

Department of Mathematics
Maths 190 and Maths 190G
Playing Dodge Ball

This is a game for two players. Player 1's goal is to produce a set of sequences (of X's and O's), any one of which matches the single sequence of Player 2. Player 2's goal is to produce a sequence that is not anywhere in the list of Player 1.

Start the game by deciding who is Player 1 and who is Player 2. Player 1 begins by putting a sequence of X's and O's in the first row of the Player 1 game board (see below). Player 2 responds by filling just one box of the Player 2 game board (trying to 'dodge' the sequence of Player 1). Player 1 then enters another sequence, after which Player 2 fills in the second box (dodging both sequences of Player 1). Play continues until all sequences are complete. Player 1 wins if any row matches the sequence of Player 2. Player 2 wins if there is no match.

GAME 1:

Player 1's game board

1						
2						
3						
4						
5						
6						

Player 2's game board

1	2	3	4	5	6

GAME 2:

Player 1's game board

1						
2						
3						
4						
5						
6						

Player 2's game board

1	2	3	4	5	6