

# 2024 年 100 道必刷精选算法题典



本资料由九章算法独家倾情整理

获取更多干货，欢迎关注**九章算法**微信公众号



九章算法，专业的 IT 求职面试培训，团队成员均为硅谷和国内顶尖 IT 企业工程师。

目前开设课程有：[《九章算法班》](#)《系统设计》《九章算法基础班 Java+Python》《面试软技能指导》《九章算法高频题冲刺班》等。



大厂真题任意刷，欢迎关注  
**LintCode 炼码**微信公众号

全球名企面试真题汇总，剖析当前科技行业热点动向，算法与人工智能专业训练，LintCode 炼码助你斩获理想 Offer！

# 2024 年 100 道必刷精选

公司名称	难度	对应题号	链接
Meta	简单	13. 字符串查找	<a href="https://www.lintcode.com/problem/13/?utm_source=yy-libao-wxq">https://www.lintcode.com/problem/13/?utm_source=yy-libao-wxq</a>
		56. 两数之和	<a href="https://www.lintcode.com/problem/56/?utm_source=yy-libao-wxq">https://www.lintcode.com/problem/56/?utm_source=yy-libao-wxq</a>
		408. 二进制求和	<a href="https://www.lintcode.com/problem/408/?utm_source=yy-libao-wxq">https://www.lintcode.com/problem/408/?utm_source=yy-libao-wxq</a>
	中等	107. 单词拆分 I	<a href="https://www.lintcode.com/problem/107/?utm_source=yy-libao-wxq">https://www.lintcode.com/problem/107/?utm_source=yy-libao-wxq</a>
		149. 买卖股票的最佳时机	<a href="https://www.lintcode.com/problem/149/?utm_source=yy-libao-wxq">https://www.lintcode.com/problem/149/?utm_source=yy-libao-wxq</a>
	困难	450. K 组翻转链表	<a href="https://www.lintcode.com/problem/450/?utm_source=yy-libao-wxq">https://www.lintcode.com/problem/450/?utm_source=yy-libao-wxq</a>
		510 最大矩形	<a href="https://www.lintcode.com/problem/510/?utm_source=yy-libao-wxq">https://www.lintcode.com/problem/510/?utm_source=yy-libao-wxq</a>
		154. 正则表达式匹配	<a href="https://www.lintcode.com/problem/154/?utm_source=yy-libao-wxq">https://www.lintcode.com/problem/154/?utm_source=yy-libao-wxq</a>
微软	简单	1250. 第三大的数	<a href="https://www.lintcode.com/problem/1250/?utm_source=yy-libao-wxq">https://www.lintcode.com/problem/1250/?utm_source=yy-libao-wxq</a>
		1311. 二叉搜索树的最近公共祖先	<a href="https://www.lintcode.com/problem/1311/?utm_source=yy-libao-wxq">https://www.lintcode.com/problem/1311/?utm_source=yy-libao-wxq</a>
		702. 连接两个字符串中的不同字符	<a href="https://www.lintcode.com/problem/702/?utm_source=yy-libao-wxq">https://www.lintcode.com/problem/702/?utm_source=yy-libao-wxq</a>
	中等	421. 简化路径	<a href="https://www.lintcode.com/problem/421/?utm_source=yy-libao-wxq">https://www.lintcode.com/problem/421/?utm_source=yy-libao-wxq</a>
		512. 解码方法	<a href="https://www.lintcode.com/problem/512/?utm_source=yy-libao-wxq">https://www.lintcode.com/problem/512/?utm_source=yy-libao-wxq</a>
		915. BST 的中序前驱节点	<a href="https://www.lintcode.com/problem/915/?utm_source=yy-libao-wxq">https://www.lintcode.com/problem/915/?utm_source=yy-libao-wxq</a>
	困难	450. K 组翻转链表	<a href="https://www.lintcode.com/problem/450/?utm_source=yy-libao-wxq">https://www.lintcode.com/problem/450/?utm_source=yy-libao-wxq</a>
		849. 基础计算器 II	<a href="https://www.lintcode.com/problem/849/?utm_source=yy-libao-wxq">https://www.lintcode.com/problem/849/?utm_source=yy-libao-wxq</a>

