Count Subarray With Equal Number Of 0s 1s And 2s

```python
def LongestSubarrayWithEqualZeroAndOneAndTwo(arr):
    count0 = 0
    count1 = 0
    count2 = 0
    freq = {}
    diff1 = count1 - count0
    diff2 = count2 - count1
    key = str(diff1) + '#' + str(diff2)
    freq[key] = 1
    ans = 0
    for i, ele in enumerate(arr):
        if ele == 0:
            count0 += 1
        elif ele == 1:
            count1 += 1
        else:
            count2 += 1
        diff1 = count1 - count0
        diff2 = count2 - count1
        key = str(diff1) + '#' + str(diff2)
        if key in freq:
            ans += freq[key]
        freq[key] = freq.get(key, 0) + 1

    return ans


arr = [0, 1, 0, 2, 0, 1, 0]
print(LongestSubarrayWithEqualZeroAndOneAndTwo(arr))
```