

标签 树链剖分 下的文章

🏠 首页 (<https://blog.orzsiyuan.com/>) / 树链剖分

「Codeforces 1174F」 Ehab and the Big Finale
(<https://blog.orzsiyuan.com/archives/Codeforces-1174F-Ehab-and-the-Big-Finale/>)

题目链接: Codeforces 1174F (<https://codeforces.com/problemset/problem/1174/F>)

这是一道交互题。

给定一棵有 n 个点的树，节点 1 为根节点。

我们选择一个隐藏节点 x ，你需要进行以下三种操作来找到这个节点 x 的编号。

- $d u$ ：你会得到节点 u 和 x 之间的距离。两个节点之间的距离定义为最短路径上的边数。
- $s u$ ：你会得到节点 u 到 x 的最短路径上的第二个节点。但是如果 u 不是 x 的祖先，你会直接得到 Wrong answer 的结果！
- $! u$ ：回答隐藏节点 x 的编号为 u 。

你需要在 36 次询问（不包括回答）内找到 x 的编号。这个隐藏节点 x 不会根据你的询问而改变。

数据范围： $2 \leq n \leq 2 \times 10^5$ 。

👤 Siyuan (<https://blog.orzsiyuan.com/author/1/>) ⏲ 2019 年 08 月 07 日



热门文章

(<https://blog.orzsiyuan.com/archives/ZJOI-2019/>)
2019/ ⚡ 6051

(<https://blog.orzsiyuan.com/archives/hehezhou-AK-CSP-2019/>)
AK- ⚡ 2892
CSP-
2019/ (<https://blog.orzsiyuan.com/archives/Polynomial-Template/>)
Template ⚡ 1080

(<https://blog.orzsiyuan.com/archives/SDOI-2017-Number-Table/>)

2017- 1028

Number-

Table/) (<https://blog.orzsiyuan.com/archives/TJOI-2019-Sing->

2019- Dance-Rap-and-Basketball/)

Sing- 843

Dance-

Rap-

and-

Basketball/)

博客信息

 文章数目	187
 评论数目	243
 运行天数	1年25天
 最后活动	4 个月前

标签云

[Codeforces](https://blog.orzsiyuan.com/tag/Codeforces/) (<https://blog.orzsiyuan.com/tag/Codeforces/>)

[数据结构](https://blog.orzsiyuan.com/tag/Data-Structure/) (<https://blog.orzsiyuan.com/tag/Data-Structure/>)

[动态规划](https://blog.orzsiyuan.com/tag/Dynamic-Programming/) (<https://blog.orzsiyuan.com/tag/Dynamic-Programming/>)

[数论](https://blog.orzsiyuan.com/tag/Number-Theory/) (<https://blog.orzsiyuan.com/tag/Number-Theory/>) [图论](https://blog.orzsiyuan.com/tag/Graph-Theory/) (<https://blog.orzsiyuan.com/tag/Graph-Theory/>)

[贪心](https://blog.orzsiyuan.com/tag/Greedy/) (<https://blog.orzsiyuan.com/tag/Greedy/>) [多项式](https://blog.orzsiyuan.com/tag/Polynomial/) (<https://blog.orzsiyuan.com/tag/Polynomial/>)

[字符串](https://blog.orzsiyuan.com/tag/%E5%AD%97%E7%AC%A6%E4%B8%B2/) (<https://blog.orzsiyuan.com/tag/%E5%AD%97%E7%AC%A6%E4%B8%B2/>)

[LOJ](https://blog.orzsiyuan.com/tag/LOJ/) (<https://blog.orzsiyuan.com/tag/LOJ/>) [FFT NTT](https://blog.orzsiyuan.com/tag/FFT-NTT/) (<https://blog.orzsiyuan.com/tag/FFT-NTT/>)

[网络流](https://blog.orzsiyuan.com/tag/Network-Flow/) (<https://blog.orzsiyuan.com/tag/Network-Flow/>) [LCT](https://blog.orzsiyuan.com/tag/LCT/) (<https://blog.orzsiyuan.com/tag/LCT/>)

[计数](https://blog.orzsiyuan.com/tag/%E8%AE%A1%E6%95%B0/) (<https://blog.orzsiyuan.com/tag/%E8%AE%A1%E6%95%B0/>)

[后缀数组](https://blog.orzsiyuan.com/tag/%E5%90%8E%E7%BC%80%E6%95%B0%E7%BB%84/) (<https://blog.orzsiyuan.com/tag/%E5%90%8E%E7%BC%80%E6%95%B0%E7%BB%84/>)

