

# Theory of Computer Games

---

## Homework # 8

311605004

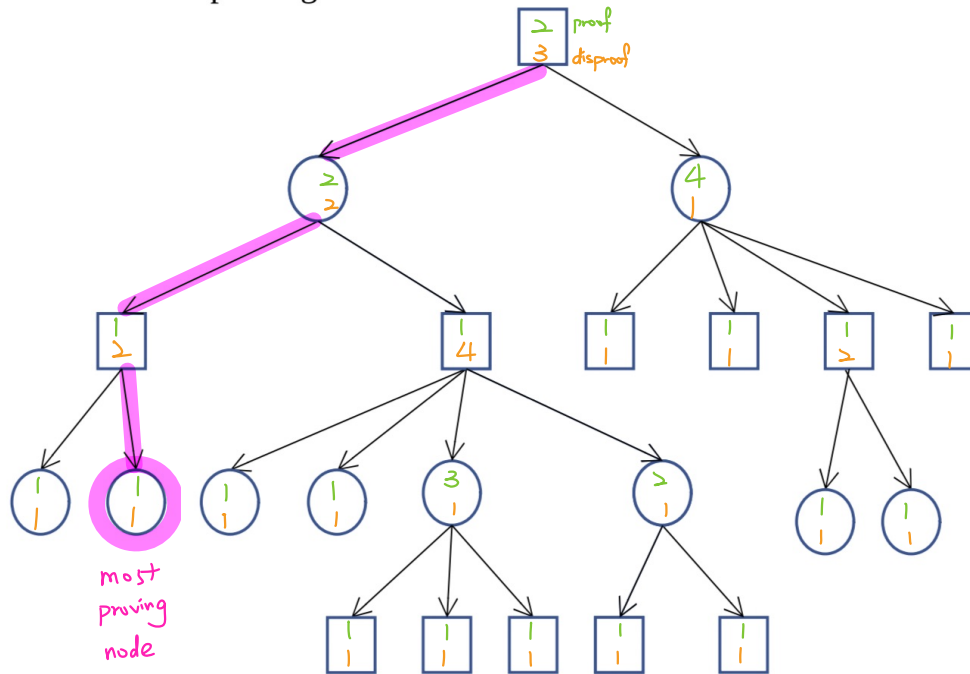
劉子齊



1. For the following search tree, assume that proof/disproof numbers of all leaf nodes are 1/1.

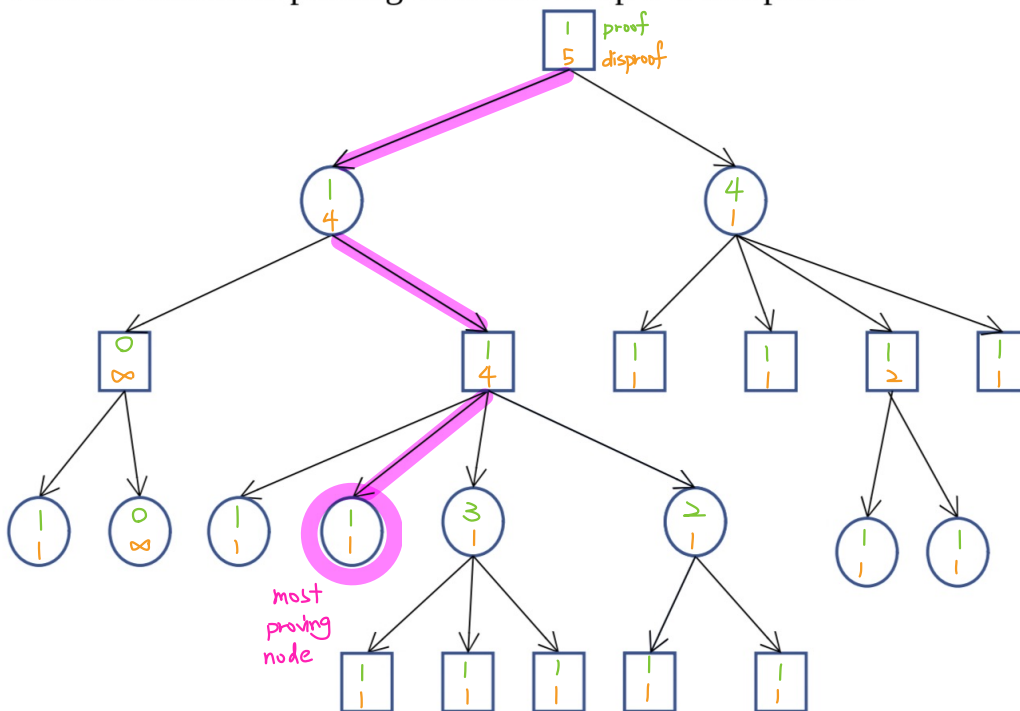
a. Show proof/disproof numbers on each node.

b. Find the most proving node.



c. Assume that the node found in b is a win (0/∞). Show proof/disproof numbers on each node after evaluating it.

d. Find the next most proving node after Step c is completed.



- e. Assume that the node found in d is a loss ( $\infty/0$ ). Show proof/disproof numbers on each node after evaluating the node.
- f. Find the next most proving node after Step e is completed.

