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# Leetcode 分类顺序表第二版(增加

## 点250题)



## 1. 前言

:书是根据我个人的理解,对Leetcode(https://leetcode.com/) 这个网站中的算法题目重新进 17 万类划分,并以**先易后难**的顺序重新进行排序。旨在为大家节省时间,可以更好更有效率的做

### 1.1.1. 背景

在如今的计算机行业领域,无论是在校学生参加计算机算法编程竞赛ACM,还是对于求职找工作 的毕业生,甚至在职跳槽的计算机从业工作者,都逃不开"刷题"这座大山。尤其是在北美, Google, Facebook, Microsoft, Amazon 等等大公司, 无一不考刷题, 以算法面试为主。而无论 是北美留学生,还是工作几年的上班族,想进大公司,唯一的出路就是刷题。同样,在国内,也已 经逐渐向北美靠近,很多大公司也在招人面试中加入算法面试。而Leetcode这个算法题目网站, 已经是目前为止最贴近大公司算法面试题目的网站。全世界的学生,在职人员,都以Leetcode为 主,无论每个人的初衷是什么,我们都要在此挑战一件事——刷题!

### 1.1.2. 关于我

我自己在16年初来到美国,本科是Software Engineering,研究生是Computer Science。在北美 留学两年时间里,除了上课可以说刷题这件事陪伴了我整个两年多的留学生涯。16年秋季找实习 17年秋季找全职,从15年前辈那里知道了CS专业的当年形式一片大好,到自己亲历16年的急转直 下: 各大公司提前招满,有的甚至12月不到就已经停止招人,17年更是每况愈下。但即使形式再 差,CS也依旧算是北美第一专业。

所以整个北美对于刷题一事,是人人逃不过的大山,但现在来说,刷题最重要的资源Leetcode网 站,并没有一个非常好的分类顺序。Leetcode本身的分类做的的确不错,但对于题目的顺序并没 有给出,而且有的分类并不是非常好。所以我根据我自己的刷题经验总结,对Leetcode这个网站 的题目重新进行分类划分,并按照先易后难的顺序,针对每个分类下面,进行排序。旨在让从来没 有刷过题的人,可以有一个系统性的参考。

我个人本身两年来刷题3000多,对Leetcode中大多数题目可以说了如指掌,并且把Leetcode 800 道题每道题,进行一题多解+最优解,思路解法步骤,时间空间复杂度的讲解,录成视频(现以 更新完前400道)。我自己创业,现已经有了自己的团队,也有各种 Google Facebook 等诸多大 公司的人员加入。也曾有像是Leetcode的员工,在我的公众号问我是否想加入Leetcode团队。所 以我想通过我自己对于题目的理解,通过我们的努力,给大家提供一个刷Leetcode的解决方案。

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# 1. Leetcode 分类顺序表第二版(增加重点250题) **1.1.3.** 致所有本书使用者

以先易后难+分类而成。如果是第一次刷题的小伙伴,最好以本书的顺序为主,可以减少很 题的负担。对于类别的先后顺序我并没有给,这个我自己正在总结。因为现阶段我自己开算法 课为一部分人讲解北美算法基础+面试,也在自己做这个对于分类的顺序,所以会在第二版 或者第三版出这个顺序。现在的这个顺序是包括了Leetcode前400题(除去16到SQL题目)。

很多小伙伴问我刷400道够不够的问题,我的回答是完全够的,只要能每一道题理解到位, 图已经足以应付公司面试题。Leetcode在16年末也仅仅只有400题,800是近一年才涨出来 做完400道基本就需要3个月的时间了,慢一点4个月也是有可能的。所以我建议大家不要多 精刷+总结更重要。

#### .4. 网站

·有小伙伴想看我录的前400道题目的解法视频,请到Cspiration(https://cspiration.com/)购 看,我还会持续更新把后400题更新完毕,并会出更多的课程帮助大家。

### .5. 北美刷题找工实习微信群

......你是一个人刷题想认识更多来自五湖四海的小伙伴,我们有免费的微信群可以加入,旨在让 <sup>午</sup> 人不是孤军奋战,同胞间相互帮助分享资源,为大家排忧解难。当然,如果你对刷题或者找工 么疑问, 出现瓶颈, 可以咨询我, 如果我能帮到的我都会尽量给解答。

个人微信号: cspiration (加我拉你入群~)

微信公众号: cspiration (没错,和个人微信一样的~)

本书完全是由我个人编写而成,所以文中所有讲解,分类等,我尽量以客观公正的态度写。而且 这个版本我会不断更新,局部很多会在以后有改动,请大家敬请期待。如有意见和建议,请微信或 者邮箱联系我: admin@cspiration.com

2018.6.19

Edward Shi

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## 1 2. Leetcode 题目视频讲解

题目进行视频讲解,刷题速度至少提升2-3倍。最优解 + - 题多解 + Test Case + 时间 / 空间度 https://cspiration.com/course/leetcodeVideo

