

Count Of Substrings Having At Most K Unique Characters

```
def CountStringWithKdistinctChars(s,k):
    ans = 0
    i=-1
    j=-1
    subString = ""
    freq = {}
    while True:
        f1,f2=False,False
        while i<len(s)-1:
            f1 = True
            i =i+1
            ch = s[i]
            freq[ch]= freq.get(ch,0)+1
            if len(freq)<=k:
                ans += i-j
            elif len(freq)>k:
                break

        while j<i:
            f2 = True
            j=j+1
            ch = s[j]
            if freq[ch]==1:
                del freq[ch]
            else:
                freq[ch] = freq[ch]-1
            if len(freq)==k:
                ans += i - j
                break

        if f1 is False and f2 is False:
            break
    return ans
```