Solving PackIt!

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PackIt! is a 2-player game played on an $n \times n$ board where on the ith turn you play a rectangle of area i or $i+1$. As in normal play, you win if you move last. The game strategy is surprisingly complex and is unsolved for $n \geq 10$. We conjecture that for games of odd board size, Player 1 wins, and for even board size, Player 2 wins. This conjecture has been verified for $n < 10$. We talk about the computation of small cases and the things we know about the strategy. Here's a link to the game https://packit.surge.sh/

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