

标签 上下界网络流 下的文章

🏠 首页 (<https://blog.orzsiyuan.com/>) / 上下界网络流

「AHOI 2014」支线剧情 (<https://blog.orzsiyuan.com/archives/AHOI-2014-Branch-Line-Plot/>)

题目链接: LOJ 2226 (<https://loj.ac/problem/2226>)

宅男 JYY 非常喜欢玩 RPG 游戏, 比如仙剑, 轩辕剑等等。不过 JYY 喜欢的并不是战斗场景, 而是类似电视剧一般的充满恩怨情仇的剧情。这些游戏往往都有很多的支线剧情, 现在 JYY 想花费最少的时间看完所有的支线剧情。

JYY 现在所玩的 RPG 游戏中, 一共有 n 个剧情点, 由 1 到 n 编号, 第 i 个剧情点可以根据 JYY 的不同的选择, 而经过不同的支线剧情, 前往 K_i 种不同的新的剧情点。当然 K_i 如果为 0, 则说明 i 号剧情点是游戏的一个结局了。

JYY 观看一个支线剧情需要一定的时间。JYY 一开始处在 1 号剧情点, 也就是游戏的开始。显然任何一个剧情点都是从 1 号剧情点可达的。此外, 随着游戏的进行, 剧情是不可逆的。所以游戏保证从任意剧情点出发, 都不能再回到这个剧情点。

由于 JYY 过度使用修改器, 导致游戏的「存档」和「读档」功能损坏了, 所以 JYY 要想回到之前的剧情点, 唯一的方法就是退出当前游戏, 并开始新的游戏, 也就是回到 1 号剧情点。JYY 可以在任何时刻退出游戏并重新开始。

不断开始新的游戏重复观看已经看过的剧情很是痛苦, JYY 希望花费最少的时间, 看完所有不同的支线剧情。

数据范围: $1 \leq n \leq 300$, $0 \leq K_i \leq 50$, $\sum_{i=1}^n K_i \leq 5000$.

👤 Siyuan (<https://blog.orzsiyuan.com/author/1/>) ⏲ 2019 年 04 月 02 日

「算法笔记」网络流 - 上下界网络流 (<https://blog.orzsiyuan.com/archives/Network-Flow-Lower-Upper-Bound/>)

✓ 所谓上下界网络流, 就是在网络图中给每条边指定一个流量下界和上界。这类网络流问题有很多模型, 需要根据不同性质进行转化。

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2019/) 6051

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AK- 2892

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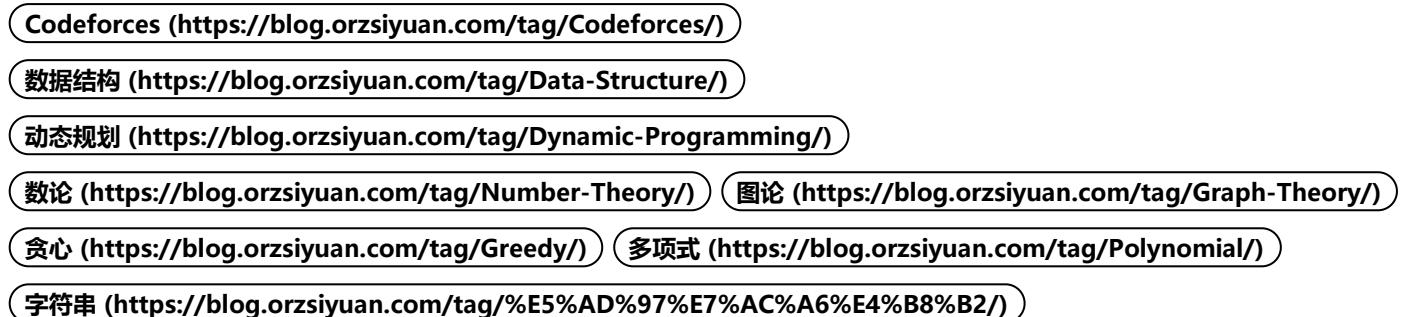
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Rap-
and-
Basketball/)

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



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