- How does your program calculate the utility of each terminal state? Describe briefly.

  For the terminal state, which if one of the chess are all been eliminate, where the expected value return positive infinity or negative infinity. Then the program will end and print the final state.

- How does your program estimate the utility of each non-terminal state? Describe your evaluation function in a few sentences.

  The red chess is maximum player, and the black chess is minimum player. For each non king chess its basic values 1, and for each king chess its basic values is 2, and while the chess is in the middle of the table, the value of it increase 0.1

- Does your program perform other optimizations, such as node ordering or state caching? If so, describe each optimization in a few sentences.

  no