## 3. Leetcode 分类顺序

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基础		
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219	Contains Duplicate II	很少考
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55	Jump Game	
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1. Leetcode 分类顺序表第二版(增加重点2<sup>50)</sup>**1.3.4. Tree** 

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    - 1.3.8. Binary Search
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    - 1.3.10. DFS & BFS
    - 1.3.11. Stack & PriorityQueue
    - 1.3.12. Bit Manipulation
    - 1.3.13. Topological Sort
    - 1.3.14. Random
    - 1.3.15. Graph
    - 1.3.16. Union FInd
    - 1.3.17. Trie
    - 1.3.18. Design
  - 1.4. Leetcode 前 400 重点 250 题
    - 1.4.1. 划分说明
    - 1.4.2. 重点题目
  - 1.5. 参考网站
  - 1.6. 微信公众号: cspiration
  - 1.7. 个人微信号: cspiration

:	础	
	6	Reverse Linked List
14	1	Linked List Cycle
24		Swap Nodes in Pairs
	8	Odd Even Linked List
		Reverse Linked List II
	7	Delete Node in a Linked List
		Remove Nth Node From End of List
		Remove Duplicates from Sorted List
	3	Remove Linked List Elements
		Remove Duplicates from Sorted List II
	9	Plus One Linked List
		Add Two Numbers
	0	Intersection of Two Linked Lists
21		Merge Two Sorted Lists
	高	
23	4	Palindrome Linked List
14	3	Reorder List
14	2	Linked List Cycle II
14	8	Sort List
25		Reverse Nodes in k-Group
61		Rotate List
86		Partition List
23		Merge k Sorted Lists
14	7	Insertion Sort List

- 1. Leetcode 分类顺序表第二版(增加重点2<sup>50)</sup>**1.3.8. Binary Search** 
  - - 1.1.1. 背景
    - 1.1.2. 关于我
    - 1.1.3. 致所有本书使用者
    - 1.1.4. 网站
    - 1.1.5. 北美刷题找工实习微信群
  - 1.2. Leetcode 题目视频讲解
  - 1.3. Leetcode 分类顺序
    - 1.3.1. Array
    - 1.3.2. String
    - 1.3.3. Math
    - 1.3.4. Tree
    - 1.3.5. Backtracking
    - 1.3.6. Dynamic Programming
    - 1.3.7. LinkedList
    - 1.3.8. Binary Search
    - 1.3.9. Matrix
    - 1.3.10. DFS & BFS
    - 1.3.11. Stack & PriorityQueue
    - 1.3.12. Bit Manipulation
    - 1.3.13. Topological Sort
    - 1.3.14. Random
    - 1.3.15. Graph
    - 1.3.16. Union FInd
    - 1.3.17. Trie
    - 1.3.18. Design
  - 1.4. Leetcode 前 400 重点 250 题

0

254

- 1.4.1. 划分说明
- 1.4.2. 重点题目
- 1.5. 参考网站
- 1.6. 微信公众号: cspiration
- 1.7. 个人微信号: cspiration

础		
8	First Bad Version	
35	Search Insert Position	
၁၁	Search in Rotated Sorted Array	
	Search in Rotated Sorted Array II	
3	Find Minimum in Rotated Sorted Array	
4	Find Minimum in Rotated Sorted Array II	
2	Find Peak Element	
4	Guess Number Higher or Lower	
	Search for a Range	
9	Intersection of Two Arrays	
0	Intersection of Two Arrays II	
5	Count of Smaller Numbers After Self	

Longest Increasing Subsequence

Russian Doll Envelopes

- 1. Leetcode 分类顺序表第二版(增加重点250题) **1.3.9. Matrix** 
  - 1.1. 前言
    - 1.1.1. 背景
    - 1.1.2. 关于我 1.1.3. 致所有本书使用者
    - 1.1.4. 网站
    - 1.1.5. 北美刷题找工实习微信群
  - 1.2. Leetcode 题目视频讲解
  - 1.3. Leetcode 分类顺序
    - 1.3.1. Array
    - 1.3.2. String
    - 1.3.3. Math
    - 1.3.4. Tree
    - 1.3.5. Backtracking
    - 1.3.6. Dynamic Programming
    - 1.3.7. LinkedList
    - 1.3.8. Binary Search
    - 1.3.9. Matrix
    - 1.3.10. DFS & BFS
    - 1.3.11. Stack & PriorityQueue
    - 1.3.12. Bit Manipulation
    - 1.3.13. Topological Sort
    - 1.3.14. Random
    - 1.3.15. Graph
    - 1.3.16. Union FInd
    - 1.3.17. Trie
    - 1.3.18. Design
  - 1.4. Leetcode 前 400 重点 250 题
    - 1.4.1. 划分说明
    - 1.4.2. 重点题目
  - 1.5. 参考网站
  - 1.6. 微信公众号: cspiration
  - 1.7. 个人微信号: cspiration

