

455. Assign Cookies

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Total Accepted: **16375** Total Submissions: **34632** Difficulty: **Easy** Contributors: **love_FDU_llp** (/love_fdu_llp/)

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 $s_j \geq g_i$, 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.

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C++



```
1 class Solution {
2 public:
3     int findContentChildren(vector<int>& g, vector<int>& s) {
4         sort(g.rbegin(), g.rend());
5         sort(s.rbegin(), s.rend());
6         int res = 0;
7         vector<int> visited(g.size());
8         for(auto cookie : s){
9             for(int i = 0; i < g.size(); ++i){
10                 if(visited[i] == 0 && g[i] <= cookie) {
11                     res++;
12                     visited[i] = 1;
13                     break;
14                 }
15             }
16         }
17         return res;
18     }
19 };
```

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