

Is this the longest Chess game?

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1 April 2020

1 Introduction

In my experience, most chess games end in a few moves. If you want to play a lot of chess moves, you just play a lot of chess games. Still, there are games that seem to go on foreverrrrrrrrr. Perhaps the players are trying to *lull each other into a false sense of security while waiting for the moment to strike*, or perhaps they are stalling in a game of *Chess to the Death*.

Although many people “know how to play” chess, almost nobody fully understands the rules of chess, most authoritatively given by FIDE [1]. (See for example Figure 1 for a minor chess scandal that erupted in 2019 over an obscure corner case in the rules.) Several of these “deep cuts” have to do with game-ending conditions that were introduced to avoid interminable games.

Many chess moves are reversible (e.g. moving the knight forward and back to its starting position [4]), so informal games of chess could last forever with the players repeating a short cycle. In AD 1561, Ruy López added the “fifty-move rule” to prevent infinite games.¹ This rule (detailed below) ensures that irreversible moves are regularly played, and so the game always makes progress towards an end state. Another rule, “threefold repetition” also guarantees termination as a sort of backup plan (either of these rules would suffice on its own).

So, chess is formally a finite game. This is good for computer scientists, since it means that chess has a trivial $O(1)$ optimal solution. This allows us to move onto other important questions, like: What is the longest chess game? In this paper I show how to compute such a game, and then gratuitously present all of its 17,697 moves. Even if you are a chess expert (“chexpert”), I bet you will be surprised at some of the corner cases in the rules that are involved.

Speaking of rules, let’s first detail the three main rules that limit the length of the game. These rules cause the game to end in a draw (tie) when certain conditions are met.

1.1 The seventy-five move rule

The “fifty-move rule,” [8] as it is usually known, requires that an irreversible move is played at a minimum pace. For the sake of this rule, irreversible moves are considered captures and pawn moves,² including promotion and *en passant* (which is also a capturing move) but not the movement of a previously promoted piece. Specifically [1]:

9.3. The game is drawn, upon a correct claim by the player having the move, if:

- he writes his move on his scoresheet and declares to the arbiter his intention to make this move, which shall result in the last 50 moves having been made by each player without the movement of any pawn and without any capture, or
- the last 50 consecutive moves have been made by each player without the movement of any pawn and without any capture.

Note that what is provided here is the option for a player to *claim* a draw (and the two provisions essentially allow either player to claim the draw at the moment of the 50th move). If neither player is interested in a draw, either because they think their position is still winning, or are just trying to create the longest ever chess game, the game legally continues. That’s why what is actually relevant for this paper is provision 9.6, which defines a draw:

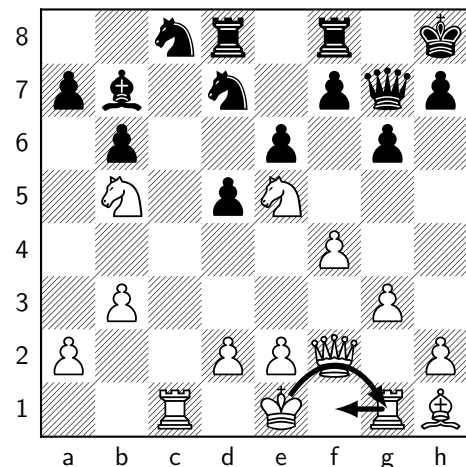


Figure 1: (*Nepomniachtchi – So, 2019.*) White to move during a speed Chess960 (aka “Fischer Random”) tournament. In this variant, the pieces start in different positions, but castling rules are such that the king and rook end up on the same squares that they would in normal chess. As a result, it is possible for the king or rook to not move during castling, or for the destination square for the king to already be occupied by the rook. Attempting to castle in the position depicted, grandmaster Ian Nepomniachtchi first touched the rook to move it out of the way. However, piece-touching rules require that when castling, the player first moves the king (and “Each move must be played with one hand only”); but how? The rook is occupying g1! One commenter suggested tossing the king into the air, then sliding the rook to f1 while the king is airborne, and then watching the king land dead center on its target. The arbiter required Nepo to make a rook move instead, but this was later appealed, and the game replayed.

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¹This rule only applied to games started after its introduction, so it is possible that some pre-1561 games are still in progress and may never end.

²Other irreversible moves include: Castling, moving a piece so as to lose castling rights, and declining to capture *en passant* (such capture must be made immediately, so if the option is not taken, it cannot be regained). The fifty-move rule could be soundly expanded to include these, but, that’s just like, not the rule, man.

9.6. If one or both of the following occur(s) then the game is drawn:

...9.6.2. any series of at least 75 moves have been made by each player without the movement of any pawn and without any capture. If the last move resulted in check-mate, that shall take precedence.

Draws after 75 moves (per player, so really 150 moves) are compulsory.

Interestingly (at least as interesting as anything in this dubious affair) it is known that some otherwise winning endgame positions require more than 50 moves to execute (Figure 2). The rules of chess have at various times allowed for longer timers in such known situations, but were later simplified to the fixed 50 (and 75) move limit.

1.2 Fivefold repetition

The 75-move rule is rarely applied in practice, but its counterpart, “threefold repetition” [9] is often the cause of draws in modern chess. This rule states that if the same position appears three times, the players can claim a draw:

9.2.2. Positions are considered the same if and only if the same player has the move, pieces of the same kind and colour occupy the same squares and the possible moves of all the pieces of both players are the same. [...]

Like the 75-move rule, this rule has an optional version (upon three repetitions) and a mandatory one in 9.6:

[The game is a draw if ...]

9.6.1. the same position has appeared, as in 9.2.2, at least five times.

Fascinatingly (at least as fascinating as anything in this questionable undertaking), this rule used to require *consecutive* repetition of moves. However, there exist infinite sequences of moves with no consecutive n -fold repetition. For example, in the starting position, white and black can move either of their knights out and back. Let **0** be ♖c3 ♜c6 ♘b1 ♞b8 (queenside knights move, returning to the starting position) and **1** be ♗f3 ♡f6 ♙g1 ♠g8 (kingside). Now the Prouhet–Thue–Morse sequence [7] 0110100110010110...³ can be executed. This infinite sequence is cube-free (does not contain SSS for any non-empty string S) [6], and therefore never violates the consecutive threefold repetition rule [2].

Many implementations of chess ignore these rules or treat them incorrectly. Implementation of the seventy-five move rule simply requires a count of how many moves have transpired since a pawn move or capture, but programs typically do not force a draw after 75 moves. Repetition requires more work, since the program must keep track of each of the states reached since the last irreversible move. There are also some corner cases, such as ambiguity as to whether the starting position has “appeared” before the first move [4]. The ubiquitous FEN notation for describing chess positions does not even include any information about states previously reached.

³Let s_0 be the string “0”, then s_i is $s_{i-1}\overline{s_{i-1}}$ where $\overline{0} = 1$ and $\overline{1} = 0$.

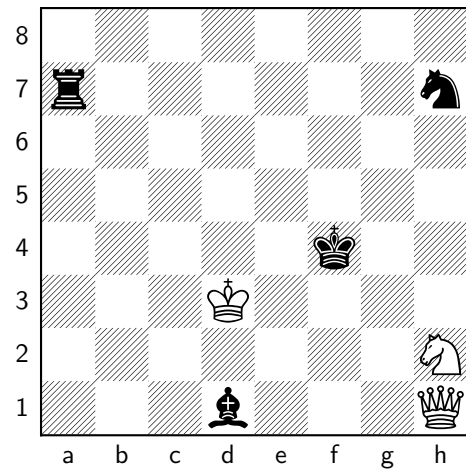


Figure 2: Black to move and mate in 545 moves (!). The position was found (by Zakharov and Makhnichev [10]) while building an endgame tablebase of all possible 7-piece positions. Of course, the game ends prematurely in a draw because of the 75-move rule.

1.3 Dead position

The informal version of this rule (“insufficient material”) states that if neither side has enough pieces to mate the opponent (for example, a king and bishop can never mate a bare king) then the game is drawn. Again, the formal rule is more subtle:

5.2.2. The game is drawn when a position has arisen in which neither player can checkmate the opponent’s king with any series of legal moves. The game is said to end in a ‘dead position’. This immediately ends the game...

This clearly includes the well-known material-based cases like king and knight vs. king, but it also surprisingly includes many other specific positions, especially those with forced captures (Figure 3).

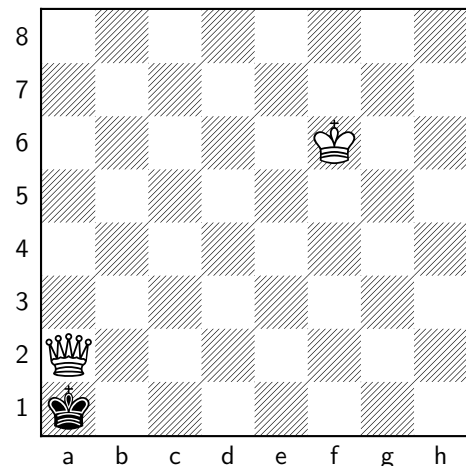


Figure 3: Black to move and draw in 0 (!). Most players and even chexperts believe that the only legal move is Kxa2, and that the game then ends in a draw with “insufficient material.” However, this game is *already over*. Since neither black nor white can win via any series of legal moves, by rule 5.2.2 the game immediately ends in a ‘dead position’. (Although see Section 1.3.1 for possible ambiguity in this rule.)

The insufficient material rule is curious in that it requires non-trivial computation to implement. In order to know whether the position is a draw, an implementation needs to be able to decide whether or not a series of moves that results in checkmate exists. Note that this is not nearly as bad as normal game tree search because the two sides can collaborate to produce the mate (it is not a $\exists\forall\exists\forall\dots$ but rather $\exists\exists\exists\exists\dots$). Still, such “helpmates” can still be quite deep (dozens of moves) and are interesting enough to be a common source of chess puzzles. Proving the non-existence of a helpmate can be very difficult indeed (Figure 4).⁴

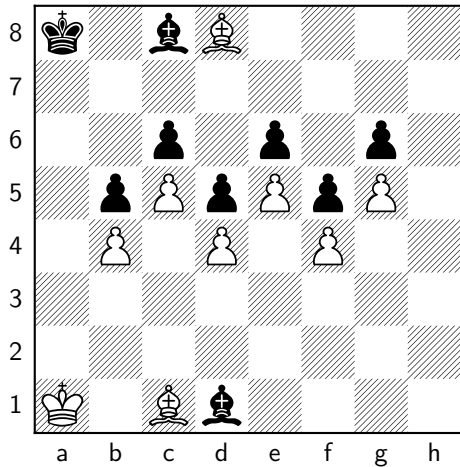


Figure 4: Thinking of implementing the rules of chess? To be correct, you’ll need your program to be able to deduce that no helpmates are possible in this position and thus the game is over. Stockfish rates this as +0.4 for white, even searching to depth 92. (Position is due to user **supercat** on Chess StackExchange.)

