

1. Closest Resturant

<https://oss.1point3acres.cn/forum/202208/07/111047itn277awnn7xawx0.jpeg!c>

<https://oss.1point3acres.cn/forum/202208/07/111050hq4344gllcvqd7p9.jpeg!c>

Leetcode 973

2. Popular combo list

<https://oss.1point3acres.cn/forum/202208/07/111051tqaawlstm31az3xz.jpeg!c>

<https://oss.1point3acres.cn/forum/202208/07/111053f1eejngvc1htdckd.jpeg!c>

<https://leetcode.com/discuss/interview-question/2098995/Amazon-or-OA-or-SDE1-or-find-K-most-popular-combo>

<https://leetcode.com/discuss/interview-question/1895396/Amazon-SDE-New-Grad-or-OA-or-k-most-popular-combos>

3. Amazon Geek linkedlist

<https://oss.1point3acres.cn/forum/202208/08/114509nzkk3dcgogg1k9qa.jpeg>

<https://oss.1point3acres.cn/forum/202208/08/114510ppvrw1gnamgz7wmd.jpeg>

<https://oss.1point3acres.cn/forum/202208/08/114511ok02k90mm07v2n50.jpeg>

<https://www.1point3acres.com/bbs/thread-917945-1-1.html>

4. Amazon parcels maximum of middle box

<https://oss.1point3acres.cn/forum/202208/08/114512wq12i83l506baiap.jpeg>

<https://oss.1point3acres.cn/forum/202208/08/114513aeszye3v8vvxemfq.jpeg>

<https://oss.1point3acres.cn/forum/202208/08/114514xw6rhzzmx339z0f9.jpeg>

<https://www.1point3acres.com/bbs/thread-917945-1-1.html>

自己写得，不确保对

```
def findMaximumMiddleBox(capacities):
    res = -1
    seen = []
    hasFactor = set()
    capacities.sort()
    seen.append(capacities[0])
    for i in range(1, len(capacities)):
        num = capacities[i]
        seen.append(num)
        for x in list(reversed(seen[:-1])):
            if num % x == 0:
                hasFactor.add(num)
                if i >= 2 and x in hasFactor:
                    res = max(res, x)
                    break
    return res

print(findMaximumMiddleBox([1,2, 6, 4, 107, 109, 1024]))
print(findMaximumMiddleBox([2,1,2]))
print(findMaximumMiddleBox([1, 5, 3]))
```

5 LC 2281 Sum of Total Strength of Wizards

6 k-consistency score

<https://oss.1point3acres.cn/forum/202208/05/133038m44qzmvgccdcpcvw.jpeg>

<https://oss.1point3acres.cn/forum/202208/05/133040irccdcdleedzd zr.jpeg>

<https://oss.1point3acres.cn/forum/202208/05/133042bh8dh9wyfxb5dh hp.jpeg>

<https://oss.1point3acres.cn/forum/202208/05/133044wgigenold8gy6zqa.jpeg>

类似 lc 424

<https://leetcode.com/problems/longest-repeating-character-replacement/>

7. max frequency

给一个String, 找整个string的maxima frequency maxima frequency是在目前index上的substring (0,i) 给目前最大freq occurrence的字母加一分, 结果要整个string 最大的maxima frequency. 例子详解: 比如说 abbcca idx = 0, frequency最大的是a, maxima freq of a= 1, idx = 1 最大的frequency是a和b, maxima freq of a = 2, b = 1 idx = 2 最大的frequency是b, maxima freq of b = 2 idx = 3 最大的frequency是b, maxima freq of b = 3 idx = 4 最大的frequency是b和c, maxima freq of b = 4, maxima freq of c = 1 idx = 5 最大的frequency是a, b和c, maxima freq of a = 3, maxima freq of b = 5, maxima freq of c = 2 最后的map是 {a: 3, b: 5, c: 2} 所以最后是return 5

原贴: <https://www.1point3acres.com/bbs/thread-917933-1-1.html>

8. 找前k个最小的pair

<https://oss.1point3acres.cn/forum/202208/09/165222is5k6peeik10insq.jpeg>

这题可以参照 Lc 719 美区的官方解答, 我们的解法在下面

notion://www.notion.so/image/https%3A%2F%2Fs3-us-west-2.amazonaws.com%2Fsecure.notion-static.com%2Ffe2ea8a32-01e2-4fb3-b7e5-926bd49d0226%2FUntitled.png?table=block&id=aec1b953-b5ba-41a5-b763-f9dc00517337&spaceId=bc7f1656-83ac-4185-b838-269d82717be0&width=2000&userId=b51be13e-efd7-468b-87bb-ebc2a7719f04&cache=v2