Question 1

Correct

Mark 1.00 out of 1.00

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Question text

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.

Example 1:

Input:

3

1 2 3

2

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.

Constraints:

1 <= g.length <= 3 * 10^4

0 <= s.length <= 3 * 10^4

1 <= g[i], s[j] <= 2^31 - 1

Answer:(penalty regime: 0 %)

```c
#include <stdio.h>
#include <stdlib.h>

int cmp(const void *a, const void *b) {
    return (*(int *)a - *(int *)b);
}

int main() {
    int n, m;
    scanf("%d", &n);
    int g[n];
    for (int i = 0; i < n; i++) scanf("%d", &g[i]);

    scanf("%d", &m);
    int s[m];
    for (int i = 0; i < m; i++) scanf("%d", &s[i]);

    qsort(g, n, sizeof(int), cmp);
    qsort(s, m, sizeof(int), cmp);

    int i = 0, j = 0, content = 0;
    while (i < n && j < m) {
        if (s[j] >= g[i]) {
            content++;
            i++;
            j++;
        } else {
            j++;
        }
    }

    printf("%d", content);
    return 0;
}

```

	Input	Expected	Got	
✔	2 1 2 3 1 2 3	2	2	✔

Passed all tests! ✔

Correct

Marks for this submission: 1.00/1.00.