Programming Languages Assignment: Modified Rule (version 2)

Eric Laermans (eric.laermans@UGent.be)

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1 Modified Initialisation of the Game

At the start of the game, after Player2 has chosen the size of the board (N rows by M columns, **where both N and M shall be at least 5**), Player1 may choose to eliminate a number (K) of pawns from each player's initial configuration of M pawns.

- $K < M/2$ (for a 5x5 board, this means at most 2 pawns can be eliminated from each player's initial configuration)

- Player1 and Player2 will then alternately remove 1 of their pawns, until each player has removed K pawns: Player1 first removes a white pawn, then Player2 removes a black pawn (repeated K times). This is shown in the following figures for a 5-by-5 board ($M = 5$), with $K = 2$.

- After this modified game initialisation, the game starts following the ordinary rules
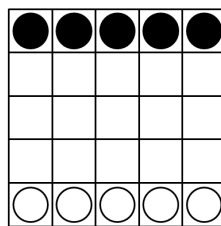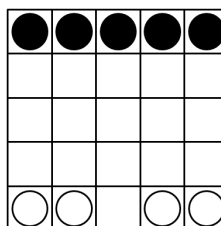

Figure 1: Initial configuration 5-by-5 board

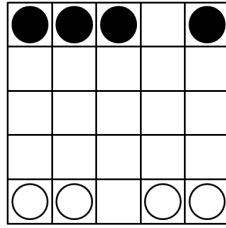Figure 2: White player removes first pawn
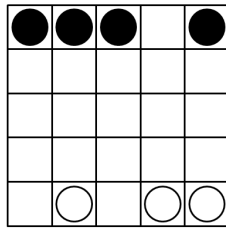
Figure 3: Black player removes first pawn
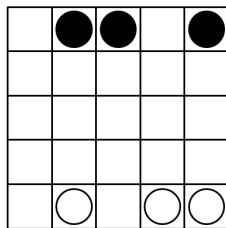

Figure 4: White player removes second pawn

Figure 5: Black player removes second pawn