3	Rotate Image		
	Spiral Matrix		
 59	Spiral Matrix II		
72	Set Matrix Zeroes		
1	Sparse Matrix Multiplication		
9	Longest Increasing Path in a Matrix		
8	Kth Smallest Element in a Sorted Matrix		
	Search a 2D Matrix		
0	Search a 2D Matrix II		
0	Range Addition		
	Word Search		
6	Best Meeting Point		
1	Bomb Enemy		
7	Shortest Distance from All Buildings		
วก2	Smallest Rectangle Enclosing Black Pixels		
	Valid Sudoku		
37	Sudoku Solver		

- 1. Leetcode 分类顺序表第二版(增加重点2<sup>50)</sup>**1.3.10. DFS & BFS** 
  - 1.1. 前言
    - 1.1.1. 背景
    - 1.1.2. 关于我
    - 1.1.3. 致所有本书使用者
    - 1.1.4. 网站
    - 1.1.5. 北美刷题找工实习微信群
  - 1.2. Leetcode 题目视频讲解
  - 1.3. Leetcode 分类顺序
    - 1.3.1. Array
    - 1.3.2. String
    - 1.3.3. Math
    - 1.3.4. Tree
    - 1.3.5. Backtracking
    - 1.3.6. Dynamic Programming
    - 1.3.7. LinkedList
    - 1.3.8. Binary Search
    - 1.3.9. Matrix
    - 1.3.10. DFS & BFS
    - 1.3.11. Stack & PriorityQueue
    - 1.3.12. Bit Manipulation
    - 1.3.13. Topological Sort
    - 1.3.14. Random
    - 1.3.15. Graph
    - 1.3.16. Union FInd
    - 1.3.17. Trie
    - 1.3.18. Design
  - 1.4. Leetcode 前 400 重点 250 题
    - 1.4.1. 划分说明
    - 1.4.2. 重点题目
  - 1.5. 参考网站
  - 1.6. 微信公众号: cspiration
  - 1.7. 个人微信号: cspiration

础		
0	Number of Islands	
286	Walls and Gates	
120	Surrounded Regions	
9	Nested List Weight Sum	
4	Nested List Weight Sum II	
7	Word Ladder	
	N-Queens	
	N-Queens II	
6	Word Ladder II	

- 1. Leetcode 分类顺序表第二版(增加重点2<sup>50)</sup>1.3.11. Stack & PriorityQueue

  - 1.1.1. 背景
  - 1.1.2. 关于我 1.1.3. 致所有本书使用者
  - 1.1.4. 网站
  - 1.1.5. 北美刷题找工实习微信群
  - 1.2. Leetcode 题目视频讲解
  - 1.3. Leetcode 分类顺序
    - 1.3.1. Array
    - 1.3.2. String

    - 1.3.3. Math 1.3.4. Tree
    - 1.3.5. Backtracking
    - 1.3.6. Dynamic Programming
    - 1.3.7. LinkedList
    - 1.3.8. Binary Search
    - 1.3.9. Matrix
    - 1.3.10. DFS & BFS
    - 1.3.11. Stack & PriorityQueue
    - 1.3.12. Bit Manipulation
    - 1.3.13. Topological Sort
    - 1.3.14. Random
    - 1.3.15. Graph
    - 1.3.16. Union FInd
    - 1.3.17. Trie
    - 1.3.18. Design
  - 1.4. Leetcode 前 400 重点 250 题
    - 1.4.1. 划分说明
    - 1.4.2. 重点题目
  - 1.5. 参考网站
  - 1.6. 微信公众号: cspiration
  - 1.7. 个人微信号: cspiration

