

标签 二分图 下的文章

🏠 首页 (<https://blog.orzsiyuan.com/>) / 二分图

「Codeforces 1139E」 Maximize Mex
(<https://blog.orzsiyuan.com/archives/Codeforces-1139E-Maximize-Mex/>)

题目链接: Codeforces 1139E (<https://codeforces.com/contest/1139/problem/E>)

在一所学校中有 n 个学生和 m 个俱乐部。俱乐部从 1 到 m 标号。每个学生拥有一个潜力值 p_i , 且属于第 c_i 个俱乐部。

刚开始每个学生都恰好属于一个俱乐部, 后来学校举办了一次技能测试, 这场测试持续了 d 天。每天上午都会有恰好一个学生离开他的俱乐部。一个学生一旦离开就不会再次加入任何一个俱乐部。每天下午, 每个俱乐部需要选出一个人, 以此组成一个 m 个人的队伍来参加比赛。一支队伍的能力为队员潜力值的 mex (即最小的未出现过的非负整数)。学校想知道每一天能组成的队伍的能力最大值。

数据范围: $1 \leq m \leq n \leq 5000$, $0 \leq p_i < 5000$, $1 \leq c_i \leq m$, $1 \leq d \leq n$ 。

👤 Siyuan (<https://blog.orzsiyuan.com/author/1/>) ⚪ 2019 年 04 月 03 日

「算法笔记」二分图多重匹配 (<https://blog.orzsiyuan.com/archives/Binary-Graph-Multiple-Matching/>)

✓ 在二分图最大匹配问题中, 每个点最多只能和一条匹配边相关联。但是二分图多重匹配中, 每个点可以多次匹配但是有匹配上限。

👤 Siyuan (<https://blog.orzsiyuan.com/author/1/>) ⚪ 2018 年 12 月 09 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

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 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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- (矩阵快速幂 (<https://blog.orzsiyuan.com/tag/Matrix-Fast-Power/>))
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- (Kruskal (<https://blog.orzsiyuan.com/tag/Kruskal/>) (HAOI (<https://blog.orzsiyuan.com/tag/HAOI/>)))
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- (扩展欧拉定理 (<https://blog.orzsiyuan.com/tag/%E6%89%A9%E5%81%95%E6%AC%A7%E6%8B%89%E5%AE%9A%E7%94%A8/>))
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- (多项式反三角函数 (<https://blog.orzsiyuan.com/tag/%E5%A4%9A%E9%A1%B9%E5%BC%8F%E5%8F%8D%E4%B8%89%E8>)
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