

# 中文标题

丛宇

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# Overview

1. Reachability Game

2. Reachability Game2

3. Reachability Game3

# 可达性博弈

Reachability Game

Reachability Game2

Reachability Game3

中文测试

## math test

Reachability Game

Reachability Game2

Reachability Game3

- How to find  $T_1$

$$T_1 = \{v \in T : v \text{ can't reach } T \cup \text{Reach}(T, 0)\}$$

$$T_1 = \{v \in T : v \text{ can only reach } V \setminus \{T \cup \text{Reach}(T, 0)\}\}$$

P1 wants to reach  $V \setminus \{T \cup \text{Reach}(T, 0)\}$ , P0 tries to avoid  $V \setminus \{T \cup \text{Reach}(T, 0)\}$ .

compute  $\text{Reach}(V \setminus \{T \cup \text{Reach}(T, 0)\}, 1)$

- Time complexity

$O(m)$  to find  $T_i$ , at most  $O(n)$  times. Worst-case  $O(nm)$ .

# references

Reachability Game

Reachability Game2

**Reachability Game3**