Anagram.

S & t both are anagram

$S = "Aditya"$
0 1 2 3 4 5

a → 2
d → 1
i = 1
t = 1
y = 1

$t = "diaaty"$
0 1 2 3 4 5

d = 1
i = 1
a = 2
t = 1
y = 1

→ length & freq. of characters should be same.

S = "abc"
0 1 2

t = "abc"

✓ abd

S = "abcd"

t = "abc"

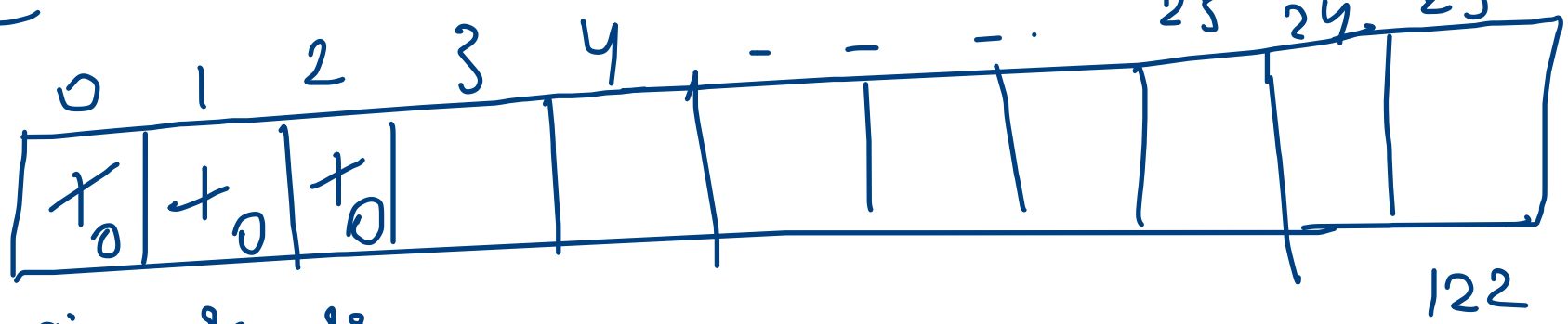
X

S = "abcd"

t = "abce"

X

S



i = 0

S.charAt(i) → 'a' - 'a'

97 - 97 = 0

```java
public static boolean anagram(String s, String t){

    // check length
    if(s.length() != t.length()){
        return false;
    }

    // create a freq array

    int freq[] = new int[26];

    //traverse string s and add the freq count
    for(int i = 0; i < s.length(); i++){
        freq[s.charAt(i) - 'a']++;
    }

    // traverse string t and decrease the freq
    for(int i = 0; i < t.length(); i++){
        freq[t.charAt(i) - 'a']--;
    }

    //if freq array is zero then anagram
    for(int i = 0; i < freq.length; i++){
        if(freq[i] != 0){
            return false;
        }
    }

    return true;
}
```

```java
    Scanner sc = new Scanner(System.in);
    String s = sc.nextLine();
    String t = sc.nextLine();

    if(anagram(s,t)){
        System.out.println("Yes");
    }
    else{
        System.out.println("No");
    }
}
```

TC → O(n)

SC → O(n)

S = "Sagar"
t = "ragsi"

Dry run