	超 难	131. 大楼轮廓	<a href="https://www.lintcode.com/problem/131/?utm_source=yy-libao-wxq">https://www.lintcode.com/problem/131/?utm_source=yy-libao-wxq</a>
亚麻	简 单	433 • 岛屿的个数	<a href="https://www.lintcode.com/problem/433/?utm_source=yy-libao-wxq">https://www.lintcode.com/problem/433/?utm_source=yy-libao-wxq</a>
	中 等	442 • 实现 Trie (前缀树)	<a href="https://www.lintcode.com/problem/442/?utm_source=yy-libao-wxq">https://www.lintcode.com/problem/442/?utm_source=yy-libao-wxq</a>
		471 • 最高频的 K 个单词	<a href="https://www.lintcode.com/problem/471/?utm_source=yy-libao-wxq">https://www.lintcode.com/problem/471/?utm_source=yy-libao-wxq</a>
		669 • 换硬币	<a href="https://www.lintcode.com/problem/669/?utm_source=yy-libao-wxq">https://www.lintcode.com/problem/669/?utm_source=yy-libao-wxq</a>
		615 • 课程表	<a href="https://www.lintcode.com/problem/615/?utm_source=yy-libao-wxq">https://www.lintcode.com/problem/615/?utm_source=yy-libao-wxq</a>
		647 • 子串字谜	<a href="https://www.lintcode.com/problem/647/?utm_source=yy-libao-wxq">https://www.lintcode.com/problem/647/?utm_source=yy-libao-wxq</a>
		134 • LRU 缓存策略	<a href="https://www.lintcode.com/problem/134/?utm_source=yy-libao-wxq">https://www.lintcode.com/problem/134/?utm_source=yy-libao-wxq</a>
	困 难	622 • 青蛙跳	<a href="https://www.lintcode.com/problem/622/?utm_source=syy-libao-wxq">https://www.lintcode.com/problem/622/?utm_source=syy-libao-wxq</a>
		120 • 单词接龙	<a href="https://www.lintcode.com/problem/120/?utm_source=yy-libao-wxq">https://www.lintcode.com/problem/120/?utm_source=yy-libao-wxq</a>
		746 • 设计井字棋	<a href="https://www.lintcode.com/problem/746/?utm_source=yy-libao-wxq">https://www.lintcode.com/problem/746/?utm_source=yy-libao-wxq</a>
		132 • 单词搜索 II	<a href="https://www.lintcode.com/problem/132/?utm_source=yy-libao-wxq">https://www.lintcode.com/problem/132/?utm_source=yy-libao-wxq</a>
Apple	简 单	423 • 有效的括号序列	<a href="https://www.lintcode.com/problem/423/?utm_source=yy-libao-wxq">https://www.lintcode.com/problem/423/?utm_source=yy-libao-wxq</a>
		1298 • 最小高度树	<a href="https://www.lintcode.com/problem/1298/?utm_source=yy-libao-wxq">https://www.lintcode.com/problem/1298/?utm_source=yy-libao-wxq</a>
		491 • 回文数	<a href="https://www.lintcode.com/problem/491/?utm_source=yy-libao-wxq">https://www.lintcode.com/problem/491/?utm_source=yy-libao-wxq</a>
	中 等	1001 • 小行星的碰撞	<a href="https://www.lintcode.com/problem/1001/?utm_source=yy-libao-wxq">https://www.lintcode.com/problem/1001/?utm_source=yy-libao-wxq</a>
		32 • 最小覆盖子串	<a href="https://www.lintcode.com/problem/32/?utm_source=yy-libao-wxq">https://www.lintcode.com/problem/32/?utm_source=yy-libao-wxq</a>
		94 • 二叉树中的最大路径和	<a href="https://www.lintcode.com/problem/94/?utm_source=yy-libao-wxq">https://www.lintcode.com/problem/94/?utm_source=yy-libao-wxq</a>
		1257 • 除法求值	<a href="https://www.lintcode.com/problem/1257/?utm_source=yy-libao-wxq">https://www.lintcode.com/problem/1257/?utm_source=yy-libao-wxq</a>
		15 • 全排列	<a href="https://www.lintcode.com/problem/15/?utm_source=yy-libao-wxq">https://www.lintcode.com/problem/15/?utm_source=yy-libao-wxq</a>