1.3.1 Ambiguity

Moreover, this rule contains some ambiguity. The phrase “any series of legal moves” is usually taken to mean something like, “the players alternate legal moves and follow most of the normal rules of chess.” In my opinion it is hard to justify an interpretation like this.

First, the rules specifically define “legal move”, with 3.10.1 saying “A move is *legal* when all the relevant requirements of Articles 3.1 – 3.9 have been fulfilled.” These requirements describe the movement of each piece as you are familiar (e.g. 3.3 “The rook may move to any square along the file or the rank on which it stands.”). They also disallow capturing one’s own pieces, or moving when in check. However, they allow as legal some moves that would otherwise be prohibited, like capturing the opponent’s king (this is excluded by 1.4.1, outside the definition of “legal”). Capturing the opponent’s king is generally not useful for demonstrating that checkmate is possible (Figure 5), so this is mostly a curiosity.

Second, what is a “series” of legal moves? It seems completely consistent to allow the white player to make several legal moves in a row, for example. The rules about alternating moves are again outside the definition of “legal move” and “series” is never defined.

We could instead interpret “any series of legal moves” as “taking the entirety of the rules of chess, any continuation of the game that ends in checkmate for either player.” I like this better, although it creates its own subtle issues. For example, should the position

⁴Perhaps an enterprising reader can prove that for generalized chess, it is NP-hard to decide whether the game has ended due to this rule?

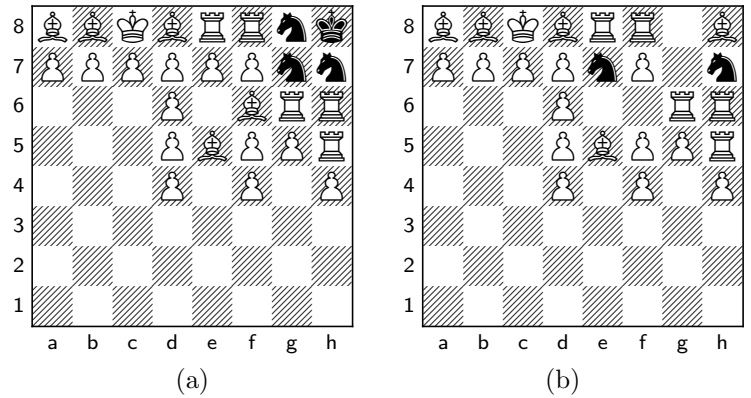


Figure 5: In this contrived and impossible position (a), white has many easy paths to mate. All of black’s pieces are pinned. There is also a “series of legal moves” where black mates white: $\text{fxg7++ fxh8?? Nxg7++}$. Capturing the king (by moving twice in a row) is a “legal move” (despite not being allowed by other rules), and doing so unpins black’s knight to deliver a smothered mate (b). Of course, abuse of this dubious technical possibility doesn’t change the status of the position, since we already have a mating sequence by white.

be considered dead if there is a checkmating sequence, but it requires entering a fivefold repetition or exhaustion of the 75-move rule? If so, this would end the game prematurely, and so it has implications for the longest possible game (Section 2.1). Even more esoterically, this interpretation causes the rule to be self-referential: A sequence must also be allowed by the rule being defined. A normal person would take the “least fixed point” (in the Kripke sense [3]) of this self-referential definition (fewest positions are drawn). But it is also consistent to interpret it *maximally*—in which case the longest chess game is zero moves!

For completeness, note that there are other routes to a draw (stalemate, draw offers) which we can ignore; it is easy to avoid these situations when generating the longest game.

2 Generating the longest game

It is generally not hard to avoid repeating positions, so the main obstacle we’ll face is the 75-move rule. Let’s call an irreversible move that resets the 75-move counter a *critical move*; this is a pawn move or capturing move (or both). The structure of the game will be a series of critical moves (I will call these “critical” moves) with a maximal sequence of pointless reversible moves in between them. If we execute the maximum number of critical moves and make 149 moves (just shy of triggering the compulsory version of the 75-move rule) between them, then this will be fairly easily seen as a maximal game.

In fact, for most positions, it is easy to waste 149 moves and return to the exact same position. So, the strategy for generating the longest game can mostly be broken into two tasks: Make a game with a maximum number of critical moves (it can also contain other moves) and then pad that game out to maximum-length excursions in between its critical moves.⁵

⁵The first phase was constructed by hand. Software for inserting excursions and checking the result is available at: sf.net/p/tom7misc/svn/HEAD/tree/trunk/chess/longest.cc

2.1 Maximal critical moves

Critical moves are pawn moves and captures. There are 16 pawns, each of which has 6 squares to move into before promoting, so this is 16×6 critical moves. There are 14 capturable pieces, plus the 16 pawns (they can be captured after promoting); capturing them nets an additional $16 + 14$ critical moves for a total of 126. Each critical move can be made after a maximum of $75 + 74$ reversible moves, giving $(75 + 74 + 1) \times 126 = 18900$ moves. The final move would capture the last piece, yielding a draw due to the remaining kings being insufficient material (“dead position”). This is our starting upper bound.

We will not quite be able to use the entire critical move budget. If pawns only move forward in single steps, they will eventually get blocked by the opposing pawn on the same file. Pawns can move diagonally off their starting file only by capturing. We have plenty of capturing to do anyway, so this is no problem. With four captures per side, the pawns can be doubled, with a clear route to promotion, like in Figure 6.

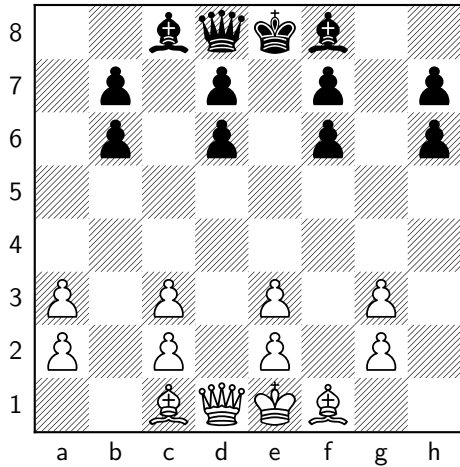


Figure 6: One way to clear the promotion routes for all pawns with eight captures.

However, each of these captures is *both* a pawn move *and* a capturing move. This means that we lose $4 + 4$ critical moves off our total budget. $150 \times (126 - 8) = 17700$ is the new upper bound.

Parity. If a critical move (such as a pawn move) is made by white, then the first non-critical move is made by black. The players alternate these pointless moves until black has made 75 and white 74. Now it is white’s move, and white must make a critical move or the game ends due to the 75-move rule. If instead we wanted black to make the next critical move, this would happen after black has made 74 and white 74 non-critical moves. Any time this happens we lose one move against the upper bound. So, we want to minimize the number of times we switch which player is making the critical moves. Obviously we must switch at least once, because both black and white must make critical moves. This reduces the upper bound to 17699.

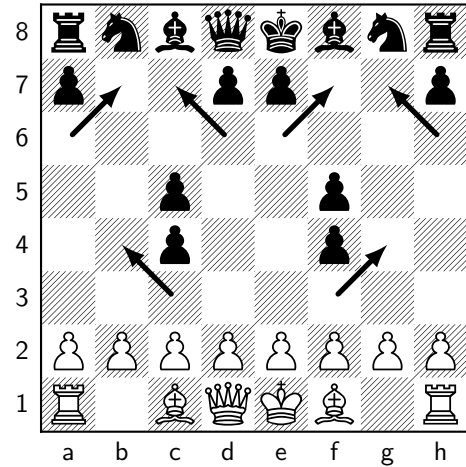
Starting condition. The first critical move should be made by black. The starting position (with white to move) is analogous to the situation just described, as if black has just made a critical move, and it’s white’s turn. White will play 75 reversible moves,

black plays 74, and the 150th move is black making the first critical move.

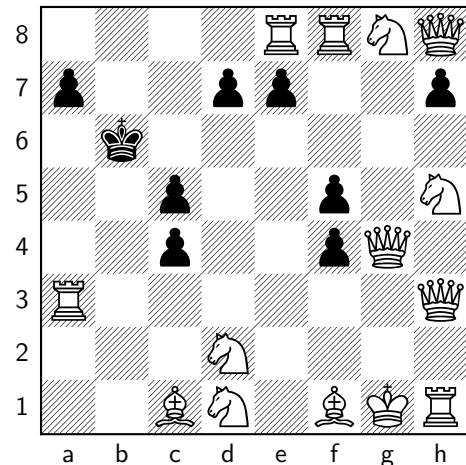
Note that white is quite constrained during this beginning phase, as pawn moves are critical moves and must be avoided. Only the white knights can escape the back rank. When we try to insert 149 pointless moves, we’ll only be able to move the knights and rooks, and doing this 75 times must leave e.g. one of the knights on an opposite-colored square.⁶ So we have to be a little careful about the position in which we make black’s first critical move.

Since white can only free their two knights, these are the only pieces that can be captured by black pawns. So it will not be possible for black to double four sets of their pawns as in Figure 6. This would require white to have a phase of critical moves to free pieces to capture, then black again to finish doubling pawns, then white again to promote its freed pawns. Each switch costs one move off the naïve max. We can be more efficient with an asymmetric approach.

Black’s first phase of critical moves instead results in this:

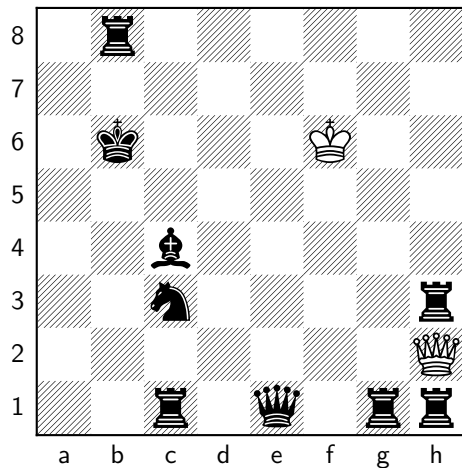


The white b and g pawns have a clear route to promotion. White can free each of the remaining 6 pawns with a single capture. Between this and black’s two pawn captures, this is the optimal 8 pawn moves that are also captures. Since black has plenty of freed pieces, white can promote all of their pawns during their own phase of critical moves, resulting in:

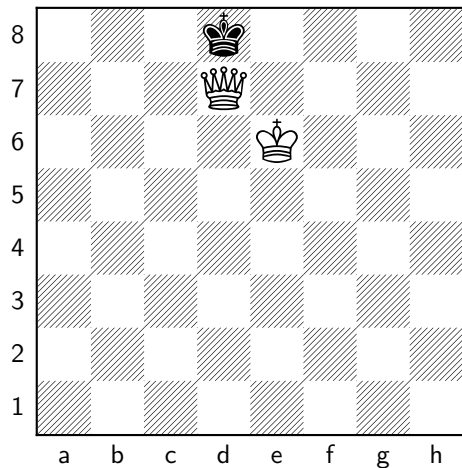


Now black can promote all of its pawns and capture white’s pieces. We actually leave the white queen; this turns out to be essential:

⁶Knight moves always change the color of the knight’s square, and same for rook moves constrained to the a1/b1 or g1/h1 squares.



