[Find Patterns](https://practice.geeksforgeeks.org/problems/find-patterns0606/1)

Given two strings S and W. Find the number of times W appears as a subsequence of string S where every character of string S can be included in forming at most one subsequence.

**Example 1:**

**Input:**

S = "abcdrtbwerrcokokokd"

W = "bcd"

**Output:**

2

**Explanation:**

The two subsequences of string W are

{ S1 , S2 , S3 } and { S6 , S11 , S18 }

(Assuming 0- based indexing).

**Example 2:**

**Input:**

S = "ascfret"

W = "qwer"

**Output:**

0

**Explanation:**

No valid subsequences are possible.

**Your Task:**  
You don't need to read input or print anything. Your task is to complete the function **numberOfSubsequences()** which takes the string S and string Was input parameters and returns the number of subsequences of string W in string S.

**Expected Time Complexity:** O(N2)  
**Expected Auxiliary Space:** O(N)

**Constraints:**  
1<=|S|<=1000  
1<=|W|<=|S|