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39. Combination Sum

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Given an array of **distinct** integers `candidates` and a target integer `target`, return *a list of all **unique combinations** of* `candidates` *wher*

The **same** number may be chosen from `candidates` an **unlimited number of times**. Two combinations are unique if the frequency of at le

The test cases are generated such that the number of unique combinations that sum up to `target` is less than `150` combinations for the g

Example 1:

```
Input: candidates = [2,3,6,7], target = 7
Output: [[2,2,3],[7]]
Explanation:
2 and 3 are candidates, and 2 + 2 + 3 = 7. Note that 2 can be used multiple times.
7 is a candidate, and 7 = 7.
These are the only two combinations.
```

Example 2:

```
Input: candidates = [2,3,5], target = 8
Output: [[2,2,2,2],[2,3,3],[3,5]]
```

Example 3:

```
Input: candidates = [2], target = 1
Output: []
```

Constraints:

- `1 <= candidates.length <= 30`
- `2 <= candidates[i] <= 40`
- All elements of `candidates` are **distinct**.
- `1 <= target <= 40`

Seen this question in a real interview before?   1/4

Yes   No

Accepted **1.8M**   Submissions **2.5M**   Acceptance Rate **70.9%**

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