Finally, white captures all of black's pieces, and mates the black king:



Since we switch which color is making critical moves a total of three times, we must come shy of the naïve maximum of 17,700 moves by three. This gives us an upper bound of 17,697 for this approach, which we will be able to achieve.

Ending condition. The way this game ends is subtle for several reasons. First, note that we left the white queen on the board and used it for mate. It is required that white be the one mating for parity reasons, similar to the reason black must make the first critical move. Since white makes critical moves in the last phase, black leads on non-critical moves; at the moment white makes the checkmating move, black has made 75 non-critical moves, and white 74. White's 75th move mates.

But doesn't this trigger the 75-move rule? No, this rule (9.6.2; Section 1.1) has a special exception for checkmate: "If the last move resulted in checkmate, that shall take precedence." Essentially, we can treat checkmate as a type of critical move.

Why not capture the white queen too? This would be a critical move, but once two kings remain, the game ends immediately in a draw. So there is no length advantage here over checkmate. In fact, attempting to capture may *shorten* the game: Consider the position in Figure 3 where black is *forced* to capture the queen. This game is over prior to the capture, so this is shorter than the checkmating sequence! Even if the king had an escape square, it is arguable (Section 1.3.1) that the game is over in any case: There is no "series of legal moves" that leads to mate. Either the king captures the queen (and then clearly no mate is possible with just the two kings) or the king escapes, but in doing so plays the 75th non-critical move, and triggers a draw by the 75-move rule.

The most foolproof way to ensure that mate is always possible is for the game itself to end in mate. This sidesteps any ambiguity

about the way the 75-move condition should be interpreted, as well.

2.2 Inserting excursions

The game described in Section 2.1 has 118 critical moves in 289 total moves. There is some inefficiency between the critical moves, but this doesn't matter since we are trying to generate a long game anyway. In fact, the next step will be to add *as much inefficiency as possible* in between the critical moves.

Each "critical section," which is the series of moves ending in a critical move, can be treated independently. If black ends the section with a critical move, then we want 75 + 74 non-critical moves to be played, and then black's critical move. For white, of course, 74 + 75. There are many ways we could try to make these 149 moves; we don't even have to use the moves that are already there as long as we end up in the right position to make the critical move. But a simple approach suffices.

For each critical section, we loop over all of the positions encountered, and attempt inserting excursions that return us to the same position but waste moves. There are two types of excursions we try: Even excursions (each player makes two moves) and odd (each player makes three moves).

Even excursions. This four move sequence moves two pieces of X_1 and X_2 of opposite colors. X_1 moves from s_1 to d_1 then X_2 from s_2 to d_2 , then X_1 moves from d_1 back to s_1 , and X_2 from d_2 back to s_2 . Easy. Any piece can perform this maneuver other than pawns (which would be critical moves anyway) as long as there are legal squares (considering check, etc.). All of s_1 , d_1 , s_2 , d_2 must be distinct. No shorter excursions are possible.

Odd excursions. This is the straightforward extension to three squares ($s_i \rightarrow m_i \rightarrow d_i \rightarrow s_i$), for a six-move sequence. The squares for each piece must be distinct but it is possible for e.g. m_2 to equal s_1 . Knights cannot perform this trick; each move changes the color of the square the knight sits on, which causes a contradiction with a cycle of length three. All other pieces can do it with sufficient room. The king, for example, can move horizontally, then diagonally, then vertically back to its starting square.

Note that odd excursions are not possible early in the game (prior to white moving any pawns), because even when the knights are free, the rooks only have two squares (and thus the same color parity argument applies as knights). Some opportunity can be created by having a black knight capture one of white's bishops. Fortunately, we do not need any odd excursions at this point in the game.

We find excursions by just looping over possible moves that satisfy the criteria, prioritizing odd excursions if the target (divided by two) is odd. In order to avoid triggering the fivefold repetition rule, we also keep track of all of the positions encountered, and never enter a position more than two times. (Here we avoid even threefold repetition.) It is not necessary to look beyond the critical section, because critical moves make it impossible to return to a prior position.

This process is not at all guaranteed to work; it may fail to fill the critical section. Indeed, as discussed in Section 2.1, we must have at least one move of slack whenever we switch from a critical move by one player to the other. In practice this approach succeeds readily, and manages to waste 149 moves in each critical section of the input game, save for the three times that parity requires one move of slack. The full game is uselessly included in a very tiny font in Section 4.

3 Reader’s guide

The paper demonstrates a game with three “switches” of which side is making critical moves; each costs a move against the naïve maximum due to parity. We clearly need at least one switch (both sides must make critical moves), but is it possible to do it with only two? If not, can this lower bound be proved?

The game given is believed to be maximal, as measured in the number of moves. But, other metrics exist. For example, the letter g is slightly wider than f, so moving ♖g3 is *typographically* longer than ♙f1. PGN format itself can be stretched by making moves that need to be disambiguated (♟ff7 means “move the ♟ on the f file to f7” (not “the giant sword from Final Fantasy 7”, as many believe)) or checking the opponent’s king for a bonus +. Some moves are longer in terms of distance traveled; moving the queen or bishop between opposite corners is $\sqrt{2}\times 7$ squares! What is the longest game according to these or other metrics?

In *Chess*, it is impossible to capture your own pieces. How does this limitation apply to your own life?

In many games of *Chess*, the black and white pieces are found to disagree. What does this say about society?

How do you feel about the ending of the game? Is it disappointing that the result is not symmetric (i.e. a draw), or elegant that it demonstrates its own avoidance of the “dead position” rule? Was it what you expected?

The character called ♖ often plays an important role in the story. How would you describe her personality? How does she develop over the course of the game?

Is this the longest Chess game? is the author’s sixth paper about chess for SIGBOVIK, but it is widely believed that nobody wants to read this kind of thing. What is wrong with him?

4 A longest game

There are jillions of possible games that satisfy the description above and reach 17,697 moves; here is one of them.⁷ Critical moves are marked with **[bold]**. Note that in the standard PGN format for listing games, move numbers are “full moves” consisting of a move by white and then black, whereas we use “move” in this paper to mean “half-move”; an individual move by one of the players. Thus the game ends during full move 8,849, one half of 17,697.

1. ♠a3 ♙f6 2. ♠c4 ♙g4 3. ♠a5 ♠e3 4. ♠b3 ♠a6 5. ♠c5 ♠f5 6. ♠e6 ♠d4 7. ♠c5 ♠e6 8. ♠b3 ♠b8 9. ♠c5 ♠f4 10. ♠a6 ♠h3 11. ♠c5 ♠a6 12. ♠b3 ♠e5 13. ♠f3 ♠a6 14. ♠c5 ♠a6 15. ♠g5 ♠h3 16. ♠ge4 ♠f1 17. ♠a4 ♠b8 18. ♠g3 ♠c6 19. ♠c5 ♠e5 20. ♠f5 ♠h3 21. ♠e6 ♠g1 22. ♠c5 ♠g4 23. ♠g3 ♠e5 24. ♠ce4 ♠c6 25. ♠c5 ♠h3 26. ♠a4 ♠g1 27. ♠f5 ♠b8 28. ♠g3 ♠h3 29. ♠c5 ♠g1 30. ♠ac5 ♠a6 31. ♠a4 ♠h3 32. ♠ac5 ♠f4 33. ♠g5 ♠h3 34. ♠b3 ♠g1 35. ♠c5 ♠b4 36. ♠f3 ♠a6 37. ♠c5 ♠h3 38. ♠f3 ♠b4 39. ♠b3 ♠a6 40. ♠a5 ♠c5 41. ♠b3 ♠a5 42. ♠g1 ♠h3 43. ♠a5 ♠a6 44. ♠c5 ♠b4 45. ♠c5 ♠a6 46. ♠a4 ♠b8 47. ♠c5 ♠g5 48. ♠a6 ♠h3 49. ♠b4 ♠f4 50. ♠a6 ♠g6 51. ♠c5 ♠f4 52. ♠b3 ♠e6 53. ♠c5 ♠a6 54. ♠b3 ♠d4 55. ♠c5 ♠b4 56. ♠e6 ♠a6 57. ♠f4 ♠f5 58. ♠e1 ♠h4 59. ♠c5 ♠f5 60. ♠a4 ♠e3 61. ♠c5 ♠a4 62. ♠b3 ♠e3 63. ♠b3 ♠b8 64. ♠g1 ♠f5 65. ♠a5 ♠e3 66. ♠c6 ♠g4 67. ♠a5 ♠c6 68. ♠c4 ♠b8 69. ♠f3 ♠f6 70. ♠g1 ♠a6 71. ♠a3 ♠b8 72. ♠f3 ♠g8 73. ♠g1 ♠a6 74. ♠b1 ♠b8 75. ♠f3 **[b6]** 76. ♠c5 ♠a6 77. ♠c4 ♠f6 78. ♠ca3 ♠h5 79. ♠c3 ♠f4 80. ♠c4 ♠b7 81. ♠a5 ♠h5 82. ♠c4 ♠a4 83. ♠a5 ♠c6 84. ♠b1 ♠c8 85. ♠b7 ♠b5 86. ♠a5 ♠a6 87. ♠b7 ♠f6 88. ♠d8 ♠c6 89. ♠b7 ♠a5 90. ♠c3 ♠b3 91. ♠a4 ♠b8 92. ♠c3 ♠g8 93. ♠d5 ♠c8 94. ♠d5 ♠d3 95. ♠b4 ♠h6 96. ♠a6 ♠g8 97. ♠b4 ♠b7 98. ♠d5 ♠c8 99. ♠e3 ♠a6 100. ♠d5 ♠d8 101. ♠c3 ♠c8 102. ♠c6 ♠b8 103. ♠a5 ♠f6 104. ♠b7 ♠g8 105. ♠a4 ♠f6 106. ♠a5 ♠c8 107. ♠b4 ♠d4 108. ♠c3 ♠b3 109. ♠b1 ♠a5 110. ♠c3 ♠c6 111. ♠b1 ♠e4 112. ♠d5 ♠f6 113. ♠e6 ♠b8 114. ♠d8 ♠d3 115. ♠b7 ♠a6 116. ♠c5 ♠h5 117. ♠b7 ♠f4 118. ♠a5 ♠h5 119. ♠c5 ♠b5 120. ♠a5 ♠c4 121. ♠b7 ♠b5 122. ♠c6 ♠c6 123. ♠b1 ♠a6 124. ♠a5 ♠b8 125. ♠c3 ♠d8 126. ♠b1 ♠f6 127. ♠c3 ♠h5 128. ♠b7 ♠c4 129. ♠a5 ♠f4 130. ♠c4 ♠a4 131. ♠e4 ♠b7 132. ♠c3 ♠g3 133. ♠a5 ♠h5 134. ♠b3 ♠f4 135. ♠a5 ♠c6 136. ♠c5 ♠a6 138. ♠c4 ♠h5 139. ♠c3 ♠b7 140. ♠c61 ♠a6 141. ♠b5 ♠f6 142. ♠a3 ♠d5 143. ♠c4 ♠f6 144. ♠b3 ♠g8 145. ♠b1 ♠c8 146. ♠e5 ♠d8 147. ♠c3 ♠c8 148. ♠b1 ♠f6 149. ♠f3 ♠g8 150. ♠c3 **[g6]** 151. ♠g5 ♠b7 152. ♠ce4 ♠h6 153. ♠c5 ♠f3 154. ♠ce4 ♠c6 155. ♠c3 ♠d5 156. ♠a4 ♠e5 157. ♠e6 ♠f8 158. ♠c3 ♠h6 159. ♠c5 ♠c6 160. ♠b3 ♠d3 161. ♠a6 ♠a4 162. ♠b4 ♠a5 163. ♠a6 ♠g4 164. ♠c3 ♠c6 165. ♠e4 ♠b3 166. ♠b4 ♠c4 167. ♠g5 ♠d3 168. ♠f3 ♠ge5 169. ♠d5 ♠b8 170. ♠g1 ♠b5 171. ♠f3 ♠d3 172. ♠c3 ♠c6 173. ♠d5 ♠c4 174. ♠b4 ♠d3 175. ♠c5 ♠g4 176. ♠f3 ♠d3 177. ♠c5 ♠b5 178. ♠b5 ♠d8 179. ♠c5 ♠b3 180. ♠e4 ♠d3 181. ♠a6 ♠c6 182. ♠g3 ♠e4 183. ♠e4 ♠g7 184. ♠c5 ♠b5 185. ♠b1 ♠a6 186. ♠c3 ♠b3 187. ♠b5 ♠a4 188. ♠b8 ♠h6 189. ♠a6 ♠b3 190. ♠b4 ♠a4 191. ♠d3 ♠c6 192. ♠b4 ♠b8 193. ♠a6 ♠c6 194. ♠a3 ♠b3 195. ♠b5 ♠b8 196. ♠c5 ♠c6 197. ♠e6 ♠d5 198. ♠c5 ♠f5 199. ♠c3 ♠h6 200. ♠b1 ♠e5 201. ♠e5 ♠g2 202. ♠e6 ♠h6 203. ♠e4 ♠g8 204. ♠c3 ♠a4 205. ♠a4 ♠d5 206. ♠d4 ♠h6 207. ♠e6 ♠f6 208. ♠g5 ♠a2 209. ♠e4 ♠c6 210. ♠g5 ♠b8 211. ♠c3 ♠d8 212. ♠b5 ♠f3 213. ♠b5 ♠f6 214. ♠ce4 ♠g8 215. ♠e6 ♠b8 216. ♠g6 ♠h5 217. ♠c5 ♠f3 218. ♠a4 ♠b7 219. ♠c5 ♠a6 220. ♠ce4 ♠b8