[线段树](https://blog.orzsiyuan.com/tag/Segment-Tree/) (<https://blog.orzsiyuan.com/tag/Segment-Tree/>)

[构造](https://blog.orzsiyuan.com/tag/%E6%9E%84%E9%80%A0/) (<https://blog.orzsiyuan.com/tag/%E6%9E%84%E9%80%A0/>) [HDU](https://blog.orzsiyuan.com/tag/HDU/) (<https://blog.orzsiyuan.com/tag/HDU/>)

[SPOJ](https://blog.orzsiyuan.com/tag/SPOJ/) (<https://blog.orzsiyuan.com/tag/SPOJ/>) [Luogu](https://blog.orzsiyuan.com/tag/Luogu/) (<https://blog.orzsiyuan.com/tag/Luogu/>)

[BZOJ](https://blog.orzsiyuan.com/tag/BZOJ/) (<https://blog.orzsiyuan.com/tag/BZOJ/>) [树状数组](https://blog.orzsiyuan.com/tag/Binary-Indexed-Tree/) (<https://blog.orzsiyuan.com/tag/Binary-Indexed-Tree/>)

[CDQ 分治](https://blog.orzsiyuan.com/tag/CDQ-Divide-and-Conquer/) (<https://blog.orzsiyuan.com/tag/CDQ-Divide-and-Conquer/>)

[UOJ](https://blog.orzsiyuan.com/tag/UOJ/) (<https://blog.orzsiyuan.com/tag/UOJ/>) [主席树](https://blog.orzsiyuan.com/tag/Chairman-Tree/) (<https://blog.orzsiyuan.com/tag/Chairman-Tree/>)

[高斯消元](https://blog.orzsiyuan.com/tag/Gaussian-Elimination/) (<https://blog.orzsiyuan.com/tag/Gaussian-Elimination/>)

