

# 贪心算法总结

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## 贪心理论基础

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- 贪心思路往往很巧妙，但不容易想到
- 概括为：局部最优=>全局最优
- 贪心算法没有固定的套路和框架，需要多练习才能掌握
- 如果找出局部最优并且可以推出全局最优，那么就算是贪心
- 如果局部最优都找不出来，就不是贪心，可能就是单纯的模拟
- 贪心思路没必要数学证明

## 贪心简单题

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- 455-分发饼干<https://leetcode-cn.com/problems/assign-cookies/>
- K次取反后最大化的数组和<https://leetcode-cn.com/problems/maximize-sum-of-array-after-k-negations/>
- 柠檬水找零<https://leetcode-cn.com/problems/lemonade-change/>

## 中等题

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- 摆动序列<https://leetcode-cn.com/problems/wiggle-subsequence/>
- 单调递增的数字<https://leetcode-cn.com/problems/monotone-increasing-digits/>

## 股票相关

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- 买卖股票的最佳时机<https://leetcode-cn.com/problems/best-time-to-buy-and-sell-stock-ii/>
- 买卖股票的最佳时机含手续费<https://leetcode-cn.com/problems/best-time-to-buy-and-sell-stock-with-transaction-fee/>

## 二维度权衡

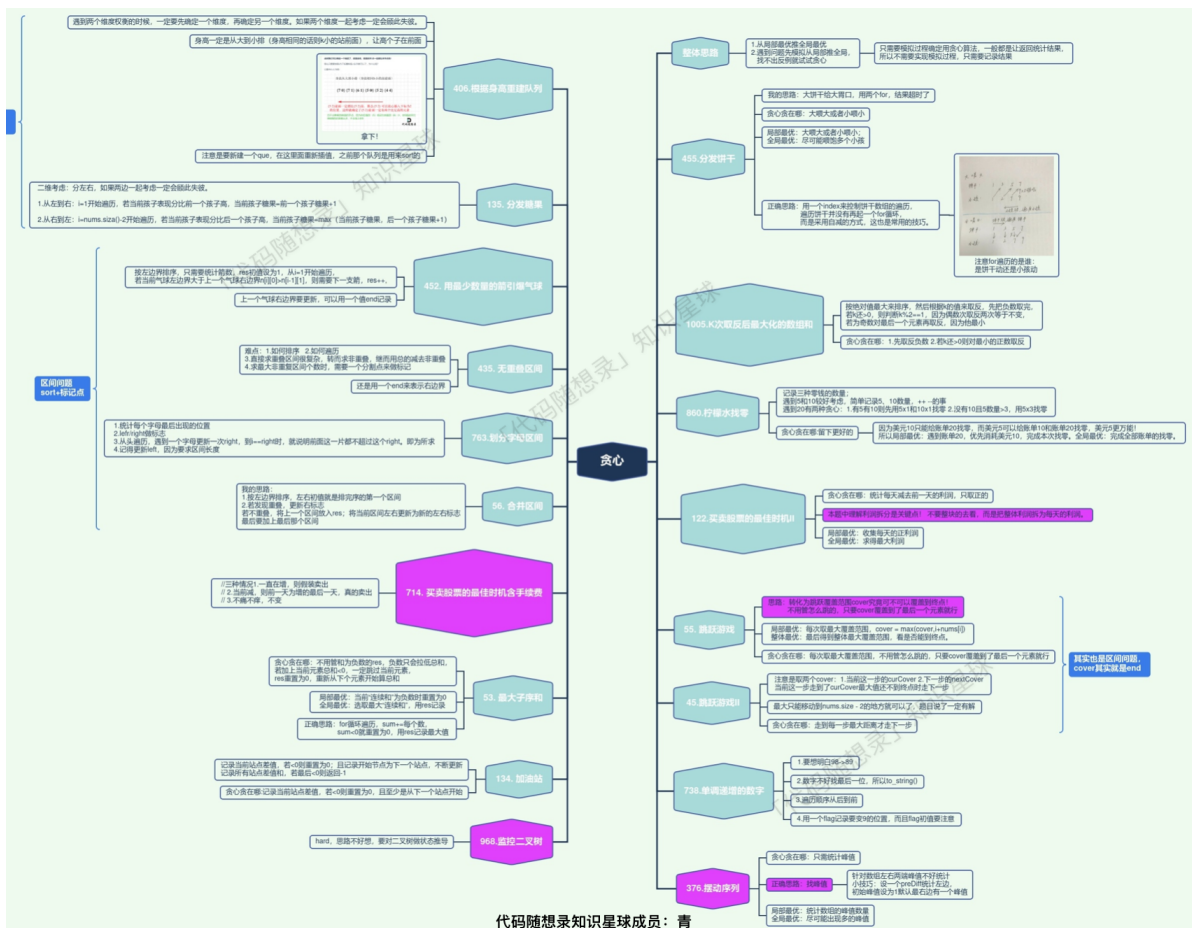
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- 分发糖果<https://leetcode-cn.com/problems/candy/>
- 根据身高重建队列<https://leetcode-cn.com/problems/queue-reconstruction-by-height/>

## 总结

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借用一张图 来自carl老师



代码随想录知识星球成员：青