221. ♠c3 ♠f8 222. ♠ce4 ♠c8 223. ♠c3 ♠h6 224. ♠f3 ♠g8 225. ♠e5 **[g5]** 226. ♠b5 ♠c6 227. ♠c3 ♠a6 228. ♠d3 ♠c8 229. ♠b4 ♠d8 230. ♠c6 ♠b7 231. ♠b8 ♠e4 232. ♠c6 ♠f5 233. ♠b1 ♠h6 234. ♠a3 ♠d3 235. ♠c4 ♠a6 236. ♠b8 ♠c8 237. ♠a5 ♠f5 238. ♠a6 ♠a4 239. ♠b4 ♠c6 240. ♠b7 ♠f6 241. ♠a5 ♠d4 242. ♠c4 ♠a6 243. ♠e5 ♠h3 244. ♠b6c ♠h5 245. ♠a5 ♠h6 246. ♠f3 ♠b7 247. ♠e5 ♠c6 248. ♠f3 ♠d4 249. ♠b3 ♠b6 250. ♠a5 ♠b5 251. ♠e5 ♠a6 252. ♠ac6 ♠f8 253. ♠a5 ♠f6 254. ♠c6 ♠f5 255. ♠b4 ♠b3 256. ♠c4 ♠f5 257. ♠d5 ♠c8 258. ♠b4 ♠c6 259. ♠a5 ♠d4 260. ♠b7 ♠b8 261. ♠d3 ♠g2 262. ♠b4 ♠e4 263. ♠a5 ♠e6 264. ♠a5 ♠d8 265. ♠b4 ♠d6 266. ♠a5 ♠g8 267. ♠c6 ♠h6 268. ♠c4 ♠d3 269. ♠a5 ♠a6 270. ♠c4 ♠a5 271. ♠c6 ♠a6 272. ♠d4 ♠c8 273. ♠c6 ♠f5 274. ♠a3 ♠h6 275. ♠a5 ♠f5 276. ♠c6 ♠e4 277. ♠b1 ♠f5 278. ♠a5 ♠c8 279. ♠c6 ♠a4 280. ♠a3 ♠f5 281. ♠b4 ♠e4 282. ♠c6 ♠f3 283. ♠b8 ♠e4 284. ♠b1 ♠b7 285. ♠a3 ♠h6 286. ♠c6 ♠f8 287. ♠c4 ♠a8 288. ♠a3 ♠b7 289. ♠b4 ♠b8 290. ♠d5 ♠c6 291. ♠b4 ♠b8 292. ♠d3 ♠c6 293. ♠e5 ♠d8 294. ♠d3 ♠c8 295. ♠e5 ♠h6 296. ♠b5 ♠f8 297. ♠d3 ♠b8 298. ♠e5 ♠g7 299. ♠c3 ♠f8 300. ♠d5 **[b5]** 301. ♠g6 ♠h6 302. ♠h4 ♠f6 303. ♠f4 ♠b7 304. ♠d5 ♠a6 305. ♠g6 ♠f8 306. ♠c3 ♠d5 307. ♠c4 ♠h6 308. ♠b6 ♠f4 309. ♠f8 ♠e6 310. ♠g6 ♠c5 311. ♠c8 ♠b3 312. ♠f8 ♠a5 313. ♠g6 ♠b6 314. ♠h4 ♠b8 315. ♠b6 ♠f8 316. ♠c8 ♠ac6 317. ♠b6 ♠a5 318. ♠c8 ♠h6 319. ♠g6 ♠ec6 320. ♠b6 ♠e5 321. ♠c8 ♠bc6 322. ♠h4 ♠b8 323. ♠f3 ♠f8 324. ♠h4 ♠c4 325. ♠b6 ♠e5 326. ♠f3 ♠c6 327. ♠h4 ♠g7 328. ♠c8 ♠f8 329. ♠g6 ♠a5 330. ♠h4 ♠c4 331. ♠b6 ♠a5 332. ♠d5 ♠h6 333. ♠b6 ♠ac6 334. ♠c8 ♠a5 335. ♠f5 ♠bc6 336. ♠h4 ♠g7 337. ♠g6 ♠h6 338. ♠f4 ♠b8 339. ♠g6 ♠b7 340. ♠f8 ♠a5 341. ♠b6 ♠b3 342. ♠c8 ♠b7 343. ♠g6 ♠a6 344. ♠f4 ♠c5 345. ♠g6 ♠b7 346. ♠b6 ♠e5 347. ♠d5 ♠e6 348. ♠b6 ♠c8 349. ♠d5 ♠a6 350. ♠a4 ♠f4 351. ♠b6 ♠b7 352. ♠g6 ♠a6 353. ♠c8 ♠d5 354. ♠b6 ♠e3 355. ♠c4 356. ♠e3 ♠f8 357. ♠c4 ♠f6 358. ♠c8 359. ♠d5 ♠d8 360. ♠b6 ♠h6 361. ♠d5 ♠g4 362. ♠h4 ♠f6 363. ♠f5 ♠b7 364. ♠h4 ♠c6 365. ♠f4 ♠b7 366. ♠f3 ♠c8 367. ♠h4 368. ♠d5 ♠b8 369. ♠c3 ♠g8 370. ♠d5 ♠g7 371. ♠g6 ♠h6 372. ♠c3 ♠f8 373. ♠d5 ♠h6 374. ♠e5 ♠g8 375. ♠c4 **[bxc4]** 376. ♠b4 ♠h6 377. ♠c6 ♠g7 378. ♠b4 ♠f8 379. ♠c6 ♠a6 380. ♠b4 ♠g7 381. ♠d3 ♠b7 382. ♠e5 ♠h6 383. ♠c6 ♠b8 384. ♠d8 ♠b4 385. ♠c6 ♠c8 386. ♠d8 387. ♠b3 ♠d5 388. ♠d4 ♠c6 389. ♠f3 ♠a5 390. ♠h4 ♠b3 391. ♠g6 ♠g7 392. ♠f4 ♠c3 393. ♠e6 ♠b4 394. ♠d4 ♠b8 395. ♠e6 ♠a5 396. ♠d8 ♠e4 397. ♠c6 ♠c8 398. ♠b4 ♠d3 399. ♠a6 ♠e5 400. ♠b4 ♠b3 401. ♠d5 ♠e4 402. ♠b4 ♠d8 403. ♠c6 ♠c8 404. ♠d8 ♠b8 405. ♠c6 ♠d5 406. ♠d8 ♠b7 407. ♠e6 ♠b8 408. ♠c5 ♠b4 409. ♠e6 ♠f3 410. ♠d4 ♠d5 411. ♠f3 ♠d8 412. ♠d4 ♠a3 413. ♠e6 ♠b4 414. ♠f8 ♠c3 415. ♠e6 ♠f3 416. ♠f4 ♠d5 417. ♠h3 ♠g7 418. ♠f4 ♠h6 419. ♠g6 ♠b7 420. ♠h4 ♠h6 421. ♠f5 ♠a5 422. ♠h4 ♠c6 423. ♠f3 ♠a5 424. ♠d4 ♠c6 425. ♠b3 ♠b4 426. ♠d4 ♠b7 427. ♠b3 ♠f6 428. ♠a5 ♠g8 429. ♠c6 ♠c8 430. ♠a5 ♠b8 431. ♠c6 ♠a6 432. ♠d6 ♠b7 433. ♠e6 ♠a6 434. ♠d8 ♠g7 435. ♠c6 ♠h6 436. ♠b4 ♠d8 437. ♠c6 ♠c5 438. ♠e6 ♠a6 439. ♠d3 ♠g7 440. ♠e6 ♠c8 441. ♠d3 ♠e5 442. ♠b4 ♠g7 443. ♠c6 ♠f8 444. ♠b4 ♠b8 445. ♠c6 ♠g7 446. ♠b4 ♠h6 447. ♠c6 ♠f8 448. ♠b4 ♠a6 449. ♠d5 ♠c8 450. ♠f4 **[gxf4]** 451. ♠g1 ♠b7 452. ♠h1 ♠h6 453. ♠g1 ♠g5 454. ♠h1 ♠a6 455. ♠g1 ♠h4 456. ♠h1 ♠c6 457. ♠g1 ♠b8 458. ♠h1 ♠a4 459. ♠g1 ♠f6 460. ♠h1 ♠b5 461. ♠g1 ♠e5 462. ♠h1 ♠a5 463. ♠g1 ♠h5 464. ♠h1 ♠g5 465. ♠g1 ♠g6 466. ♠h1 ♠e4 467. ♠g1 ♠c6 468. ♠h1 ♠b5 469. ♠g1 ♠h5 470. ♠h1 ♠h4 471. ♠g1 ♠e5 472. ♠h1 ♠h3 473. ♠g1 ♠b7 474. ♠h1 ♠g3 475. ♠g1 ♠e5 476. ♠h1 ♠b3 477. ♠g1 ♠d6 478. ♠h1 ♠h4 479. ♠g1 ♠e5 480. ♠h1 ♠h6 481. ♠g1 ♠a4 482. ♠h1 ♠h3 483. ♠g1 ♠c6 484. ♠h1 ♠b7 485. ♠g1 ♠g3 486. ♠h1 ♠d8 487. ♠g1 ♠g6 488. ♠h1 ♠g3 489. ♠g1 ♠b7 490. ♠h1 ♠h3 491. ♠g1 ♠d6 492. ♠h1 ♠b5 493. ♠g1 ♠h4 494. ♠h1 ♠c5 495. ♠g1 ♠g5 496. ♠h1 ♠b3 497. ♠g1 ♠g3 498. ♠h1 ♠b7 499. ♠g1 ♠c5 500. ♠h1 ♠a4 501. ♠g1 ♠h3 502. ♠h1 ♠bc5 503. ♠g1 ♠h4 504. ♠h1 ♠a6 505. ♠g1 ♠h5 506. ♠h1 ♠g6 507. ♠g1 ♠c6 508. ♠h1 ♠a4 509. ♠g1 ♠f6 510. ♠h1 ♠h5 511. ♠g1 ♠h4 512. ♠h1 ♠a5 513. ♠g1 ♠e5 514. ♠h1 ♠b5 515. ♠g1 ♠b8 516. ♠h1 ♠g8 517. ♠g1 ♠c6 518. ♠h1 ♠d8 519. ♠g1 ♠b7 520. ♠h1 ♠g5 521. ♠g1 ♠b8 522. ♠h1 ♠h6 523. ♠g1 ♠f8 524. ♠h1 ♠c8 525. ♠g1 **[c6]** 526. ♠h1 ♠f6 527. ♠g1 ♠a6 528. ♠h1 ♠h5 529. ♠g1 ♠c7 530. ♠h1 ♠b5 531. ♠g1 ♠a6 532. ♠h1 ♠c8 533. ♠g1 ♠d4 534. ♠h1 ♠g7 535. ♠g1 ♠b5 536. ♠h1 ♠h5 537. ♠g1 ♠f5 538. ♠h1 ♠g3 539. ♠g1 ♠a6 540. ♠h1 ♠d4 541. ♠g1 ♠c8 542. ♠h1 ♠a6 543. ♠g1 ♠a4 544. ♠h1 ♠f5 545. ♠g1 ♠g7 546. ♠h1 ♠e3 547. ♠g1 ♠e5 548. ♠h1 ♠c3 549. ♠g1 ♠g7 550. ♠h1 ♠b5 551. ♠g1 ♠d8 552. ♠h1 ♠b4 553. ♠g1 ♠b3 554. ♠h1 ♠c3 555. ♠g1 ♠c7 556. ♠h1 ♠b8 557. ♠g1 ♠d6 558. ♠h1 ♠f6 559. ♠g1 ♠e6 560. ♠h1 ♠h3 561. ♠g1 ♠g3 562. ♠h1 ♠a4 563. ♠g1 ♠b3 564. ♠h1 ♠h3 565. ♠g1 ♠e6 566. ♠h1 ♠d6 567. ♠g1 ♠c3 568. ♠h1 ♠b8 569. ♠g1 ♠c7 570. ♠h1 ♠d8 571. ♠g1 ♠b4 572. ♠h1 ♠a4 573. ♠g1 ♠c3 574. ♠h1 ♠c8 575. ♠g1 ♠g3 576. ♠h1 ♠f75 577. ♠g1 ♠e5 578. ♠h1 ♠g7 579. ♠g1 ♠e4 580. ♠h1 ♠f8 581. ♠g1 ♠d4 582. ♠h1 ♠b5 583. ♠h1 ♠g3 584. ♠h1 ♠a6 585. ♠g1 ♠d5 586. ♠h1 ♠c8 587. ♠g1 ♠h5 588. ♠h1 ♠d4 589. ♠g1 ♠g7 590. ♠h1 ♠a6 591. ♠g1 ♠h5 592. ♠h1 ♠b5 593. ♠g1 ♠d8 594. ♠h1 ♠c8 595. ♠g1 ♠c7 596. ♠h1 ♠f6 597. ♠g1 ♠f6 598. ♠h1 ♠b8 599. ♠g1 ♠g8 600. ♠h1 **[c5]** 601. ♠g1 ♠a6 602. ♠h1 ♠f6 603. ♠g1 ♠b6 604. ♠h1 ♠g4 605. ♠g1 ♠c8 606. ♠h1 ♠c3 607. ♠g1 ♠c6 608. ♠h1 ♠a6 609. ♠g1 ♠g4 610. ♠h1 ♠c5 611. ♠g1 ♠f6 612. ♠h1 ♠b7 613. ♠g1 ♠b5 614. ♠h1 ♠f3 615. ♠g1 ♠a5 616. ♠h1 ♠c3 617. ♠g1 ♠g6 618. ♠h1 ♠g4 619. ♠g1 ♠d4 620. ♠g1 ♠b7 621. ♠g1 ♠g8 622. ♠h1 ♠a6 623. ♠g1 ♠g7 624. ♠h1 ♠e5 625. ♠g1 ♠c6 626. ♠h1 ♠a4 627. ♠g1 ♠h4 628. ♠h1 ♠b5 629. ♠g1 ♠g3 630. ♠h1 ♠a4 631. ♠g1 ♠g6 632. ♠h1 ♠c6 633. ♠g1 ♠f3 634. ♠h1 ♠g4 635. ♠g1 ♠c6 636. ♠h1 ♠e4 637. ♠g1 ♠g7 638. ♠h1 ♠g4 639. ♠g1 ♠f3 640. ♠h1 ♠e5 641. ♠g1 ♠g6 642. ♠h1 ♠c6 643. ♠g1 ♠a4 644. ♠h1 ♠g3 645. ♠g1 ♠b5 646. ♠h1 ♠g7 647. ♠g1 ♠a4 648. ♠h1 ♠hg6 649. ♠g1 ♠c6 650. ♠h1 ♠a4 651. ♠g1 ♠g4 652. ♠h1 ♠g8 653. ♠g1 ♠f3 654. ♠h1 ♠g7 655. ♠g1 ♠d4 656. ♠h1 ♠c3 657. ♠g1 ♠f6 658. ♠h1 ♠e5 659. ♠g1 ♠a5 660. ♠h1 ♠b5 661. ♠g1 ♠b7 662. ♠h1 ♠a6 663. ♠g1 ♠c8 664. ♠h1 ♠fg4 665. ♠g1 ♠c6 666. ♠h1 ♠c3 667. ♠g1 ♠b6 668. ♠h1 ♠b8 669. ♠g1 ♠g4 670. ♠h1 ♠a6 671. ♠g1 ♠f6 672. ♠h1 ♠d8 673. ♠g1 ♠g8 674. ♠h1 ♠c8 675. ♠g1 **[f6]** 676. ♠h1 ♠h6 677. ♠g1 ♠b7 678. ♠h1 ♠b5 679. ♠g1 ♠b5 680. ♠h1 ♠c6 681. ♠g1 ♠e4 682. ♠h1 ♠g6 683. ♠g1 ♠f5 684. ♠h1 ♠g7 685. ♠g1 ♠h5 686. ♠h1 ♠d5 687. ♠g1 ♠h6 688. ♠h1 ♠g5 689. ♠g1 ♠c6 690. ♠h1 ♠g7 691. ♠g1 ♠a4 692. ♠h1 ♠e3 693. ♠g1 ♠e5 694. ♠h1 ♠d3 695. ♠g1 ♠f8 696. ♠h1 ♠g4 697. ♠g1 ♠c6 698. ♠h1 ♠e6 699. ♠g1 ♠b8 700. ♠h1 ♠c6 701. ♠g1 ♠d6 702. ♠h1 ♠d3 703. ♠g1 ♠a4 704. ♠h1 ♠b6 705. ♠g1 ♠c6 706. ♠h1 ♠c7 707. ♠g1 ♠a5 708. ♠h1 ♠b5 709. ♠g1 ♠d4 710. ♠h1 ♠a4 711. ♠g1 ♠c6 712. ♠h1 ♠b4 713. ♠g1 ♠a4 714. ♠h1 ♠d4 715. ♠g1 ♠b5 716. ♠h1 ♠c6 717. ♠g1 ♠a5 718. ♠h1 ♠b6 719. ♠g1 ♠b6 720. ♠h1 ♠b8 721. ♠g1 ♠d6 722. ♠h1 ♠d3 723. ♠g1 ♠g6 724. ♠h1 ♠e6 725. ♠g1 ♠d3 726. ♠h1 ♠c6 727. ♠g1 ♠g4 728. ♠h1 ♠e5 729. ♠g1 ♠f5 730. ♠h1 ♠g7 731. ♠g1 ♠e4 732. ♠h1 ♠c6 733. ♠g1 ♠g5 734. ♠h1 ♠d5 735. ♠g1 ♠h6 736. ♠h1 ♠b8 737. ♠g1 ♠h5 738. ♠h1 ♠g7 739. ♠g1 ♠b7 740. ♠h1 ♠f5 741. ♠g1 ♠h6 742. ♠h1 ♠g6 743. ♠g1 ♠e4 744. ♠h1 ♠c6 745. ♠g1 ♠b5 746. ♠h1 ♠a5 747. ♠g1 ♠d8 748. ♠h1 ♠c8 749. ♠g1 ♠f8 750. ♠h1 **[f5]** 751. ♠g1 ♠c7 752. ♠h1 ♠h6 753. ♠g1 ♠b7 754. ♠h1 ♠d5 755. ♠g1 ♠a6 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4550. whg2 w6d5 4551. w2h3 w6e6 4552. w6h8 w6d5 4553. fh8 w6c6 4554. whg2 w6d5 4555. d6d3+ w6c6 4556. h2a3 wd5 4557. h2a2 w6c6 4558. h2a3 w6c7 4559. w2h3 w6c6 4560. w6g5 w6c7 4561. d6c8+ w6c8 4562. d6g7+ w6c7 4563. wf2 w6c6 4564. w6g1 wd5 4565. w6b3 w6c6 4566. h2h3 w6c7 4567. fh3 w6d6 4568. h2b8 w6c7 4569. d6h5 w6d6 4570. h2b8 w6c7 4571. w6a1 w6b6 4572. w6h8 w6b7 4573. w6g4 w6b6 4574. w6h2 [f2] 4575. d6c6 w6e6 4576. fh6f3 w6b6 4577. w6h2 w6c6 4578. d2g2+ w6b5 4579. h2h6 w6a6 4580. d1c2 w6b6 4581. whd4a w6a6 4582. d6d3 w6b6 4583. wh1 w6b5 4584. d6d8 w6b4 4585. w1e2 w6a5 4586. w6c2 w6b5 4587. d6a6 4588. d6d1 w6b6 4589. w6b2+ w6a5 4590. h2h3 w6a6 4591. d6a3+ w6b6 4592. d3d3 w6b5 4593. w6a1 w6b4 4594. fh6f3 w6b5 4595. d4d4 w6b6 4596. h2h1 w6b5 4597. d6d1 w6b4 4598. d6d3 w6b5 4599. h2h3 w6b4 4600. w6a3+ w6b5 4601. d6c2 w6b6 4602. d3c w6b7 4603. d6b4 w6b6 4604. w6b3+ w6a6 4605. w6a3+ w6b5 4606. w6b2+ w6a6 4607. d6f1 w6a5 4608. d3c w6a4 4609. whg4a w6a5 4610. d6b3+ w6b6 4611. d2d2+ w6c7 4612. 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5962. h4h3 h3 5963. m7f1 h5s 5964. h1h1 h6 5965. qh7 h4b 5966. qf6 ah5 5967. wa4 ah4 5968. wh4 h4d6 5969. wh4 h4d6 5970. qd1 h6 5971. wqf1 h6 5972. wqf2 h6 5973. m7f8 h6b7 5974. qf2 h6b6 5975. qd1 h1 5976. wqf5 h4b 5977. wh1 kmd4 5978. wh1 h6b7 5979. m7f8 h6b6 5980. wh2 h6b7 5981. wqg6 h2+ 5982. wqg2 ad3 5983. wqg8 h4b 5984. wqf1 kmd4 5985. wh3 kmd4 5986. qb3 kmd4 5987. qe3 h5s 5988. d1h1 kmd3 5989. qd2 h4d 5990. mde8 wa7 5991. mde8 h6 5992. wh4 kmd4 5993. qf3 h6b6 5994. qd2 kmd4 5995. wh8 kmd4 5996. mde8 h4d 5997. mde8 h4b 5998. wh8 kmd4 5999. qf4 [c1=N] 6000. wqg7 h2+ 6001. wqg1 h5s 6002. wqf7 h1+ 6003. qf1 ae4 6004. wh7 h2+ 6005. qh5 h5s 6006. qf2 h6b7 6007. wqf3 ah3 6008. qd3 ad4 6009. qd1 aa8 6010. wqf3+ wa6 6011. wce6+ wa5 6012. h4h4 ac2 6013. wce4 h3 6014. h1h2 ah7 6015. wa6+ wa4 6016. w4d6 kmd7 6017. w4d6 h3 6018. wa7 ac1 6019. whg3 ah3 6020. qh5 h5s ac1 6021. wqf5 h2+ 6022. wqf7 h4d4 6023. wa6+ wa4 6024. wqf5 h2+ 6025. wh7 ae4 6026. w4d6 ah3 6027. wce6 h4d 6028. qe4 h5s 6029. 