

算法设计上机题

- 1、 You're given strings J representing the types of stones that are jewels, and S representing the stones you have. Each character in S is a type of stone you have. You want to know how many of the stones you have are also jewels.

The letters in J are guaranteed distinct, and all characters in J and S are letters. Letters are case sensitive, so "a" is considered a different type of stone from "A".

Example

Input: J = "aA", S = "aAAbbbb"

Output: 3

Input: J = "z", S = "ZZ"

Output: 0

Note:

- S and J will consist of letters and have length at most 50.
- The characters in J are distinct.

2、 Given two integers n and k , return all possible combinations of k numbers out of $1 \dots n$.

Example:

Input: $n = 4, k = 2$

Output:

```
[  
  [2,4],  
  [3,4],  
  [2,3],  
  [1,2],  
  [1,3],  
  [1,4],  
]
```