[莫比乌斯反演 \(<https://blog.orzsiyuan.com/tag/Mobius-Inversion/>\)](https://blog.orzsiyuan.com/tag/Mobius-Inversion/)[AtCoder \(<https://blog.orzsiyuan.com/tag/AtCoder/>\)](https://blog.orzsiyuan.com/tag/AtCoder/)[多项式乘法 \(<https://blog.orzsiyuan.com/tag/%E5%A4%9A%E9%A1%B9%E5%BC%8F%E4%B9%98%E6%B3%95/>\)](https://blog.orzsiyuan.com/tag/%E5%A4%9A%E9%A1%B9%E5%BC%8F%E4%B9%98%E6%B3%95/)[并查集 \(<https://blog.orzsiyuan.com/tag/Union-Find-Set/>\)](https://blog.orzsiyuan.com/tag/Union-Find-Set/)[最大流 \(<https://blog.orzsiyuan.com/tag/Maximum-Flow/>\)](https://blog.orzsiyuan.com/tag/Maximum-Flow/)[费用流 \(<https://blog.orzsiyuan.com/tag/Minimum-Cost/>\)](https://blog.orzsiyuan.com/tag/Minimum-Cost/)[Splay \(<https://blog.orzsiyuan.com/tag/Splay/>\)](https://blog.orzsiyuan.com/tag/Splay/)[离线 \(<https://blog.orzsiyuan.com/tag/Off-Line/>\)](https://blog.orzsiyuan.com/tag/Off-Line/)[二分答案 \(<https://blog.orzsiyuan.com/tag/Binary-Search-Answer/>\)](https://blog.orzsiyuan.com/tag/Binary-Search-Answer/)[权值线段树 \(<https://blog.orzsiyuan.com/tag/Weight-Segment-Tree/>\)](https://blog.orzsiyuan.com/tag/Weight-Segment-Tree/)[容斥 \(<https://blog.orzsiyuan.com/tag/%E5%AE%B9%E6%96%A5/>\)](https://blog.orzsiyuan.com/tag/%E5%AE%B9%E6%96%A5/)[数论分块 \(<https://blog.orzsiyuan.com/tag/%E6%95%B0%E8%AE%BA%E5%88%86%E5%9D%97/>\)](https://blog.orzsiyuan.com/tag/%E6%95%B0%E8%AE%BA%E5%88%86%E5%9D%97/)[计算几何 \(<https://blog.orzsiyuan.com/tag/Geometry/>\)](https://blog.orzsiyuan.com/tag/Geometry/)[组合数学 \(<https://blog.orzsiyuan.com/tag/Combinatorics/>\)](https://blog.orzsiyuan.com/tag/Combinatorics/)[矩阵 \(<https://blog.orzsiyuan.com/tag/Matrix/>\)](https://blog.orzsiyuan.com/tag/Matrix/)[最小割 \(<https://blog.orzsiyuan.com/tag/Minimum-Cut/>\)](https://blog.orzsiyuan.com/tag/Minimum-Cut/)[随机化 \(<https://blog.orzsiyuan.com/tag/Randomization/>\)](https://blog.orzsiyuan.com/tag/Randomization/)[斜率优化 \(<https://blog.orzsiyuan.com/tag/Slope-Optimization/>\)](https://blog.orzsiyuan.com/tag/Slope-Optimization/)[NOI \(<https://blog.orzsiyuan.com/tag/NOI/>\)](https://blog.orzsiyuan.com/tag/NOI/)[概率期望 \(<https://blog.orzsiyuan.com/tag/%E6%A6%82%E7%8E%87%E6%9C%9F%E6%9C%9B/>\)](https://blog.orzsiyuan.com/tag/%E6%A6%82%E7%8E%87%E6%9C%9F%E6%9C%9B/)[后缀自动机 \(<https://blog.orzsiyuan.com/tag/%E5%90%8E%E7%BC%80%E8%87%AA%E5%8A%8E%69C%BA/>\)](https://blog.orzsiyuan.com/tag/%E5%90%8E%E7%BC%80%E8%87%AA%E5%8A%8E%69C%BA/)[位运算 \(<https://blog.orzsiyuan.com/tag/%E4%BD%8D%E8%BF%90%E7%AE%97/>\)](https://blog.orzsiyuan.com/tag/%E4%BD%8D%E8%BF%90%E7%AE%97/)[生成函数 \(<https://blog.orzsiyuan.com/tag/%E7%94%9F%E6%88%90%E5%87%BD%E6%95%BD/>\)](https://blog.orzsiyuan.com/tag/%E7%94%9F%E6%88%90%E5%87%BD%E6%95%BD/)[莫队 \(<https://blog.orzsiyuan.com/tag/Mo-Algorithm/>\)](https://blog.orzsiyuan.com/tag/Mo-Algorithm/)[BJOI \(<https://blog.orzsiyuan.com/tag/BJOI/>\)](https://blog.orzsiyuan.com/tag/BJOI/)[线性基 \(<https://blog.orzsiyuan.com/tag/Linear-Base/>\)](https://blog.orzsiyuan.com/tag/Linear-Base/)[分块 \(<https://blog.orzsiyuan.com/tag/Partition/>\)](https://blog.orzsiyuan.com/tag/Partition/)[凸包 \(<https://blog.orzsiyuan.com/tag/Convex-Hull/>\)](https://blog.orzsiyuan.com/tag/Convex-Hull/)[POJ \(<https://blog.orzsiyuan.com/tag/POJ/>\)](https://blog.orzsiyuan.com/tag/POJ/)[平衡树 \(<https://blog.orzsiyuan.com/tag/Balanced-Tree/>\)](https://blog.orzsiyuan.com/tag/Balanced-Tree/)[线性筛 \(<https://blog.orzsiyuan.com/tag/Euler-Sieve-Method/>\)](https://blog.orzsiyuan.com/tag/Euler-Sieve-Method/)[FWT \(<https://blog.orzsiyuan.com/tag/FWT/>\)](https://blog.orzsiyuan.com/tag/FWT/)[单调栈 \(<https://blog.orzsiyuan.com/tag/%E5%8D%95%E8%BD%83%E6%A0%88/>\)](https://blog.orzsiyuan.com/tag/%E5%8D%95%E8%BD%83%E6%A0%88/)[杜教筛 \(<https://blog.orzsiyuan.com/tag/%E6%9D%AD%9B/>\)](https://blog.orzsiyuan.com/tag/%E6%9D%AD%9B/)[多项式指教函数 \(<https://blog.orzsiyuan.com/tag/%E5%90%8D%E6%95%BD%E6%95%BD/>\)](https://blog.orzsiyuan.com/tag/%E5%90%8D%E6%95%BD%E6%95%BD/)[行列式 \(<https://blog.orzsiyuan.com/tag/Determinant/>\)](https://blog.orzsiyuan.com/tag/Determinant/)[欧拉函数 \(<https://blog.orzsiyuan.com/tag/Euler-Function/>\)](https://blog.orzsiyuan.com/tag/Euler-Function/)[树形 DP \(<https://blog.orzsiyuan.com/tag/Tree-DP/>\)](https://blog.orzsiyuan.com/tag/Tree-DP/)[Two Pointers \(<https://blog.orzsiyuan.com/tag/Two-Pointers/>\)](https://blog.orzsiyuan.com/tag/Two-Pointers/)[模拟退火 \(<https://blog.orzsiyuan.com/tag/Simulated-Annealing/>\)](https://blog.orzsiyuan.com/tag/Simulated-Annealing/)[NOIP \(<https://blog.orzsiyuan.com/tag/NOIP/>\)](https://blog.orzsiyuan.com/tag/NOIP/)[偏序 \(<https://blog.orzsiyuan.com/tag/Partial-Order/>\)](https://blog.orzsiyuan.com/tag/Partial-Order/)[TJOI \(<https://blog.orzsiyuan.com/tag/TJOI/>\)](https://blog.orzsiyuan.com/tag/TJOI/)[整体二分 \(<https://blog.orzsiyuan.com/tag/Binary-Search-Whole/>\)](https://blog.orzsiyuan.com/tag/Binary-Search-Whole/)[ZJOI \(<https://blog.orzsiyuan.com/tag/ZJOI/>\)](https://blog.orzsiyuan.com/tag/ZJOI/)[积性函数 \(<https://blog.orzsiyuan.com/tag/Multiplicative-Function/>\)](https://blog.orzsiyuan.com/tag/Multiplicative-Function/)[RMQ \(<https://blog.orzsiyuan.com/tag/RMQ/>\)](https://blog.orzsiyuan.com/tag/RMQ/)