		1849 • 爱生气的书店老板	<a href="https://www.lintcode.com/problem/1849/?utm_source=yy-libao-wxq">https://www.lintcode.com/problem/1849/?utm_source=yy-libao-wxq</a>
	困难	857 • 最小的窗口子序列	<a href="https://www.lintcode.com/problem/87/?utm_source=yy-libao-wxq">https://www.lintcode.com/problem/87/?utm_source=yy-libao-wxq</a>
		362 • 滑动窗口的最大值	<a href="https://www.lintcode.com/problem/362/?utm_source=yy-libao-wxq">https://www.lintcode.com/problem/362/?utm_source=yy-libao-wxq</a>
		231 • 自动补全	<a href="https://www.lintcode.com/problem/231/?utm_source=yy-libao-wxq">https://www.lintcode.com/problem/231/?utm_source=yy-libao-wxq</a>
	超难	274 • 使二叉树平均	<a href="https://www.lintcode.com/problem/274/?utm_source=yy-libao-wxq">https://www.lintcode.com/problem/274/?utm_source=yy-libao-wxq</a>
谷歌	简单	3 • 统计数字	<a href="https://www.lintcode.com/problem/3/?utm_source=yy-libao-wxq">https://www.lintcode.com/problem/3/?utm_source=yy-libao-wxq</a>
		14 • 不同的路径	<a href="https://www.lintcode.com/problem/114/?utm_source=yy-libao-wxq">https://www.lintcode.com/problem/114/?utm_source=yy-libao-wxq</a>
		173 • 链表插入排序	<a href="https://www.lintcode.com/problem/173/?utm_source=yy-libao-wxq">https://www.lintcode.com/problem/173/?utm_source=yy-libao-wxq</a>
	中等	127 • 拓扑排序	<a href="https://www.lintcode.com/problem/127/?utm_source=yy-libao-wxq">https://www.lintcode.com/problem/127/?utm_source=yy-libao-wxq</a>
		589 • 连接图	<a href="https://www.lintcode.com/problem/589/?utm_source=yy-libao-wxq">https://www.lintcode.com/problem/589/?utm_source=yy-libao-wxq</a>
		49 • 字符大小写排序	<a href="https://www.lintcode.com/problem/49/?utm_source=yy-libao-wxq">https://www.lintcode.com/problem/49/?utm_source=yy-libao-wxq</a>
		2473 • 设计线程安全的哈希表	<a href="https://www.lintcode.com/problem/2473/?utm_source=yy-libao-wxq">https://www.lintcode.com/problem/2473/?utm_source=yy-libao-wxq</a>
		117 • 跳跃游戏 II	<a href="https://www.lintcode.com/problem/117/?utm_source=yy-libao-wxq">https://www.lintcode.com/problem/117/?utm_source=yy-libao-wxq</a>
		1364 • 最短路径	<a href="https://www.lintcode.com/problem/1364/?utm_source=yy-libao-wxq">https://www.lintcode.com/problem/1364/?utm_source=yy-libao-wxq</a>
		1353 • 根节点到叶节点求和	<a href="https://www.lintcode.com/problem/1353/?utm_source=yy-libao-wxq">https://www.lintcode.com/problem/1353/?utm_source=yy-libao-wxq</a>
		945 • 任务计划	<a href="https://www.lintcode.com/problem/945/?utm_source=yy-libao-wxq">https://www.lintcode.com/problem/945/?utm_source=yy-libao-wxq</a>
	困难	804 • 不同岛屿的数量 II	<a href="https://www.lintcode.com/problem/804/?utm_source=yy-libao-wxq">https://www.lintcode.com/problem/804/?utm_source=yy-libao-wxq</a>
		780 • 删除无效的括号	<a href="https://www.lintcode.com/problem/780/?utm_source=yy-libao-wxq">https://www.lintcode.com/problem/780/?utm_source=yy-libao-wxq</a>
		1514 • 扫地机器人	<a href="https://www.lintcode.com/problem/1514/?utm_source=yy-libao-wxq">https://www.lintcode.com/problem/1514/?utm_source=yy-libao-wxq</a>

