

标签 Splay 下的文章

🏠 首页 (<https://blog.orzsiyuan.com/>) / Splay

「NOI 2005」维修数列 (<https://blog.orzsiyuan.com/archives/NOI-2005-Maintain-Sequence/>)

题目链接: BZOJ 1500 (<https://lydsy.com/JudgeOnline/problem.php?id=1500>)

请写一个程序，要求维护一个数列。一共有 m 个操作，支持以下 6 种操作：

操作	输入格式	说明
插入	INSERT pos tot c[1] c[2] ... c[tot]	在当前数列的第 pos 个数字后插入 tot 个数字： c_1, c_2, \dots, c_{tot} ；若在数列首插入，则 pos 为 0。
删除	DELETE pos tot	从当前数列的第 pos 个数字开始连续删除 tot 个数字。
修改	MAKE-SAME pos tot c	将当前数列的第 pos 个数字开始的连续 tot 个数字统一修改为 c 。
翻转	REVERSE pos tot	取出从当前数列的第 pos 个数字开始的 tot 个数字，翻转后放入原来的位置。
求和	GET-SUM pos tot	计算从当前数列的第 pos 个数字开始的 tot 个数字的和并输出。
求和最大的子列	MAX-SUM	求出当前数列中和最大的一段非空子列，并输出最大和。

数据范围： $1 \leq m \leq 2 \times 10^4$ ，任何时刻数列中最多含有 5×10^5 ，数列中任何一个数字均在 $[-10^3, 10^3]$ ，插入的数字总数不超过 4×10^6 个。

👤 Siyuan (<https://blog.orzsiyuan.com/author/1/>) © 2019 年 03 月 15 日

「算法笔记」Splay - 维护二叉查找树 (<https://blog.orzsiyuan.com/archives/Splay-1/>)

✓ Splay 是一种二叉查找树，它通过不断将某个节点旋转到根节点，使得整棵树仍然满足二叉查找树的性质，并且保持平衡而不至于退化为链。

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「算法笔记」Link-Cut Tree (<https://blog.orzsiyuan.com/archives/Link-Cut-Tree/>)

动态树问题，即要求我们维护一个由若干棵子结点无序的有根树组成的森林。要求这个数据结构支持对树的分割、合并，对某个点到它的根的路径的某些操作。

👤 Siyuan (<https://blog.orzsiyuan.com/author/1/>) 🕒 2019 年 02 月 08 日

「算法笔记」Splay - 维护序列 (<https://blog.orzsiyuan.com/archives/Splay-2/>)

Splay 是一种二叉查找树，它通过不断将某个节点旋转到根节点，使得整棵树仍然满足二叉查找树的性质，并且保持平衡而不至于退化为链。

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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

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