Two players A and B play the following game. Starting with a stack of rows of squares, they take turns with player A first in removing squares. In each turn the player

- identifies one row with at least one □
- remove any number of □ from that row (all if so desired), but do not remove them from any other row.

The player who removes the last square wins.

**Exercise.** Design a strategy to win this game, separately for each of the five initial configuration below. At each one, would you like to be player A or player B?

Is there a general strategy that works for any initial configuration of the squares?

Discuss at recitation, if there is time. If you work on this problem, please write up the explanation/solution (1 page max), and submit on paper with your name and date on it.