- [决策单调性 \(https://blog.orzsiyuan.com/tag/%E5%86%B3%E7%AD%96%E5%8D%95%E8%B0%83%E6%80%A7/\)](https://blog.orzsiyuan.com/tag/%E5%86%B3%E7%AD%96%E5%8D%95%E8%B0%83%E6%80%A7/)
- [二分 \(https://blog.orzsiyuan.com/tag/%E4%BA%8C%E5%88%86/\)](https://blog.orzsiyuan.com/tag/%E4%BA%8C%E5%88%86/)
- [多项式求逆 \(https://blog.orzsiyuan.com/tag/%E5%A4%9A%E9%A1%B9%E5%BC%8F%E6%B1%82%E9%80%86/\)](https://blog.orzsiyuan.com/tag/%E5%A4%9A%E9%A1%B9%E5%BC%8F%E6%B1%82%E9%80%86/)
- [多项式开根 \(https://blog.orzsiyuan.com/tag/%E5%A4%9A%E9%A1%B9%E5%BC%8F%E5%BC%80%E6%A0%B9/\)](https://blog.orzsiyuan.com/tag/%E5%A4%9A%E9%A1%B9%E5%BC%8F%E5%BC%80%E6%A0%B9/)
- [数学归纳法 \(https://blog.orzsiyuan.com/tag/%E6%95%B0%E5%AD%A6%E5%BD%92%E7%BA%B3%E6%B3%95/\)](https://blog.orzsiyuan.com/tag/%E6%95%B0%E5%AD%A6%E5%BD%92%E7%BA%B3%E6%B3%95/)
- [多项式自然对数 \(https://blog.orzsiyuan.com/tag/%E5%A4%9A%E9%A1%B9%E5%BC%8F%E8%87%AA%E7%84%B6%E5%BF%AB%E9%80%9F%E5%BC%80%86/\)](https://blog.orzsiyuan.com/tag/%E5%A4%9A%E9%A1%B9%E5%BC%8F%E8%87%AA%E7%84%B6%E5%BF%AB%E9%80%9F%E5%BC%80%86/)
- [多项式快速幂 \(https://blog.orzsiyuan.com/tag/%E5%A4%9A%E9%A1%B9%E5%BC%8F%E5%BF%AB%E9%80%9F%E5%BC%80%86/\)](https://blog.orzsiyuan.com/tag/%E5%A4%9A%E9%A1%B9%E5%BC%8F%E5%BF%AB%E9%80%9F%E5%BC%80%86/)
- [最小圆覆盖 \(https://blog.orzsiyuan.com/tag/Smallest-Encoding-Circle/\)](https://blog.orzsiyuan.com/tag/Smallest-Encoding-Circle/)
- [BSGS \(https://blog.orzsiyuan.com/tag/BSGS/\)](https://blog.orzsiyuan.com/tag/BSGS/) 可持久化 (https://blog.orzsiyuan.com/tag/Persistence/)
- [拉格朗日插值 \(https://blog.orzsiyuan.com/tag/Lagrange-Interpolation/\)](https://blog.orzsiyuan.com/tag/Lagrange-Interpolation/)
- [同余 \(https://blog.orzsiyuan.com/tag/Congruence/\)](https://blog.orzsiyuan.com/tag/Congruence/)
- [线性同余方程 \(https://blog.orzsiyuan.com/tag/Linear-Congruence-Theorem/\)](https://blog.orzsiyuan.com/tag/Linear-Congruence-Theorem/)
- [exGCD \(https://blog.orzsiyuan.com/tag/exGCD/\)](https://blog.orzsiyuan.com/tag/exGCD/) CRT (https://blog.orzsiyuan.com/tag/CRT/)
- [exCRT \(https://blog.orzsiyuan.com/tag/exCRT/\)](https://blog.orzsiyuan.com/tag/exCRT/) 逆矩阵 (https://blog.orzsiyuan.com/tag/Matrix-Inversion/)
- [最短路 \(https://blog.orzsiyuan.com/tag/Shortest-Path/\)](https://blog.orzsiyuan.com/tag/Shortest-Path/) Floyd (https://blog.orzsiyuan.com/tag/Floyd/)
- [类欧几里德算法 \(https://blog.orzsiyuan.com/tag/Similar-Euclidean-Algorithm/\)](https://blog.orzsiyuan.com/tag/Similar-Euclidean-Algorithm/)
- [叉积 \(https://blog.orzsiyuan.com/tag/Cross-Product/\)](https://blog.orzsiyuan.com/tag/Cross-Product/) HEOI (https://blog.orzsiyuan.com/tag/HEOI/)