Stack 5 Min Stack 232 Implement Queue using Stacks 275 Implement Stack using Queues 0 Evaluate Reverse Polish Notation Simplify Path 8 Longest Absolute File Path 4 Decode String 4 Basic Calculator 7 Basic Calculator II 5 Mini Parser Largest Rectangle in Histogram  orityQueue 2.15 Kth Largest Element in an Array 7 Top K Frequent Elements 313 Super Ugly Number 很少考 373 Find K Pairs with Smallest Sums 很少考 218 The Skyline Problem 332 Reconstruct Itinerary 341 Flatten Nested List Iterator				
Implement Queue using Stacks  Implement Stack using Queues  Evaluate Reverse Polish Notation  Simplify Path  Longest Absolute File Path  Decode String  Basic Calculator  Basic Calculator II  Mini Parser  Largest Rectangle in Histogram  orityQueue  Kth Largest Element in an Array  Top K Frequent Elements  Super Ugly Number  Wy  The Skyline Problem  Reconstruct Itinerary		Stack		
Implement Stack using Queues  0 Evaluate Reverse Polish Notation Simplify Path  8 Longest Absolute File Path 4 Decode String 4 Basic Calculator 7 Basic Calculator II 5 Mini Parser Largest Rectangle in Histogram  orityQueue  15 Kth Largest Element in an Array 7 Top K Frequent Elements 313 Super Ugly Number 很少考 373 Find K Pairs with Smallest Sums 很少考 218 The Skyline Problem 332 Reconstruct Itinerary		5	Min Stack	
0 Evaluate Reverse Polish Notation Simplify Path 8 Longest Absolute File Path 4 Decode String 4 Basic Calculator 7 Basic Calculator II 5 Mini Parser Largest Rectangle in Histogram iorityQueue 2.15 Kth Largest Element in an Array 7 Top K Frequent Elements 313 Super Ugly Number 很少考 373 Find K Pairs with Smallest Sums 很少考 218 The Skyline Problem 332 Reconstruct Itinerary	23	32	Implement Queue using Stacks	
Simplify Path  Longest Absolute File Path  Decode String  Basic Calculator  Basic Calculator II  Mini Parser Largest Rectangle in Histogram  iorityQueue  It Top K Frequent Elements  Super Ugly Number  Top K Pairs with Smallest Sums  R少考  The Skyline Problem  Reconstruct Itinerary	20	25	Implement Stack using Queues	
8 Longest Absolute File Path 4 Decode String 4 Basic Calculator 7 Basic Calculator II 5 Mini Parser Largest Rectangle in Histogram iorityQueue 2.15 Kth Largest Element in an Array 7 Top K Frequent Elements 313 Super Ugly Number 很少考 373 Find K Pairs with Smallest Sums 很少考 218 The Skyline Problem 332 Reconstruct Itinerary		0	Evaluate Reverse Polish Notation	
4 Decode String 4 Basic Calculator 7 Basic Calculator II 5 Mini Parser Largest Rectangle in Histogram iorityQueue 2.15 Kth Largest Element in an Array 7 Top K Frequent Elements 313 Super Ugly Number 很少考 373 Find K Pairs with Smallest Sums 很少考 218 The Skyline Problem 332 Reconstruct Itinerary			Simplify Path	
4 Basic Calculator 7 Basic Calculator II 5 Mini Parser Largest Rectangle in Histogram iorityQueue 2.15 Kth Largest Element in an Array 7 Top K Frequent Elements 313 Super Ugly Number 很少考 373 Find K Pairs with Smallest Sums 很少考 218 The Skyline Problem 332 Reconstruct Itinerary		8	Longest Absolute File Path	
7 Basic Calculator II 5 Mini Parser Largest Rectangle in Histogram iorityQueue  2.5 Kth Largest Element in an Array 7 Top K Frequent Elements 313 Super Ugly Number 很少考 373 Find K Pairs with Smallest Sums 很少考 218 The Skyline Problem 332 Reconstruct Itinerary		4	Decode String	
5 Mini Parser Largest Rectangle in Histogram iorityQueue  2.5 Kth Largest Element in an Array 7 Top K Frequent Elements 313 Super Ugly Number 很少考 373 Find K Pairs with Smallest Sums 很少考 218 The Skyline Problem 332 Reconstruct Itinerary		4	Basic Calculator	
Largest Rectangle in Histogram iorityQueue  7 Kth Largest Element in an Array 7 Top K Frequent Elements 313 Super Ugly Number 很少考 373 Find K Pairs with Smallest Sums 很少考 218 The Skyline Problem 332 Reconstruct Itinerary		7	Basic Calculator II	
iorityQueue  7 Kth Largest Element in an Array 7 Top K Frequent Elements 313 Super Ugly Number 很少考 373 Find K Pairs with Smallest Sums 很少考 218 The Skyline Problem 332 Reconstruct Itinerary		5	Mini Parser	
7 Top K Frequent Elements 313 Super Ugly Number 很少考 373 Find K Pairs with Smallest Sums 很少考 218 The Skyline Problem 332 Reconstruct Itinerary			Largest Rectangle in Histogram	
7 Top K Frequent Elements 313 Super Ugly Number 很少考 373 Find K Pairs with Smallest Sums 很少考 218 The Skyline Problem 332 Reconstruct Itinerary		orityQueue		
313 Super Ugly Number 很少考 373 Find K Pairs with Smallest Sums 很少考 218 The Skyline Problem 332 Reconstruct Itinerary	۱ ک	5	Kth Largest Element in an Array	
373 Find K Pairs with Smallest Sums 很少考 218 The Skyline Problem 332 Reconstruct Itinerary		7	Top K Frequent Elements	
218 The Skyline Problem 332 Reconstruct Itinerary	31	3	Super Ugly Number	很少考
332 Reconstruct Itinerary	37	'3	Find K Pairs with Smallest Sums	很少考
1.000.00.00.00.00.00.00.00.00.00.00.00.0	21	8	The Skyline Problem	
341 Flatten Nested List Iterator	33	32	Reconstruct Itinerary	
	34	11	Flatten Nested List Iterator	

