@LeetCode

Assume you are an awesome parent and want to give your children some cookies. But, you should give each child at most one cookie. Each child i has a greed factor g_i, which is the minimum size of a cookie that the child will be content with; and each cookie j has a size s_j. If $s_j >= g_i$, we can assign the cookie j to the child i, and the child i will be content. Your goal is to maximize the number of your content children and output the maximum number.

Note:

You may assume the greed factor is always positive.

You cannot assign more than one cookie to one child.

Example 1:

```
Input: [1,2,3], [1,1]
```

```
Output: 1
```

```
Explanation: You have 3 children and 2 cookies. The greed factors of 3 children are
1, 2, 3.
```

```
And even though you have 2 cookies, since their size is both 1, you could only make
the child whose greed factor is 1 content.
```

```
You need to output 1.
```

Example 2:

```
Input: [1,2], [1,2,3]
```

```
Output: 2
```

```
Explanation: You have 2 children and 3 cookies. The greed factors of 2 children are
1, 2.
```

```
You have 3 cookies and their sizes are big enough to gratify all of the children,
```

```
You need to output 2.
```