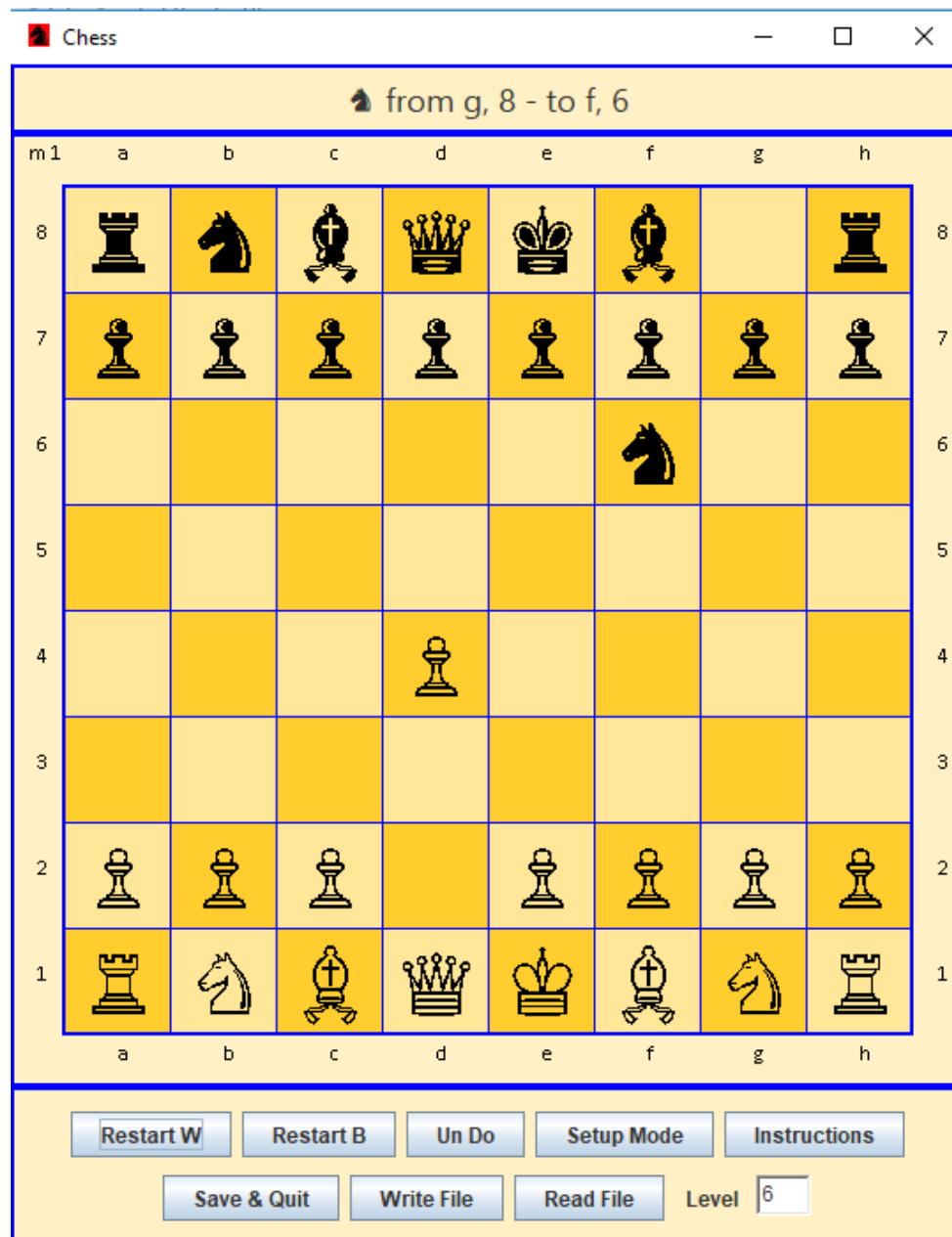# Instructions for Chess

How to Play

To play basic chess against the computer drag and drop pieces to the square where you want to place them. By default the computer plays black so you must start the game by moving a white piece. The computer will then move a black piece and display the move at the top of the board. After each pair of moves the move counter near the top of the board will advance by 1. The computer has a large collection of opening moves. If play advances along a standard line it will

pick a standard move and respond quickly. When play diverges from a standard opening the computer searches for its best move. This can take some time as the computer searches through a large tree of possible moves and human responses.

Controls

The controls at the bottom of the board allow various options.

Restart W

Pressing this button will restart the game with the human playing white.

Restart B

Pressing this button will restart the game with the human playing black and the computer will make the first move.

Un Do

Pressing this button will cancel the last pair of moves. Pressing Un Do also switches the computer out of the mode of considering stored opening moves. The computer will now use its search algorithm to select future moves.

Setup Mode

Pressing this button toggles in and out of *set up* mode. In *set up* mode you can move pieces to any square you wish. You can remove pieces by clicking on them and not moving them to another square. You can leave *set up* mode by clicking the Set Up Mode button again. When you leave set up mode automatic play will resume with the human player responsible for the next move with either a white or a black piece as selected by whether Restart B has been pressed to start the game.

Instructions

Pressing this button will display these instructions.

Save & Quit

Pressing this button will save the game in its current state and close the chess program. Opening the chess program will restore the game.

Write File

Pressing this button will allow you to save the game in its current state in a file with a name that you choose.

Read File

Pressing this button presents a menu of saved games that you can choose from.

Level

Level adjusts the depth of search for the algorithm that the computer uses to select its move. A level of 6 is the default. Smaller values of level increase the speed of play and make the computer easier to beat. Levels above 7 are not allowed. At levels above 7 the computer requires an excessive amount of time to compute a move.