- 1. Leetcode 分类顺序表第二版(增加重点2<sup>50)</sup>**1.3.12. Bit Manipulation** 
  - 1.1. 前言
    - 1.1.1. 背景
    - 1.1.2. 关于我
    - 1.1.3. 致所有本书使用者
    - 1.1.4. 网站
    - 1.1.5. 北美刷题找工实习微信群
  - 1.2. Leetcode 题目视频讲解
  - 1.3. Leetcode 分类顺序
    - 1.3.1. Array
    - 1.3.2. String
    - 1.3.3. Math
    - 1.3.4. Tree
    - 1.3.5. Backtracking
    - 1.3.6. Dynamic Programming
    - 1.3.7. LinkedList
    - 1.3.8. Binary Search
    - 1.3.9. Matrix
    - 1.3.10. DFS & BFS
    - 1.3.11. Stack & PriorityQueue
    - 1.3.12. Bit Manipulation
    - 1.3.13. Topological Sort
    - 1.3.14. Random
    - 1.3.15. Graph
    - 1.3.16. Union FInd
    - 1.3.17. Trie
    - 1.3.18. Design
  - 1.4. Leetcode 前 400 重点 250 题
    - 1.4.1. 划分说明
    - 1.4.2. 重点题目
  - 1.5. 参考网站
  - 1.6. 微信公众号: cspiration
  - 1.7. 个人微信号: cspiration

		-
	ţ础	
	9	Find the Difference
13	36	Single Number
2	18	Maximum Product of Word Lengths
	 少考	
	3	UTF-8 Validation
	1	Bitwise AND of Numbers Range
	1	Sum of Two Integers
	8	Counting Bits
		Gray Code
	8	Missing Number
	1	Number of 1 Bits
	0	Reverse Bits
ıs	7	Single Number II
	0	Single Number III

- 1. Leetcode 分类顺序表第二版(增加重点2<sup>50题)</sup>1.3.13. Topological Sort

  - 1.1.1. 背景
  - 1.1.2. 关于我
  - 1.1.3. 致所有本书使用者
  - 1.1.4. 网站
  - 1.1.5. 北美刷题找工实习微信群
  - 1.2. Leetcode 题目视频讲解
  - 1.3. Leetcode 分类顺序
    - 1.3.1. Array
    - 1.3.2. String
    - 1.3.3. Math
    - 1.3.4. Tree
    - 1.3.5. Backtracking
    - 1.3.6. Dynamic Programming
    - 1.3.7. LinkedList
    - 1.3.8. Binary Search
    - 1.3.9. Matrix
    - 1.3.10. DFS & BFS
    - 1.3.11. Stack & PriorityQueue
    - 1.3.12. Bit Manipulation
    - 1.3.13. Topological Sort
    - 1.3.14. Random
    - 1.3.15. Graph
    - 1.3.16. Union FInd
    - 1.3.17. Trie
    - 1.3.18. Design
  - 1.4. Leetcode 前 400 重点 250 题
    - 1.4.1. 划分说明
    - 1.4.2. 重点题目
  - 1.5. 参考网站
  - 1.6. 微信公众号: cspiration
  - 1.7. 个人微信号: cspiration

础	
7	Course Schedule
210	Course Schedule II
oe9	Alien Dictionary

- 1. Leetcode 分类顺序表第二版(增加重点2<sup>50)</sup>**1.3.14. Random** 
  - 1.1. 前言
    - 1.1.1. 背景
    - 1.1.2. 关于我
    - 1.1.3. 致所有本书使用者
    - 1.1.4. 网站
    - 1.1.5. 北美刷题找工实习微信群
  - 1.2. Leetcode 题目视频讲解
  - 1.3. Leetcode 分类顺序
    - 1.3.1. Array
    - 1.3.2. String
    - 1.3.3. Math
    - 1.3.4. Tree
    - 1.3.5. Backtracking
    - 1.3.6. Dynamic Programming
    - 1.3.7. LinkedList
    - 1.3.8. Binary Search
    - 1.3.9. Matrix
    - 1.3.10. DFS & BFS
    - 1.3.11. Stack & PriorityQueue
    - 1.3.12. Bit Manipulation
    - 1.3.13. Topological Sort
    - 1.3.14. Random
    - 1.3.15. Graph
    - 1.3.16. Union FInd
    - 1.3.17. Trie
    - 1.3.18. Design
  - 1.4. Leetcode 前 400 重点 250 题
    - 1.4.1. 划分说明
    - 1.4.2. 重点题目
  - 1.5. 参考网站
  - 1.6. 微信公众号: cspiration
  - 1.7. 个人微信号: cspiration

础		
板	Reservoir Sampling	
384	Shuffle an Array	
208	Random Pick Index	
2	Linked List Random Node	
0	Insert Delete GetRandom O(1)	
1	Insert Delete GetRandom O(1) - Duplicates allowed	
8	Copy List with Random Pointer	

