标签 匈牙利算法 下的文章

🏠 首页 (https://blog.orzsiyuan.com/) / 匈牙利算法

「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：$1 \le m \le n \le 5000$，$0 \le p_i < 5000$，$1 \le c_i \le m$，$1 \le d \le n$。

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

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