879. Profitable Schemes

Description

There is a group of `n` members, and a list of various crimes they could commit. The `i th` crime generates a `profit[i]` and requires `group[i]` members to participate in it. If a member participates in one crime, that member can't participate in another crime.

Let's call a **profitable scheme** any subset of these crimes that generates at least `minProfit` profit, and the total number of members participating in that subset of crimes is at most `n`.

Return the number of schemes that can be chosen. Since the answer may be very large, **return it modulo** `10 9 + 7`.

Example 1:

```
Input: n = 5, minProfit = 3, group = [2,2], profit = [2,3]
Output: 2
Explanation: To make a profit of at least 3, the group could either commit crimes 0 and 1, or just crime 1.
In total, there are 2 schemes.
```

Example 2:

```
Input: n = 10, minProfit = 5, group = [2,3,5], profit = [6,7,8]
Output: 7
Explanation: To make a profit of at least 5, the group could commit any crimes, as long as they commit one.
There are 7 possible schemes: (0), (1), (2), (0,1), (0,2), (1,2), and (0,1,2).
```

Constraints:

- `1 <= n <= 100`
- `0 <= minProfit <= 100`
- `1 <= group.length <= 100`
- `1 <= group[i] <= 100`
- `profit.length == group.length`
- `0 <= profit[i] <= 100`