- 1. Leetcode 分类顺序表第二版(增加重点2<sup>50)</sup>**1.3.15. Graph** 
  - 1.1. 前言
    - 1.1.1. 背景
    - 1.1.2. 关于我
    - 1.1.3. 致所有本书使用者
    - 1.1.4. 网站
    - 1.1.5. 北美刷题找工实习微信群
  - 1.2. Leetcode 题目视频讲解
  - 1.3. Leetcode 分类顺序
    - 1.3.1. Array
    - 1.3.2. String
    - 1.3.3. Math
    - 1.3.4. Tree
    - 1.3.5. Backtracking
    - 1.3.6. Dynamic Programming
    - 1.3.7. LinkedList
    - 1.3.8. Binary Search
    - 1.3.9. Matrix
    - 1.3.10. DFS & BFS
    - 1.3.11. Stack & PriorityQueue
    - 1.3.12. Bit Manipulation
    - 1.3.13. Topological Sort
    - 1.3.14. Random
    - 1.3.15. Graph
    - 1.3.16. Union FInd
    - 1.3.17. Trie
    - 1.3.18. Design
  - 1.4. Leetcode 前 400 重点 250 题
    - 1.4.1. 划分说明
    - 1.4.2. 重点题目
  - 1.5. 参考网站
  - 1.6. 微信公众号: cspiration
  - 1.7. 个人微信号: cspiration

Clone Graph	
Evaluate Division	
Minimum Height Trees	
£	
Self Crossing	很少考
Max Points on a Line	
Line Reflection	很少考
Perfect Rectangle	很少考
Rectangle Area	很少考
	Evaluate Division  Minimum Height Trees  Self Crossing  Max Points on a Line  Line Reflection  Perfect Rectangle

- 1. Leetcode 分类顺序表第二版(增加重点2<sup>50)</sup>**1.3.16. Union Find** 
  - 1.1. 前言
    - 1.1.1. 背景
    - 1.1.2. 关于我 1.1.3. 致所有本书使用者
    - 1.1.4. 网站
    - 1.1.5. 北美刷题找工实习微信群
  - 1.2. Leetcode 题目视频讲解
  - 1.3. Leetcode 分类顺序
    - 1.3.1. Array
    - 1.3.2. String
    - 1.3.3. Math
    - 1.3.4. Tree
    - 1.3.5. Backtracking
    - 1.3.6. Dynamic Programming
    - 1.3.7. LinkedList
    - 1.3.8. Binary Search
    - 1.3.9. Matrix
    - 1.3.10. DFS & BFS
    - 1.3.11. Stack & PriorityQueue
    - 1.3.12. Bit Manipulation
    - 1.3.13. Topological Sort
    - 1.3.14. Random
    - 1.3.15. Graph
    - 1.3.16. Union FInd
    - 1.3.17. Trie
    - 1.3.18. Design
  - 1.4. Leetcode 前 400 重点 250 题
    - 1.4.1. 划分说明
    - 1.4.2. 重点题目
  - 1.5. 参考网站
  - 1.6. 微信公众号: cspiration
  - 1.7. 个人微信号: cspiration

础	
1	Graph Valid Tree
323	Number of Connected Components in an Undirected Graph
205	Number of Islands II

- 1. Leetcode 分类顺序表第二版(增加重点2<sup>50)</sup>**1.3.17. Trie** 
  - 1.1. 前言
    - 1.1.1. 背景
    - 1.1.2. 关于我
    - 1.1.3. 致所有本书使用者
    - 1.1.4. 网站
    - 1.1.5. 北美刷题找工实习微信群
  - 1.2. Leetcode 题目视频讲解
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    - 1.3.2. String
    - 1.3.3. Math
    - 1.3.4. Tree
    - 1.3.5. Backtracking
    - 1.3.6. Dynamic Programming
    - 1.3.7. LinkedList
    - 1.3.8. Binary Search
    - 1.3.9. Matrix
    - 1.3.10. DFS & BFS
    - 1.3.11. Stack & PriorityQueue
    - 1.3.12. Bit Manipulation
    - 1.3.13. Topological Sort
    - 1.3.14. Random
    - 1.3.15. Graph
    - 1.3.16. Union FInd
    - 1.3.17. Trie
    - 1.3.18. Design
  - 1.4. Leetcode 前 400 重点 250 题
    - 1.4.1. 划分说明
    - 1.4.2. 重点题目
  - 1.5. 参考网站
  - 1.6. 微信公众号: cspiration
  - 1.7. 个人微信号: cspiration

础	
1	Add and Search Word - Data structure design
208	Implement Trie (Prefix Tree)
212	Word Search II

