

};
```

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