- [最大子段和 \(https://blog.orzsiyuan.com/tag/Maximum-Interval-Sum/\)](https://blog.orzsiyuan.com/tag/Maximum-Interval-Sum/)
- [递推 \(https://blog.orzsiyuan.com/tag/Recursion/\)](https://blog.orzsiyuan.com/tag/Recursion/) 缩点 (https://blog.orzsiyuan.com/tag/Shrinking-Point/)
- [单调队列 \(https://blog.orzsiyuan.com/tag/%E5%8D%95%E8%B0%83%E9%98%9F%E5%88%97/\)](https://blog.orzsiyuan.com/tag/%E5%8D%95%E8%B0%83%E9%98%9F%E5%88%97/)
- [重心 \(https://blog.orzsiyuan.com/tag/%E9%87%8D%E5%BF%83/\)](https://blog.orzsiyuan.com/tag/%E9%87%8D%E5%BF%83/)
- [上下界网络流 \(https://blog.orzsiyuan.com/tag/%E4%B8%8A%E4%B8%8B%E7%95%8C%E7%BD%91%E7%BB%9C%E6%BC%8A/\)](https://blog.orzsiyuan.com/tag/%E4%B8%8A%E4%B8%8B%E7%95%8C%E7%BD%91%E7%BB%9C%E6%BC%8A/)
- [AHOI \(https://blog.orzsiyuan.com/tag/AHOI/\)](https://blog.orzsiyuan.com/tag/AHOI/)
- [倍增 \(https://blog.orzsiyuan.com/tag/%E5%80%8D%E5%A2%9E/\)](https://blog.orzsiyuan.com/tag/%E5%80%8D%E5%A2%9E/)
- [二分图 \(https://blog.orzsiyuan.com/tag/%E4%BA%8C%E5%88%86%E5%9B%BE/\)](https://blog.orzsiyuan.com/tag/%E4%BA%8C%E5%88%86%E5%9B%BE/)
- [差分 \(https://blog.orzsiyuan.com/tag/%E5%B7%AE%E5%88%86/\)](https://blog.orzsiyuan.com/tag/%E5%B7%AE%E5%88%86/)
- [Dirichlet 卷积 \(https://blog.orzsiyuan.com/tag/Dirichlet-%E5%8D%87%E7%A7%AF/\)](https://blog.orzsiyuan.com/tag/Dirichlet-%E5%8D%87%E7%A7%AF/)
- [多省联考 \(https://blog.orzsiyuan.com/tag/%E5%A4%9A%E7%9C%81%E8%81%94%E8%80%83/\)](https://blog.orzsiyuan.com/tag/%E5%A4%9A%E7%9C%81%E8%81%94%E8%80%83/)
- [优先队列 \(https://blog.orzsiyuan.com/tag/%E4%BC%98%E5%85%88%E9%98%9F%E5%88%97/\)](https://blog.orzsiyuan.com/tag/%E4%BC%98%E5%85%88%E9%98%9F%E5%88%97/)
- [启发式合并 \(https://blog.orzsiyuan.com/tag/%E5%90%AF%E5%8F%91%E5%BC%8F%E5%90%88%E5%89%B6/\)](https://blog.orzsiyuan.com/tag/%E5%90%AF%E5%8F%91%E5%BC%8F%E5%90%88%E5%89%B6/)
- [Trie \(https://blog.orzsiyuan.com/tag/Trie/\)](https://blog.orzsiyuan.com/tag/Trie/) Tarjan (https://blog.orzsiyuan.com/tag/Tarjan/)
- [线段树合并 \(https://blog.orzsiyuan.com/tag/%E7%BA%BF%E6%AE%B5%E6%A0%91%E5%90%88%E5%89%B6/\)](https://blog.orzsiyuan.com/tag/%E7%BA%BF%E6%AE%B5%E6%A0%91%E5%90%88%E5%89%B6/)
- [SDOI \(https://blog.orzsiyuan.com/tag/SDOI/\)](https://blog.orzsiyuan.com/tag/SDOI/) 交互 (https://blog.orzsiyuan.com/tag/%E4%BA%A4%E4%BA%92/)
- [欧拉路径 \(https://blog.orzsiyuan.com/tag/%E6%AC%A7%E6%8B%89%E8%B7%AF%E5%BE%84/\)](https://blog.orzsiyuan.com/tag/%E6%AC%A7%E6%8B%89%E8%B7%AF%E5%BE%84/)
- [多项式除法 \(https://blog.orzsiyuan.com/tag/%E5%A4%9A%E9%A1%B9%E5%BC%8F%E9%99%A4%E6%B3%95/\)](https://blog.orzsiyuan.com/tag/%E5%A4%9A%E9%A1%B9%E5%BC%8F%E9%99%A4%E6%B3%95/)

