标签 Trie 下的文章

「Codeforces 633C」Spy Syndrome 2 (https://blog.orzsiyuan.com/archives/Codeforces-633C-Spy-Syndrome-2/)

> 题目链接：Codeforces 633C (https://codeforces.com/contest/633/problem/C)

Yash 研究出了一种新的密码技术。对于给定的句子，密码通过以下方法生成：

1. 将所有字母都变成小写。
2. 将每个单词分别反转。
3. 将句子里的空格全部删除。

现在 Yash 给你一个长度为 n 的加密后的句子 S 和一个长度为 m 的单词列表 w_i。请你帮助他找出任何一种可能的原始句子，使得句子里的单词都来自于单词列表。注意：任何给定的单词都可以多次使用。

数据范围：$1 \le |S| \le 10^4$，$1 \le m \le 10^5$，$1 \le |w_i| \le 10^3$，$\sum |w_i| \le 10^6$。

Siyuan (https://blog.orzsiyuan.com/author/1/) 2019 年 05 月 17 日

「十二省联考 2019」异或粽子 (https://blog.orzsiyuan.com/archives/PTSC-2019-Xor-Zongzi/)

> 题目链接：LOJ 3048 (https://loj.ac/problem/3048)

小粽是一个喜欢吃粽子的好孩子。今天她在家里自己做起了粽子。

小粽面前有 n 种互不相同的粽子馅儿，小粽将它们摆放为了一排，并从左至右编号为 1 到 n。第 i 种馅儿具有一个非负整数的属性值 a_i。每种馅儿的数量都足够多，即小粽不会因为缺少原料而做不出想要的粽子。小粽准备用这些馅儿来做出 k 个粽子。

小粽的做法是：选两个整数数 l, r，满足 $1 \le l \le r \le n$，将编号在 $[l, r]$ 范围内的所有馅儿混合做成一个粽子，所得的粽子的美味度为这些粽子的属性值的**异或**和。

小粽想品尝不同口味的粽子，因此它不希望用同样的馅儿的集合做出一个以上的粽子。

小粽希望她做出的所有粽子的美味度之和最大。请你帮她求出这个值吧！

数据范围：$1 \le n \le 5 \times 10^5$，$1 \le k \le \min\left\{\frac{n(n-1)}{2}, 2 \times 10^5\right\}$，$0 \le a_i \le 2^{32}-1$。

Siyuan (https://blog.orzsiyuan.com/author/1/) 2019 年 04 月 28 日

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