

Rules:

1. Player takes turns rolling a 6-sided die, moving the matching cube.
2. If the matching cube is already gone, choose the next piece with the highest or lowest number.
3. Valid moves for top-left player: right, down, diagonal down and to the right.
4. Valid moves for bottom-right player: left, up, diagonal up and to the left.
5. Any cube which already lies within the target square is removed from the board.

Winning conditions:

- Get one of the 6 cubes to the opponent's far corner square
 - OR: remove all of the opponent's cubes from the board.
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Functions:**Piece class:**

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Board class:

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playNDE.py (= main.py): (DONE/TODO)

(scott) Initialize board and pieces

(ronan) roll_dice():

Return: random number (1-6)

(ava) get_next_player():

Arguments: current player

Return: next player

(ronan/ava) check_piece_presence():

Arguments: Board_position

Return: boolean

(ronan) get_next_piece():

Arguments: current piece

Return: next_highest or next_lowest piece

(scott/ronan/ava) move_piece():

Arguments: moving piece

(scott) remove_piece():

Arguments: piece at the target board position

(scott) print_board():

Arguments: board

(ava) check_win_condition():

TODO: count #pieces == 0?

Return: boolean, winner

(ronan/ava) is_move_valid()

Arguments: new_board_position

Return: boolean

AI class:???

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