- [多项式取模 \(https://blog.orzsiyuan.com/tag/%E5%A4%9A%E9%A1%B9%E5%BC%8F%E5%8F%96%E6%A8%A1/\)](https://blog.orzsiyuan.com/tag/%E5%A4%9A%E9%A1%B9%E5%BC%8F%E5%8F%96%E6%A8%A1/)
- [多项式三角函数 \(https://blog.orzsiyuan.com/tag/%E5%A4%9A%E9%A1%B9%E5%BC%8F%E4%B8%89%E8%A7%92%E5%8D%8D/\)](https://blog.orzsiyuan.com/tag/%E5%A4%9A%E9%A1%B9%E5%BC%8F%E4%B8%89%E8%A7%92%E5%8D%8D/)
- [通项公式 \(https://blog.orzsiyuan.com/tag/%E9%80%9A%E9%A1%B9%E5%85%AC%E5%BC%8F/\)](https://blog.orzsiyuan.com/tag/%E9%80%9A%E9%A1%B9%E5%85%AC%E5%BC%8F/)
- [欧拉定理 \(https://blog.orzsiyuan.com/tag/Euler-Theorem/\)](https://blog.orzsiyuan.com/tag/Euler-Theorem/)
- [Kruskal 重构树 \(https://blog.orzsiyuan.com/tag/Extended-Kruskal/\)](https://blog.orzsiyuan.com/tag/Extended-Kruskal/)
- [生成树 \(https://blog.orzsiyuan.com/tag/Spanning-Tree/\)](https://blog.orzsiyuan.com/tag/Spanning-Tree/)
- [矩阵树定理 \(https://blog.orzsiyuan.com/tag/Matrix-Tree-Theorem/\)](https://blog.orzsiyuan.com/tag/Matrix-Tree-Theorem/)
- [LIS \(https://blog.orzsiyuan.com/tag/LIS/\)](https://blog.orzsiyuan.com/tag/LIS/)
- [曼哈顿距离 \(https://blog.orzsiyuan.com/tag/Manhattan-Distance/\)](https://blog.orzsiyuan.com/tag/Manhattan-Distance/)
- [切比雪夫距离 \(https://blog.orzsiyuan.com/tag/Chebyshev-Distance/\)](https://blog.orzsiyuan.com/tag/Chebyshev-Distance/)
- [CQOI \(https://blog.orzsiyuan.com/tag/CQOI/\)](https://blog.orzsiyuan.com/tag/CQOI/)
- [树套树 \(https://blog.orzsiyuan.com/tag/Tree-Nested-Tree/\)](https://blog.orzsiyuan.com/tag/Tree-Nested-Tree/)
- [LCA \(https://blog.orzsiyuan.com/tag/LCA/\)](https://blog.orzsiyuan.com/tag/LCA/)
- [质数 \(https://blog.orzsiyuan.com/tag/Prime-Number/\)](https://blog.orzsiyuan.com/tag/Prime-Number/)
- [矩阵快速幂 \(https://blog.orzsiyuan.com/tag/Matrix-Fast-Power/\)](https://blog.orzsiyuan.com/tag/Matrix-Fast-Power/)
- [FHQ Treap \(https://blog.orzsiyuan.com/tag/FHQ-Treap/\)](https://blog.orzsiyuan.com/tag/FHQ-Treap/)
- [POI \(https://blog.orzsiyuan.com/tag/POI/\)](https://blog.orzsiyuan.com/tag/POI/)
- [Kruskal \(https://blog.orzsiyuan.com/tag/Kruskal/\)](https://blog.orzsiyuan.com/tag/Kruskal/)
- [HAOI \(https://blog.orzsiyuan.com/tag/HAOI/\)](https://blog.orzsiyuan.com/tag/HAOI/)
- [四边形不等式 \(https://blog.orzsiyuan.com/tag/%E5%9B%9B%E8%BE%B9%E5%BD%A2%E4%B8%8D%E7%AD%89%E5%8D%8D/\)](https://blog.orzsiyuan.com/tag/%E5%9B%9B%E8%BE%B9%E5%BD%A2%E4%B8%8D%E7%AD%89%E5%8D%8D/)
- [点分治 \(https://blog.orzsiyuan.com/tag/%E7%82%B9%E5%88%86%E6%B2%BB/\)](https://blog.orzsiyuan.com/tag/%E7%82%B9%E5%88%86%E6%B2%BB/)
- [拓扑排序 \(https://blog.orzsiyuan.com/tag/%E6%8B%93%E6%89%91%E6%8E%92%E5%BA%8F/\)](https://blog.orzsiyuan.com/tag/%E6%8B%93%E6%89%91%E6%8E%92%E5%BA%8F/)