TikTok	入门	2888 • 数组合并	<a href="https://www.lintcode.com/problem/2888/?utm_source=yy-libao-wxq">https://www.lintcode.com/problem/2888/?utm_source=yy-libao-wxq</a>
		485 • 生成给定大小的数组	<a href="https://www.lintcode.com/problem/485/?utm_source=yy-libao-wxq">https://www.lintcode.com/problem/485/?utm_source=yy-libao-wxq</a>
		484 • 交换数组两个元素	<a href="https://www.lintcode.com/problem/484/?utm_source=yy-libao-wxq">https://www.lintcode.com/problem/484/?utm_source=yy-libao-wxq</a>
	简单	196 • 寻找缺失的数	<a href="https://www.lintcode.com/problem/196/?utm_source=yy-libao-wxq">https://www.lintcode.com/problem/196/?utm_source=yy-libao-wxq</a>
		1137 • 从二叉树构建字符串	<a href="https://www.lintcode.com/problem/1137/?utm_source=yy-libao-wxq">https://www.lintcode.com/problem/1137/?utm_source=yy-libao-wxq</a>
		114 • 不同的路径	<a href="https://www.lintcode.com/problem/114/?utm_source=yy-libao-wxq">https://www.lintcode.com/problem/114/?utm_source=yy-libao-wxq</a>
		1609 • 链表的中间结点	<a href="https://www.lintcode.com/problem/1609/?utm_source=yy-libao-wxq">https://www.lintcode.com/problem/1609/?utm_source=yy-libao-wxq</a>
	中等	787 • 迷宫	<a href="https://www.lintcode.com/problem/787/?utm_source=yy-libao-wxq">https://www.lintcode.com/problem/787/?utm_source=yy-libao-wxq</a>
		788 • 迷宫 II	<a href="https://www.lintcode.com/problem/788/?utm_source=yy-libao-wxq">https://www.lintcode.com/problem/788/?utm_source=yy-libao-wxq</a>
		693 • 移掉 K 位数字	<a href="https://www.lintcode.com/problem/693/?utm_source=yy-libao-wxq">https://www.lintcode.com/problem/693/?utm_source=yy-libao-wxq</a>
		1596 • 可能的二分法	<a href="https://www.lintcode.com/problem/1596/?utm_source=yy-libao-wxq">https://www.lintcode.com/problem/1596/?utm_source=yy-libao-wxq</a>
		535 • 打劫房屋 III	<a href="https://www.lintcode.com/problem/535/?utm_source=yy-libao-wxq">https://www.lintcode.com/problem/535/?utm_source=yy-libao-wxq</a>
		392 • 打劫房屋	<a href="https://www.lintcode.com/problem/392/?utm_source=yy-libao-wxq">https://www.lintcode.com/problem/392/?utm_source=yy-libao-wxq</a>
		1101 • 二叉树最大宽度	<a href="https://www.lintcode.com/problem/1101/?utm_source=yy-libao-wxq">https://www.lintcode.com/problem/1101/?utm_source=yy-libao-wxq</a>
	困难	789 • 迷宫 III	<a href="https://www.lintcode.com/problem/789/?utm_source=yy-libao-wxq">https://www.lintcode.com/problem/789/?utm_source=yy-libao-wxq</a>
		849 • 基础计算器 III	<a href="https://www.lintcode.com/problem/849/?utm_source=yy-libao-wxq">https://www.lintcode.com/problem/849/?utm_source=yy-libao-wxq</a>
LinkedIn	简单	67 • 二叉树的中序遍历	<a href="https://www.lintcode.com/problem/67/?utm_source=yy-libao-wxq">https://www.lintcode.com/problem/67/?utm_source=yy-libao-wxq</a>
		1517 • 最大子数组	<a href="https://www.lintcode.com/problem/1517/?utm_source=yy-libao-wxq">https://www.lintcode.com/problem/1517/?utm_source=yy-libao-wxq</a>
		128 • 哈希函数	<a href="https://www.lintcode.com/problem/128/?utm_source=yy-libao-wxq">https://www.lintcode.com/problem/128/?utm_source=yy-libao-wxq</a>

