455. Assign Cookies

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:** g = [1,2,3], s = [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:** g = [1,2], s = [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.

Constraints:

- $1 <= g.length <= 3 * 10^4$
- $0 <= s.length <= 3 * 10^4$
- $1 <= g[i], s[j] <= 2^{31} - 1$

Note: This question is the same as 2410: Maximum Matching of Players With Trainers.