- [CodeChef \(https://blog.orzsiyuan.com/tag/CodeChef/\)](https://blog.orzsiyuan.com/tag/CodeChef/)
- [最小流 \(https://blog.orzsiyuan.com/tag/%E6%9C%80%E5%B0%8F%E6%B5%81/\)](https://blog.orzsiyuan.com/tag/%E6%9C%80%E5%B0%8F%E6%B5%81/)
- [匈牙利算法 \(https://blog.orzsiyuan.com/tag/%E5%8C%88%E7%89%99%E5%88%A9%E7%AE%97%E6%B3%95/\)](https://blog.orzsiyuan.com/tag/%E5%8C%88%E7%89%99%E5%88%A9%E7%AE%97%E6%B3%95/)
- [扫描线 \(https://blog.orzsiyuan.com/tag/%E6%89%AB%E6%8F%8F%E7%BA%BF/\)](https://blog.orzsiyuan.com/tag/%E6%89%AB%E6%8F%8F%E7%BA%BF/)
- [CEOI \(https://blog.orzsiyuan.com/tag/CEOI/\)](https://blog.orzsiyuan.com/tag/CEOI/)
- [长链剖分 \(https://blog.orzsiyuan.com/tag/%E9%95%BF%E9%93%BE%E5%89%96%E5%88%86/\)](https://blog.orzsiyuan.com/tag/%E9%95%BF%E9%93%BE%E5%89%96%E5%88%86/)
- [GXOI \(https://blog.orzsiyuan.com/tag/GXOI/\)](https://blog.orzsiyuan.com/tag/GXOI/)
- [GZOI \(https://blog.orzsiyuan.com/tag/GZOI/\)](https://blog.orzsiyuan.com/tag/GZOI/)
- [USACO \(https://blog.orzsiyuan.com/tag/USACO/\)](https://blog.orzsiyuan.com/tag/USACO/)
- [AC 自动机 \(https://blog.orzsiyuan.com/tag/AC-%E8%87%AA%E5%8A%A8%E6%9C%BA/\)](https://blog.orzsiyuan.com/tag/AC-%E8%87%AA%E5%8A%A8%E6%9C%BA/)
- [KMP \(https://blog.orzsiyuan.com/tag/KMP/\)](https://blog.orzsiyuan.com/tag/KMP/)
- [暴力 \(https://blog.orzsiyuan.com/tag/%E6%9A%B4%E5%8A%9B/\)](https://blog.orzsiyuan.com/tag/%E6%9A%B4%E5%8A%9B/)
- [CTSC \(https://blog.orzsiyuan.com/tag/CTSC/\)](https://blog.orzsiyuan.com/tag/CTSC/)
- [扩展欧拉定理 \(https://blog.orzsiyuan.com/tag/%E6%89%A9%E5%B1%95%E6%AC%A7%E6%8B%89%E5%AE%9A%E7%94%A8/\)](https://blog.orzsiyuan.com/tag/%E6%89%A9%E5%B1%95%E6%AC%A7%E6%8B%89%E5%AE%9A%E7%94%A8/)
- [牛顿迭代法 \(https://blog.orzsiyuan.com/tag/%E7%89%9B%E9%A1%BF%E8%BF%AD%E4%BB%A3%E6%B3%95/\)](https://blog.orzsiyuan.com/tag/%E7%89%9B%E9%A1%BF%E8%BF%AD%E4%BB%A3%E6%B3%95/)
- [泰勒公式 \(https://blog.orzsiyuan.com/tag/%E6%B3%80%E5%8B%92%E5%85%AC%E5%BC%8F/\)](https://blog.orzsiyuan.com/tag/%E6%B3%80%E5%8B%92%E5%85%AC%E5%BC%8F/)
- [多项式反三角函数 \(https://blog.orzsiyuan.com/tag/%E5%A4%9A%E9%A1%B9%E5%BC%8F%E5%8D%8D%E4%B8%89%E8%8D%8D/\)](https://blog.orzsiyuan.com/tag/%E5%A4%9A%E9%A1%B9%E5%BC%8F%E5%8D%8D%E4%B8%89%E8%8D%8D/)
- [背包 \(https://blog.orzsiyuan.com/tag/%E8%83%8C%E5%8C%85/\)](https://blog.orzsiyuan.com/tag/%E8%83%8C%E5%8C%85/)
- [区间 DP \(https://blog.orzsiyuan.com/tag/%E5%8C%BA%E9%97%B4-DP/\)](https://blog.orzsiyuan.com/tag/%E5%8C%BA%E9%97%B4-DP/)
- [HNOI \(https://blog.orzsiyuan.com/tag/HNOI/\)](https://blog.orzsiyuan.com/tag/HNOI/)
- [WC \(https://blog.orzsiyuan.com/tag/WC/\)](https://blog.orzsiyuan.com/tag/WC/)

