

Problem 438: Find All Anagrams in a String

Problem Information

Difficulty: Medium

Acceptance Rate: 52.85%

Paid Only: No

Tags: Hash Table, String, Sliding Window

Problem Description

Given two strings `s` and `p`, return an array of all the start indices of `p`'s anagrams in `s`. You may return the answer in **any order**.

Example 1:

Input: `s = "cbaebabacd", p = "abc"` **Output:** `[0,6]` **Explanation:** The substring with start index = 0 is "cba", which is an anagram of "abc". The substring with start index = 6 is "bac", which is an anagram of "abc".

Example 2:

Input: `s = "abab", p = "ab"` **Output:** `[0,1,2]` **Explanation:** The substring with start index = 0 is "ab", which is an anagram of "ab". The substring with start index = 1 is "ba", which is an anagram of "ab". The substring with start index = 2 is "ab", which is an anagram of "ab".

Constraints:

`1 <= s.length, p.length <= 3 * 104` `s` and `p` consist of lowercase English letters.

Code Snippets

C++:

```
class Solution {  
public:
```

```
vector<int> findAnagrams(string s, string p) {  
  
}  
};
```

Java:

```
class Solution {  
    public List<Integer> findAnagrams(String s, String p) {  
  
    }  
}
```

Python3:

```
class Solution:  
    def findAnagrams(self, s: str, p: str) -> List[int]:
```