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6223. qd2 h4d4 6224. qe3 [c3] 6225. ag1 ae4 6226. qd5+ wce5 6227. qf6 aa2 6228. m7f8 h4d4 6229. wh4 h5s 6230. qf4+ w4b4 6231. qd3+ wa3 6232. qf3 h3f 6233. wh1 h5s 6234. ag6 kmd4 6235. wqf6 h5s 6236. na8 h4d4 6237. m7f4 ad3 6238. m7f8 ac1 6239. qd2 ad3 6240. ag4 h3h3 6241. qh5 aa4 6242. wqg7 h4d4 6243. h3h3 h4d5 6244. ag2 h4d4 6245. qf4 kmd4 6246. qh5 h5s 6247. ag4 h5s 6248. m7f8 h5s 6249. qf4 kmd4 6250. qh5 h5s 6251. wh8 h5s 6252. wqg5 h3h3 6253. wh4 h4d4 6254. qd3 kmd4 6255. qf5 ae4 6256. qd3 h6b6 6257. m7f4 h5s 6258. qf4 h5s 6259. qd4 h2+ 6260. qf6 h3h3 6261. wqg8 h2+ 6262. wh8 ah1 6263. mce8 h2+ 6264. ag4 h5s 6265. m7f4 h4b4 6266. m7f6 wa3 6267. qe1 kmd4 6268. qh3 h4d8 6269. na8 h3h3 6270. m7f7 h5s 6271. m7f8 h4d4 6272. qd4 h4d4 6273. wqg4 h4d4 6274. wqf4 h4d4 6275. m7f8 h4d4 6276. wqf4 h4d4 6277. wh4 h4d8 6278. wh2 h4d4 6279. na8 h4d4 6280. na8 h4d4 6281. wqg8 h4d4 6282. w4f6 h4b 6283. wh4+ wce5 6284. qe4+ w4b4 6285. qf6+ wce5 6286. qd3 h5b5 6287. qd1 ad1 6278. wh3 h2+ 6289. wce6 kmd4 6290. wqg3 h6b6 6291. ag1 wce5 6292. qd5 ae4 6293. qf6 h6b6 6294. qd5+ wce6 6295. qe3 h6b6 6296. wh7 ad3 6297. wh8 h4d3 6298. h1h1 ae2 6299. qf5 [c2] 6300. w4d4+ w4b6 6301. qe1 h5s 6302. wqf7 h4d5 6303. mce1 kmd4 6304. wh1 h5b5 6305. qd4 h4d4 6306. wqf5+ w4d6 6307. m7f8 h4d5 6308. wqg6+ wce5 6309. wh7 h5s 6310. qb2 h4h4+ 6311. wqg2 h4d4 6312. m7f7 h5s 6313. wqg5 ad3 6314. qd8 h4d4 6315. m7f1 ag1 6316. h1h2 h5s 6317. m7f6 h6b6 6318. m7f6 kmd4 6319. qdcd4+ w4d5 6320. qa5 h5s 6321. qdcd4+ w4d4 6322. qd2 h5s 6323. m7f6 kmd4 6324. m7f6 kmd4 6325. m7f6 h5s 6326. m7f1 ag4 6327. m7f1 h4d5 6328. m7f1 h4d4 6329. na8 h4d4 6330. m7f6 ae2 6331. m7f1 ac3 6332. mce1+ wce2 6333. qh3 h5s 6334. qd2 ad4 6335. wa5 h5s 6336. m7f6 h6b6 6337. m7f7 h4d3 6338. wa7 h5s 6339. qh3 h4d4 6340. wqf2 ac2 6341. m7f8 h4d5 6342. wh1 h4h4+ 6343. wqg2 h4d4 6344. wh1 h4d6 6345. qd1 h6d5 6346. wa1 ac4 6347. wa7 w4d6 6348. wqg6+ wce5 6349. wqf5+ w4d6 6350. wa4 h5s 6351. wh7 h6b7 6352. m7f8 h5s 6353. wqf1 h5s 6354. wqf5+ wce6 6355. wh4 h5s 6356. h1h2 ad3 6357. wh8 h4d3 6358. qf5 ac2 6359. wh2 h5s 6360. wh3 h4d4 6361. wh2 h5s 6362. qd1 h4d4 6363. qd2 h4d4 6364. ag1 ad3 6365. qf1 h6b6 6366. qd2 ac4 6367. w4d4 ad3 6368. m7f1 h6b7 6369. ag1 h5s 6370. h1h1 h5s 6371. wce3 h6b6 6372. w4d4+ wa6 6373. wh8 h6b6 6374. qe3 [c1=R] 6375. wh5 h4d1 6376. qe1 h4d8 6377. d1h1 h4d4 6378. wqf5 h4d4 6379. wqf5 h4d4 6380. wqf7 h6b7 6381. qb3 h4d8 6382. wqf2 h4d8 6383. wqf1 h4d8 6384. qd3 h3 6385. m7f3 ad1 6386. qe5+ w4b6 6387. m7f6+ wce6 6388. wce5 ah2 6389. wqf8+ wa5 6390. wqg3 h6b6 6391. mce8 h4d4 6392. ag1 h6b6 6393. wqf4 h4d4 6394. h1h2 h4d4 6395. mce8 h4d4 6396. h1h2 h6b7 6397. wqg3 h5s 6398. m7f2 ag6 6399. wqg2 h6b6 6400. wh2 h4d4 6401. h1h1 kmd4 6402. m7f8 h4d3 6403. m7f8 h4d4 6404. mde8 h4d5 6405. qe6 ae4 6406. qe5 h6b6 6407. wqf8+ wa5 6408. wce5 h6b6 6409. wce3 ad1 6410. wce5 h2+ 6411. aa1 h4d8 6412. m7f7 h4d8 6413. m7f6+ ac2 6414. h1h1 ae4 6415. qe6 h6b7 6416. qe5+ wce6 6417. qb3 h6b7 6418. m7f1 h3h3 6419. h1h1 ae2 6420. m7f8 h3h3 6421. qd1 ae2 6422. wqf4 h4d8 6423. m7f2 h3h3 6424. wa8 h4d4 6425. m7f6 h3h3 6426. m7f8 h4d4 6427. wqf7 h4d8 6428. wh2 h4d4 6429. wh8 h6b7 6430. qbd2 w4b7 6431. wce3 h6b6 6432. wh8 h5s 6433. wqf5 h6b6 6434. qb1 h4d4 6435. qbd2 h2+ 6436. wqg5 h3h3 6437. wqg4 ad3 6438. d1h1 h4d4 6439. wqf5 h4d4 6440. qe3 h4d4 6441. qe1 h6b7 6442. mde8 h6b6 6443. wqg4 h4d4 6444. wh5 h6b1 6445. qe3 h4d4 6446. wh7 h5s 6447. wh5 h4d1 6448. wh3 h5s 6449. aa1 [h5] 6450. qb1 h4d4 6451. wqf1 ah5 6452. qd3 h3h3 6453. wqg1 ad4 6454. qa2 h5s 6455. wh1 wa7 6456. wqg8 h6b7 6457. mce8 h7c2 6458. m7f6 h4d6 6459. mce8 h6b7 6460. d1h1 h6b7 6461. qf6 h7c3 6462. wqg7 wa6 6463. na8+ wa5 6464. m7f8 h6b6 6465. mce8 h6b6 6466. m7f8 h2+ 6467. qd2 h4d6 6468. mde8 h4b 6469. mce8 h6b6 6470. mce8 h6b6 6471. na8 h3h3 6472. qb1 ae2 6473. wqf8 h4d7 6474. wqf7 h4b 6475. m7f8 h6b6 6476. qb4 h4d6 6477. qd2 h4d4 6478. m7f8 h6b6 6479. ag4 ad4 6480. qf6 h1 6481. m7f8 h4d1 6482. na8 h6b6 6483. na8+ w4b6 6484. na8 h6b6 6485. mce8 wa7 6486. mce8 h2+ 6487. wqg8 h4d4 6488. m7f7 h6b7 6489. wqf1 h4d4 6490. d1h1 h4d1 6491. qd3 h7c2 6492. qb1 kmd4 6493. qe3 h4d4 6494. qd5 ah5 6495. wqg8 h2+ 6496. mce8 h2+ 6497. wce8 h4d5 6498. qe3 ag4 6499. mce1 h5s 6500. m7f7 kmd1 6501. m7f8 h2+ 6502. mce8 h4d4 6503. h

