The most win board:

[[18 5 7] [9 8 16] [7 10 12]]

The win time is: 31176

Summary of the result: out of 10,000 games of 10,000 boards, the boards with most winning time is 31176, and the board as vector is [18,5,7,8,8,16,7,10,12]

Please see more details in code with comment.