([鸽巢原理](https://blog.orzsiyuan.com/tag/%E9%B8%BD%E5%B7%A2%E5%8E%9F%E7%90%86/) (<https://blog.orzsiyuan.com/tag/%E9%B8%BD%E5%B7%A2%E5%8E%9F%E7%90%86/>))

([树链剖分](https://blog.orzsiyuan.com/tag/%E6%A0%91%E9%93%BE%E5%89%96%E5%88%86/) (<https://blog.orzsiyuan.com/tag/%E6%A0%91%E9%93%BE%E5%89%96%E5%88%86/>))

([第二类斯特林数](https://blog.orzsiyuan.com/tag/%E7%AC%AC%E4%BA%8C%E7%B1%BB%E6%96%AF%E7%89%B9%E6%8D%A6) ([https://blog.orzsiyuan.com/tag/%E7%AC%AC%E4%BA%8C%E7%B1%BB%E6%96%AF%E7%89%B9%E6%8D%A6/](https://blog.orzsiyuan.com/tag/%E7%AC%AC%E4%BA%8C%E7%B1%BB%E6%96%AF%E7%89%B9%E6%8D%A6)))

([二项式定理](https://blog.orzsiyuan.com/tag/%E4%BA%8C%E9%A1%B9%E5%BC%8F%E5%AE%9A%E7%90%86/) (<https://blog.orzsiyuan.com/tag/%E4%BA%8C%E9%A1%B9%E5%BC%8F%E5%AE%9A%E7%90%86/>))

© 2020 Copyright 浙ICP备19008446号-1 (<http://www.beian.miit.gov.cn>)