6959. wh2 a5 6954. wh8 a7 66 6955. wd6+ a5 6956. wb4+ a6 6957. wd6+ a7 b7 6958. dh4 a6 6959. wh2 a5 6960. wh5 a5 6961. wh7 a5 6962. wa1 a5 6963. dg6 a4 6964. wh2 a4 6965. wf5 a1 6966. wf8 a7 6967. wg7 a4 6968. whh8 a4 6969. wh5 a5 6970. whg8 a5 6971. wf3 a6 6972. wf2 a6 6973. wh8 a4 6974. qb2 [d6] 6975. wa8 hgl1 6976. nae8 a8 6977. wh5+ a7 6978. fh8 a4 6979. wh4 a1 gl4 6980. wb4 kcc4 6981. wh3 kf5+ 6982. wf3 a3 6983. d3 a3 ksg7 6984. hbc8+ a7 d7 6985. nae8 a5 6986. wf5 a5 6987. fh8 h5 6988. na8 a4 kgl4 6989. wh3 a3 6990. wf7 a5 6991. dg2 kgg5 6992. wa5 a2 6993. na8 a4 b3 6994. cc8 a5 6995. ac4 hkh5 6996. na4 a2 6997. fh8 a4 k988. wh5 a5 6999. ad5 a5 7000. whg8 a8 7001. wf5 kgg5 7002. hb5 k4 7003. hb4 h8 7004. wh3 hkh5 7005. wf1 k1 7006. wh3 kgg5 7007. na8 a5 7008. hb4 k4 7009. na4 w6 7010. wf3 d7 7011. wf3 b7 7012. fh8 a8 7013. na8 a3 7014. qb4 khg5 7015. d3 a3 k7016. fh8 a2 7017. hcl kf5 7018. hcl kgl7 7019. wh4 fhg7 7020. qb2 kgl4 7021. wf8 a7 7022. na8+ a7 7023. fh8 k7 7024. a5 k8 7025. d3 a2 kgl1 7026. qb2 kgl4 7027. hcl k1 7028. na8 a5 7029. wh3 kf5+ 7030. w6 a5 7031. wf2 kcc4 7032. wh8 a4 7033. fh8 a1 7034. fh8 a5 7035. wa4 kgl4 7036. wb5 kgl1 7037. wb4 a4 7038. hb5 ksg3 7039. hbe8 k8 7040. wa4 wb6 7041. wb5+ a7 7042. wbh5 wb6 7043. na1 d8g4 7044. nae1 a4 7045. na8 kgl4 7046. wf7 h1 7047. fh8 a2 7048. nae8 a3 a4 7049. gl1 [55] 7050. wf85 khh4 7051. fh1 kgl7 7052. fh1 w5 7053. fh7 kgl1 7054. fh3 k6 7055. wf8 a5 7056. fh8 a4 7057. d3 a3+ b5 7058. a2 b4 7059. wcl+ a5 7060. w6 k5 7061. qa2 a3 k6 7062. fh8 a4 7063. wg5 b5 7064. g6c3+ a4 7065. wf4 a1 7066. w6c3 kfl+ 7067. wf5 a5 7068. wf7+ a7 b5 7069. wd8 w5 7070. wf7+ a5 b5 7071. wf4 a5 7072. wf5 kb5 7073. fh5 a2 7074. wf3 a1 d1 7075. wf2 kgl1 7076. wf3 b3 7077. wcl a4 7078. wcl a5 7079. fh5 a4 7080. wf3e3+ k4 7081. wg5 k4 7082. fh7 a5 7083. fh7 a5 7084. wg6 a3 7085. fh1 k6 7086. wf1 k5 7087. fh8 kgl1 7088. fh1 k2 7089. hcl kgg4 7090. d1 kgl1 7091. wb1 k1 7092. wg6 kb6 7093. wh5 k6 7094. wf2+ a7 b4 7095. wcl+ a4 7096. w6 k5 b4 7097. wf8 a5 b5 7098. fh3 k6 7099. d3 a3 k6 7100. ecl w5 7101. d3 a3+ c6 7102. qb2 w5 c5 7103. h2 a8 7104. fh1 a4 7105. fh8 a4 7106. fh8 a5 7107. na8 k1 7108. wf8 a5 k1 7109. wb8 kgg5 7110. wb5 k1 7111. wf2 kgl1 7112. wf3 k1 7113. wf5 a3 7114. fh5 kgl1 7115. na8 wb1 7116. nae8 a6 7117. fh1 a5 7118. a4 kgg4 7119. wf5 k7 7120. qfl1 kgg4 7121. wf5 k8 7122. wf5 a5 b5 7123. fh8 a5 b6 7124. gl2 [d4] 7125. wf5+ a7 b7 7126. wf5 a3 7127. dg7 khh3 7128. wh6 kcc3 7129. whd6 kgg3 7130. nae8 a6 7131. d1 kgl6 7132. wf5 a8 7133. na8 kkh3 7134. fh5 a8 k135. a3 kf6 7136. fh7 a4 7137. wf4 d7+ b6 7138. w6 a4 7139. wf3 k6 7140. wd3 k5 7141. fh8 k5 7142. wd8+ a7 7143. fh7 b6+ w5 7144. na8 a7 7145. wa6 a8 7146. wd3 h7 7147. fh8 k5 7148. fh8 a7 7149. fh6+ a6 7150. fh7 k5 7151. wf8 kcc5 7152. wd8+ a7 k6 7153. fh8 w6 7154. w6 a8 k4 7155. wf8 k6 7156. w6 a8 7157. wf3 k8 7158. na8 kf6 7159. na8 kb5 7160. fh5 k3 7161. wh3 a4 7162. wf3 b7 7163. wf4 d7+ b6 7164. wd6+ a7 b7 7165. na8 kb5 7166. na8 h5 7167. dg7 h8 7168. nae8 a6 7169. na8 a4 7170. wf5 a3 7171. wf5 a6 7172. fh5 k3 7173. wf5 a3 7174. nae8 a2 7175. wf5 kkh3 7176. wf5 k8 7177. dg7 kkh3 7178. na8 kgg3 7179. nae8 a7 7180. qb2 a6 7181. d8 a4 7182. dg8 h1 7183. nae8 kkh3 7184. na8 kgl4 7185. fh8 a4 7186. fbh8 hkh3 7187. fh5 k1 7188. wh6 kcc3 7189. fh8 a4 7190. w5 k1 7191. w5 a5 7192. fh7 a4 7193. wh4 a5 7194. wh8 k8 7195. fh8 a4 7196. wd5+ a7 b6 7197. wf5+ a6 7198. fh5 a5 wb6 7199. wf3 [d3] 7200. wf2 a7 7201. wf3 a3 7202. fh8h6+ a7 b7 7203. wa6+ a7 k7 7204. wa2 k4 7205. dg2 kcl1 7206. na4 na5 7207. wf5 a4 7208. wf3 k4 7209. wf3 a4 7210. dg8 k4 7211. wf5 a5 7212. wf5 kgl1 7213. dg4 a6 7214. wf2 a5+ 7215. wd2 kb5 7216. nae8 a4 7217. dg88 kb11 7218. wf5+ d7 7219. fh5 h6 7220. wf2 a5 7221. wf5 w6 7222. wf3 a3 7223. nae8 h5 7224. wf2 kb6 7225. wf3 a3 7226. nae8 a2 7227. fh5 h6 7228. nae8 kb11 7229. wf5 na1 7230. wf5 a1 7231. wb4 w7 7232. wf5+ a7 b7 7233. wf5 w7 7234. wcl w5 7235. wf5 a4 7236. dg7 k4 7237. fh3 k4 7238. wf3 a5+ 7239. wf2 a5 7240. wf3 h5 7241. dg4 khl1 7242. h4 a4 7243. dg8 h8 7244. fh88 khl1 7245. wa4 kfl 7246. wf5 b7 7247. wf5 w7 7248. fh2 a5 7249. fh3 a4 7250. fh8 a8 7251. fh8 a4 7252. wf3 kf4+ 7253. wf3 a4+ 7254. wf3 k4 7255. wf3 a8 7256. wf5 a4 7257. wf2 a7 7258. wf3 a5 7259. qb2 a4 7260. fh6 k1 7261. fh8 a6 7262. dg2 a7 7263. wf3 b6 7264. wa4 7264. wa2 b7 7265. wa6+ a7 7266. wa6h b7 7267. wh7 a6 b6 7268. fh7h6+ a6 7269. wh8 k4 7270. fh4 a2 7271. fh8 a6 7272. wf2 a4 7273. wf3 a5 7274. wf2 [d2] 7275. wf7 h3 7276. na8 a3 7277. wf6f6+ a6 7278. fh8 a5 7279. gl1 a4 7280. whh6 a2 7281. dg7 h2+ 7282. dg7 h4 7283. fh8 h1 7284. qa4+ a7 d5 7285. dg6 a8 7286. nae8 a5 7287. wf6d4+ a4 7288. wa3 k4 7289. dg7 a4 7290. fh8 a8 7291. wb2 kb1 7292. dg8 a7 7293. wa1 k5 7294. fh8 a5 7295. fh8 a2 7296. wb2 a4 7297. fh6 a8 7298. fh6 a5 7299. nae8 a5 7300. fh7 h1 7301. fh7 k5 7302. wa3 a5 7303. n2g3 a4 7304. nae8 a4 7305. fh8 a4 7306. fh2 h2 a5 7307. fhg2 k8 7308. fh7g6 k4 7309. fh8 a6 7310. nae8 a2 7311. wf4 a6 7312. wf3 a2 7313. wf4 d6+ a4 7314. wf6 w5 7315. fhg7 a2 7316. wh6 kb5 7317. fh8 a5 7318. qb2 k4 7319. na4 kb6 7320. dg7 k6 7321. a3 c7+ 7322. qa4+ a7 b5 7323. qb2 w5 7324. nae8 h4 7325. fh8 h2 7326. nae8 h4 7327. fh1 h2+ 7328. w6 a3 h3+ 7329. wf2 a1 7330. dg88 a2 7331. na8 a3 7332. na8 h4 7333. fh5 h8 a4 7334. fh8 a2 7335. wf6f6 h7 7336.