	中等	905 • 嵌套列表的加权和 II	<a href="https://www.lintcode.com/problem/905/?utm_source=yy-libao-wxq">https://www.lintcode.com/problem/905/?utm_source=yy-libao-wxq</a>
		645 • 识别名人	<a href="https://www.lintcode.com/problem/645/?utm_source=yy-libao-wxq">https://www.lintcode.com/problem/645/?utm_source=yy-libao-wxq</a>
		71 • 二叉树的锯齿形层次遍历	<a href="https://www.lintcode.com/problem/71/?utm_source=yy-libao-wxq">https://www.lintcode.com/problem/71/?utm_source=yy-libao-wxq</a>
		191 • 乘积最大子数组	<a href="https://www.lintcode.com/problem/191/?utm_source=yy-libao-wxq">https://www.lintcode.com/problem/191/?utm_source=yy-libao-wxq</a>
		659 • 编码和解码字符串	<a href="https://www.lintcode.com/problem/659/?utm_source=yy-libao-wxq">https://www.lintcode.com/problem/659/?utm_source=yy-libao-wxq</a>
		657 • 0(1)实现数组插入/删除/随机访问	<a href="https://www.lintcode.com/problem/657/?utm_source=yy-libao-wxq">https://www.lintcode.com/problem/657/?utm_source=yy-libao-wxq</a>
	困难	901 • 二叉搜索树中最接近的值 II	<a href="https://www.lintcode.com/problem/901/?utm_source=yy-libao-wxq">https://www.lintcode.com/problem/901/?utm_source=yy-libao-wxq</a>
		738 • 计数回文子序列	<a href="https://www.lintcode.com/problem/738/?utm_source=yy-libao-wxq">https://www.lintcode.com/problem/738/?utm_source=yy-libao-wxq</a>
		859 • 最大栈	<a href="https://www.lintcode.com/problem/859/?utm_source=yy-libao-wxq">https://www.lintcode.com/problem/859/?utm_source=yy-libao-wxq</a>
OpenAI	简单	50 • 数组剔除元素后的乘积	<a href="https://www.lintcode.com/problem/50/?utm_source=yy-libao-wxq">https://www.lintcode.com/problem/50/?utm_source=yy-libao-wxq</a>
		156 • 合并区间	<a href="https://www.lintcode.com/problem/150/?utm_source=yy-libao-wxq">https://www.lintcode.com/problem/150/?utm_source=yy-libao-wxq</a>
		158 • 两个字符串是变位词	<a href="https://www.lintcode.com/problem/158/?utm_source=yy-libao-wxq">https://www.lintcode.com/problem/158/?utm_source=yy-libao-wxq</a>
	中等	32 • 最小子串覆盖	<a href="https://www.lintcode.com/problem/32/?utm_source=yy-libao-wxq">https://www.lintcode.com/problem/32/?utm_source=yy-libao-wxq</a>
		421 • 简化路径	<a href="https://www.lintcode.com/problem/421/?utm_source=yy-libao-wxq">https://www.lintcode.com/problem/421/?utm_source=yy-libao-wxq</a>
		663 • 墙和门	<a href="https://www.lintcode.com/problem/663/?utm_source=yy-libao-wxq">https://www.lintcode.com/problem/663/?utm_source=yy-libao-wxq</a>
		1022 • 合法的井字棋状态	<a href="https://www.lintcode.com/problem/1022/?utm_source=yy-libao-wxq">https://www.lintcode.com/problem/1022/?utm_source=yy-libao-wxq</a>
		1301 • 生命游戏	<a href="https://www.lintcode.com/problem/1301/?utm_source=yy-libao-wxq">https://www.lintcode.com/problem/1301/?utm_source=yy-libao-wxq</a>

	困难	305 • 矩阵中的最长递增路径	<a href="https://www.lintcode.com/problem/305/?utm_source=yy-libao-wxg">https://www.lintcode.com/problem/305/?utm_source=yy-libao-wxg</a>
		54 • 转换字符串到整数	<a href="https://www.lintcode.com/problem/54/?utm_source=yy-libao-wxg">https://www.lintcode.com/problem/54/?utm_source=yy-libao-wxg</a>
		103 • 带环链表 II	<a href="https://www.lintcode.com/problem/103/?utm_source=yy-libao-wxg">https://www.lintcode.com/problem/103/?utm_source=yy-libao-wxg</a>
Oracle	简单	41 • 最大子数组	<a href="https://www.lintcode.com/problem/41/?utm_source=yy-libao-wxg">https://www.lintcode.com/problem/41/?utm_source=yy-libao-wxg</a>
	中等	187 • 加油站	<a href="https://www.lintcode.com/problem/107/?utm_source=yy-libao-wxg">https://www.lintcode.com/problem/107/?utm_source=yy-libao-wxg</a>
		1116 • 函数执行时间	<a href="https://www.lintcode.com/problem/1116/?utm_source=yy-libao-wxg">https://www.lintcode.com/problem/1116/?utm_source=yy-libao-wxg</a>
		1108 • 寻找重复的子树	<a href="https://www.lintcode.com/problem/1108/?utm_source=yy-libao-wxg">https://www.lintcode.com/problem/1108/?utm_source=yy-libao-wxg</a>
		1392 • 安排工作以达到最大收益	<a href="https://www.lintcode.com/problem/1392/?utm_source=yy-libao-wxg">https://www.lintcode.com/problem/1392/?utm_source=yy-libao-wxg</a>
		1853 • 高效作业处理服务	<a href="https://www.lintcode.com/problem/1853/?utm_source=yy-libao-wxg">https://www.lintcode.com/problem/1853/?utm_source=yy-libao-wxg</a>