- 1. Leetcode 分类顺序表第二版(增加重点250题) **1.3.18. Design** 
  - 1.1. 前言
    - 1.1.1. 背景
    - 1.1.2. 关于我 1.1.3. 致所有本书使用者
    - 1.1.4. 网站
    - 1.1.5. 北美刷题找工实习微信群
  - 1.2. Leetcode 题目视频讲解
  - 1.3. Leetcode 分类顺序
    - 1.3.1. Array
    - 1.3.2. String
    - 1.3.3. Math
    - 1.3.4. Tree
    - 1.3.5. Backtracking
    - 1.3.6. Dynamic Programming
    - 1.3.7. LinkedList
    - 1.3.8. Binary Search
    - 1.3.9. Matrix
    - 1.3.10. DFS & BFS
    - 1.3.11. Stack & PriorityQueue
    - 1.3.12. Bit Manipulation
    - 1.3.13. Topological Sort
    - 1.3.14. Random
    - 1.3.15. Graph
    - 1.3.16. Union FInd
    - 1.3.17. Trie
    - 1.3.18. Design
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    - 1.4.1. 划分说明
    - 1.4.2. 重点题目
  - 1.5. 参考网站
  - 1.6. 微信公众号: cspiration
  - 1.7. 个人微信号: cspiration

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9	Logger Rate Limiter	
346	Moving Average from Data Stream	Sliding Window
262	Design Hit Counter	
1	Zigzag Iterator	
4	Peeking Iterator	
1	Flatten 2D Vector	
8	Unique Word Abbreviation	
0	Two Sum III - Data structure design	
8	Design Tic-Tac-Toe	
9	Design Phone Directory	
3	Design Snake Game	
6	LRU Cache	
5	Design Twitter	
აივ	Range Sum Query - Immutable	
4	Range Sum Query 2D - Immutable	
307	Range Sum Query - Mutable	Binary Index Tree
308	Range Sum Query 2D - Mutable	Binary Index Tree

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    - 1.1.2. 关于我
    - 1.1.3. 致所有本书使用者
    - 1.1.4. 网站
    - 1.1.5. 北美刷题找工实习微信群
  - 1.2. Leetcode 题目视频讲解
  - 1.3. Leetcode 分类顺序
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    - 1.3.3. Math
    - 1.3.4. Tree
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  - 1.7. 个人微信号: cspiration

## 1 4. Leetcode 前 400 重点 250 题

## .1. 划分说明

这个重点题目是我个人把Leetcode前400题进行精简,精简方法如下:

删除不常考,面试低频出现题目

删除重复代码题目(例:链表反转206题,代码在234题出现过)

删除过于简单题目 (例: 100题: Same Tree)

删除题意不同,代码基本相同题目(例: 136 & 389,保留一个)

题目我尽量保证客观公正,只是按大概率删除不常考题目,很多题目面经出现过,但出现次数个位数或者只有一两家出现。所以如在面试中出现删除题目概不负责,这只是从概率上删除,简单题目。旨在减轻大家的刷题负担,从400题减少到250题。

人群:有一定刷题基础,算法基础,二刷人群。

: 400题全部刷完,再精刷这250题。

### 1.4.2. 重点题目

	Title	
1	Two Sum	
3	Longest Substring Without Repeating Characters	
4	Median of Two Sorted Arrays	
5	Longest Palindromic Substring	
7	Reverse Integer	
8	String to Integer (atoi)	
10	Regular Expression Matching	
11	Container With Most Water	
12	Integer to Roman	
13	Roman to Integer	
15	3Sum	
17	Letter Combinations of a Phone Number	
18	4Sum	
20	Valid Parentheses	
22	Generate Parentheses	
23	Merge k Sorted Lists	
26	Remove Duplicates from Sorted Array	
27	Remove Element	
28	Implement strStr()	
29	Divide Two Integers	
31	Next Permutation	
32	Longest Valid Parentheses	
33	Search in Rotated Sorted Array	
34	Search for a Range	
35	Search Insert Position	

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1.1.3. 致所有本书使用者	3	Count and Say
1.1.4. 网站 1.1.5. 北美刷题找工实习微信群	•	Combination Sum
1.2. Leetcode 题目视频讲解	40	Combination Sum II
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1.3.2. String 1.3.3. Math	2	Trapping Rain Water
1.3.4. Tree	3	Multiply Strings
1.3.5. Backtracking 1.3.6. Dynamic Programming	1	Wildcard Matching
1.3.7. LinkedList 1.3.8. Binary Search	5	
1.3.9. Matrix 1.3.10. DFS & BFS		Jump Game II  Permutations
1.3.11. Stack & PriorityQueue	3	
1.3.12. Bit Manipulation 1.3.13. Topological Sort		Permutations II
1.3.14. Random	}	Rotate Image
1.3.15. Graph 1.3.16. Union FInd	)	Group Anagrams
1.3.17. Trie 1.3.18. Design	)	Pow(x, n)
1.4. Leetcode 前 400 重点 250 题	51	N-Queens
1.4.1. 划分说明 1.4.2. 重点题目	2	N-Queens II
1.5. 参考网站 1.6. 微信公众号: cspiration	53	Maximum Subarray
1.7. 个人微信号: cspiration	54	Spiral Matrix
	55	Jump Game
	56	Merge Intervals
	57	Insert Interval
	59	Spiral Matrix II
	60	Permutation Sequence
	62	Unique Paths
	64	Minimum Path Sum
	65	Valid Number
	66	Plus One
	67	Add Binary
	68	Text Justification
	69	Sqrt(x)
	70	Climbing Stairs
	71	Simplify Path
	72	Edit Distance
	74	Search a 2D Matrix
	75	Sort Colors
	76	Minimum Window Substring
	77	Combinations
	78	Subsets
	79	Word Search
	80	Remove Duplicates from Sorted Array II
	81	Search in Rotated Sorted Array II
	O I	Coaron in Notated Corted Array II

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1.1.3. 致所有本书使用者	5	Maximal Rectangle
1.1.4. 网站 1.1.5. 北美刷题找工实习微信群	3	Merge Sorted Array
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1.3.1. Array		Decode Ways
1.3.2. String 1.3.3. Math	3	Unique Binary Search Trees
1.3.4. Tree 1.3.5. Backtracking	3	Validate Binary Search Tree
1.3.6. Dynamic Programming 1.3.7. LinkedList	1	Symmetric Tree
1.3.8. Binary Search	4	Maximum Depth of Binary Tree
1.3.9. Matrix 1.3.10. DFS & BFS	8	Convert Sorted Array to Binary Search Tree
1.3.11. Stack & PriorityQueue 1.3.12. Bit Manipulation	0	Balanced Binary Tree
1.3.13. Topological Sort 1.3.14. Random	1	Minimum Depth of Binary Tree
1.3.15. Graph	2	Path Sum
1.3.16. Union FInd 1.3.17. Trie	3	Path Sum II
1.3.18. Design 1.4. Leetcode 前 400 重点 250 题	115	Distinct Subsequences
1.4.1. 划分说明	6	Populating Next Right Pointers in Each Node
1.4.2. 重点题目 1.5. 参考网站	117	Populating Next Right Pointers in Each Node II
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	124	Binary Tree Maximum Path Sum
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	130	Surrounded Regions
	133	Clone Graph
	134	Gas Station
	138	Copy List with Random Pointer
	139	Word Break
	140	Word Break II
	142	Linked List Cycle II
	146	LRU Cache
	149	Max Points on a Line
	150	Evaluate Reverse Polish Notation
	152	Maximum Product Subarray
	153	Find Minimum in Rotated Sorted Array
	154	Find Minimum in Rotated Sorted Array II
	155	Min Stack
	157	Read N Characters Given Read4
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1.3.4. Tree 1.3.5. Backtracking	4	Dungeon Game
1.3.6. Dynamic Programming 1.3.7. LinkedList	8	Best Time to Buy and Sell Stock IV
1.3.8. Binary Search	9	Rotate Array
1.3.9. Matrix 1.3.10. DFS & BFS	1	Number of 1 Bits
1.3.11. Stack & PriorityQueue 1.3.12. Bit Manipulation	8	House Robber
1.3.13. Topological Sort	0	Number of Islands
1.3.14. Random 1.3.15. Graph	1	Bitwise AND of Numbers Range
1.3.16. Union FInd 1.3.17. Trie	2	Happy Number
1.3.18. Design	∠∪4	Count Primes
1.4. Leetcode 前 400 重点 250 题 1.4.1. 划分说明	5	Isomorphic Strings
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	210	Course Schedule II
	211	Add and Search Word - Data structure design
	212	Word Search II
	213	House Robber II
	214	Shortest Palindrome
	215	Kth Largest Element in an Array
	216	Combination Sum III
	217	Contains Duplicate
	218	The Skyline Problem
	219	Contains Duplicate II
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	221	Maximal Square
	224	Basic Calculator
	225	Implement Stack using Queues
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	230	Kth Smallest Element in a BST
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	235	Lowest Common Ancestor of a Binary Search Tree
	236	Lowest Common Ancestor of a Binary Tree

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1.1.3. 致所有本书使用者	0	Search a 2D Matrix II
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	270	Closest Binary Search Tree Value
	271	Encode and Decode Strings
	273	Integer to English Words
	274	H-Index
	275	H-Index II
	276	Paint Fence
	277	Find the Celebrity
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	280	Wiggle Sort
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	283	Move Zeroes
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	286	Walls and Gates
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	325	Maximum Size Subarray Sum Equals k
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	9	Design Phone Directory
	0	Insert Delete GetRandom O(1)
	1	Insert Delete GetRandom O(1) - Duplicates allowed
	4	Shuffle an Array
	5	Mini Parser
	9	Find the Difference
	4	Decode String
	8	Random Pick Index
1.3.18. Design		

## 5. 参考网站

https://leetcode.com/

# 1.6. 微信公众号: cspiration



# 1.7. 个人微信号: cspiration

1.4. Leetcode 前 400 重点 250 题

1.4.1. 划分说明

1.4.2. 重点题目 1.5. 参考网站

1.6. 微信公众号: cspiration

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