w7 h7 a8 7675. w6 h6 k2d 7676. w8 h8 k2d 7677. w3 b3 a7 7678. w4 a4 w8 7679. w5 b+
 f7 7680. f5 a5 g6 7684. f4 h4 b2d 7682. f4 e4 d2d 7683. w7 c4 k1 7684. w6 e1 7685. w4 a1
 k1 7686. w5 f5 k3 7687. w6 h6 a4 7688. w8 a5 k3 7689. w5 b5 a4 7690. w5 k1 7691. w1 h1
 a1 k1 7692. w5 f5 a2 7693. w6 h5 a4 7694. w5 a5 k2d 7695. c5 b5 d2d 7696. w5 k1 f1 7697. w2 b2
 f1 7698. w3 a3 a4 7699. w1 h1 a3 7700. w6 a6 a2 7701. w8 a5 k3 7702. c4 a4 a2 7703. k8 a8
 f5 7704. w3 a3 k3 7705. w8 h8 k8 7706. k8 a4 7707. w8 a2 7708. w8 h1 7709. w5 b5
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 7716. w6 h1 k1 7717. w2 h2 k1 7718. w6 d6 k1 7719. w8 h2 d1 7720. w5 b5 g1 k1 7721. w7 g+
 w6 7722. w2 g2 k1 7723. w8 h8 k1 7724. w3 k3 [e2] 7725. w5 a4 a2 7726. w5 a1 w7 7727. w3 f4
 a6 7728. w6 h7 7729. f7 h7 b7 7730. w5 a5 a4 7731. w5 b5 a7 7732. w5 e7 7733. w3 e4
 k2 7734. w7 c5 a6 + 7735. w5 a5 w5 7736. f3 k3 k3 7737. w2 f2 k3 7738. w4 h4 k7 7739. f1 w1
 k8 7740. w1 f1 a5 + 7741. w4 f4 k3 7742. f2 k2 7743. f8 h8 h7 7744. w3 c3 k7 7745. c4 k4
 w2 7746. w2 b2 k6 7747. w1 c1 e7 7748. w5 h5 h8 7749. w4 k4 k6 7750. f7 g7 w2 7751. w6 d6 k7
 7752. w4 d4 k3 7753. d5 a5 k3 7754. w6 f6 k3 7755. w4 d4 k7 7756. w5 a5 k7 + 7757. w6 a6 k6
 7758. w5 k1 7759. w2 f2 h8 7760. w3 k1 7761. w4 k8 k8 7762. w8 h4 k4 7763. w8 h5 k1
 7764. w5 k1 7765. w2 f2 h7 7766. w2 g2 h7 7767. w6 d6 k1 7767. w8 d4 k1 7768. w8 k2 7769. f7 d1 k1
 7770. w6 f6 k6 + 7771. w5 k2 7772. w6 d6 k1 7773. w8 a4 c1 7774. w8 d8 k1 7775. w8 k3 d3
 7776. w6 k1 d1 7777. w7 h7 b7 7778. w6 h6 b7 7779. w5 b+ w7 7780. w5 a+ w6 7781. w8 f8
 a3 7782. w8 k2 d7 7783. w5 g5 b7 7784. w3 g3 a4 7785. w2 g2 k2 7786. f8 h8 k1 7787. w6 e6
 a5 7788. w6 k4 7789. w3 f3 a5 7790. w8 a1 7791. w3 f3 k2 7792. w2 a5 w5 7793. f5 a5 a2
 7794. w5 g5 w7 7795. w3 k3 d1 7796. w3 f4 a4 7797. w2 g2 d5 7798. w8 h2 d1 7799. w8 g1
 [e1 a2] 7800. w2 h5 d3 7801. w8 a4 d1 7802. w5 d5 d4 7803. w3 k8 w8 7804. w6 d+ w7 7805
 w7 + w6 7806. c4 a4 k1 7807. w3 k3 7808. w5 b3 a1 7809. w4 h4 w5 7810. w6 b4 h3 7811
 f8 w5 7812. w1 h7 k4 a1 7813. w4 b4 a8 7814. w5 a5 d7 7815. w7 k3 k3 7816. w4 b4 w5 7817
 w8 k8 7818. w7 h7 w8 7819. w8 a5 7820. w6 h7 a8 7821. w8 k8 k8 7822. w4 b4 d7 7828. w8 h5 7829
 w8 k8 7830. w8 h8 k1 7831. w6 d6 h3 7832. w2 d7 k4 7833. w6 f4 d4 7834. w2 d5 7835.
 w8 a4 k3 7836. w3 k3 a4 7837. w1 e1 a5 7838. w7 e7 k5 7839. w4 h4 k4 7840. w7 d7 w5 7841
 w7 e7 b4 7842. f8 a1 d1 7843. f3 f1 f1 7844. w6 h7 7845. w4 k4 g3 7846. w3 k8 w8 7847. w5 b3
 w5 7848. w8 h8 k8 7849. w8 a4 7850. w8 h7 7851. d3 k1 k1 7852. f3 k8 7853. d3 w3 d7
 7854. w3 e8 7855. w7 k1 7856. w7 e7 k5 7857. w2 b2 k8 7858. w1 w7 7859. w7 e+ w6
 7860. w6 d+ w7 7861. w5 a5 w6 7862. w6 e6 k1 7863. w3 k3 a1 7864. w2 a5 w5 7865. w5 k3 d3
 7866. w5 a4 7867. w5 h5 a5 7868. f8 e8 a3 7869. f8 h8 a1 7870. w8 a5 k3 7871. w3 k3 d1
 7872. w8 e8 k2 7873. w2 h2 w1 7874. d3 [x3d3] 7875. f2 f4 a4 7876. w2 d1 k1 7877. w8 b+
 a5 7878. w8 a5 w5 7879. w7 w+ w5 7880. w7 w5 7881. w8 d8 k2 7882. w8 h8 k1 7883.
 w5 a8 7884. w3 k3 a1 7885. w2 b+ w6 7886. w6 a+ w7 7887. w8 k8 d5 7888. w2 a2
 7889. w8 h8 d1 7890. w4 d4 w6 7891. w4 h4 a4 7892. c2 a5 7893. w2 b7 7894. w8 a5
 7895. w5 h6 w2 7896. d4 w4 7897. w2 h4 a4 7898. w8 h8 a1 7899. w8 h4 7900. w8 f8
 w7 7901. w2 a5 a4 7902. f2 f2 a6 7903. w2 b2 a3 7904. c2 w4 7905. w1 h1 a3 7906. w1 h4
 d1 7907. w8 e1 w1 7908. d1 w1 7909. w8 a7 7910. w4 d4 w6 7911. w8 d+ w7 7912. w8 k8
 w5 7913. w8 f8 a5 7914. w2 h2 d5 7915. w3 k3 a4 7916. w2 b2 w5 7917. w8 h5 d5 7918. w5 b3
 d3 7919. w2 a6 7920. w6 a+ w7 7921. w3 a4 7922. w2 b2 w5 7923. w2 b2 w6 7924
 w2 b5 7925. w8 a5 k3 7926. w8 h4 7927. w8 h8 k3 7928. w7 e7 a4 7929. w3 k1 7930.
 w7 e7 a4 7931. w8 w1 7932. w2 h2 k8 7933. w8 h8 k3 7934. w8 d8 k3 7935. w6 a5 7936
 w7 e7 d5 7937. w7 b+ w5 7938. w7 b7 w5 7939. w7 b+ w5 7940. w8 a+ w5 7941. w8 h+
 w5 7942. w4 b6 7943. w8 b+ w5 7944. w2 b2 w6 7945. w8 a2 k1 7946. w8 a5 7947. f7
 f2 k4 7948. w2 k4 7949. w1 [xg3g1] 7950. w4 k4 a1 7951. w2 h3 k7 7952. w8 h6 k2 d7
 7953. d4 k7 7954. w7 h1 a2 7955. w8 k4 w7 7956. w3 f4 k7 7957. f1 w1 w6 7958. w6 h6 g3
 7959. d5 k2 7960. w1 h5 h4 7961. w3 d3 h2 7962. w7 k4 a4 7963. w1 h7 a3 7964. w6 d+
 w5 7965. w4 h3 7966. w5 f5 a4 w6 7967. w7 k7 h2 7968. w7 k7 k3 7969. f8 h8 k2 7970. w8 k8
 h2 7971. w7 f6 k7 7972. w5 f7 7973. w7 h7 a3 7974. w2 k2 7975. w5 f5 a3 7976. d7
 w4 7977. w4 a+ w5 7978. w5 a5 w6 7979. f4 w5 7980. d2 h2 h2 7981. d7 w6 7982.
 w6 d+ w5 7983. w3 d3 d3 w6 7984. w8 a4 d2 7985. w8 k8 w6 7986. w5 h5 w6 7987. w5 a5 k3
 7988. w5 h5 7989. w5 a3 7990. w1 b1 k4 7991. w3 d3 h1 7992. w2 d4 h4 7993. w1 h1 k1
 w4 7994. w7 k1 7995. w3 k3 7996. w3 k3 7997. w5 k5 7999. w8 k8 8000. w2 d2
 8001. w4 d4 k4 8002. f3 k3 k3 8003. w5 d5 k4 8004. f3 k3 k3 8005. w8 k8 8006.
 w7 h5 k7 8007. w7 h3 8008. w8 a4 8009. w8 k4 8010. f8 a3 8011

♟f2+ ♟c3 8393. ♞h4 ♜ch3 8394. ♞g3 ♞hh1 8395. ♞h4 ♟g4 8396. ♞e1 ♟gg1 8397. ♞e6+ ♜a5 8398. ♞e1 ♟g5 8399. [♞xc1] ♟f3+ 8400. ♞e7 ♟fg3 8401. ♞d2 ♟f1 8402. ♞f2 ♜a4 8403. ♟f5 ♟g6 8404. ♞d5 ♠b5 8405. ♞a2+ ♞b4 8406. ♞c2 ♜a5 8407. ♞c1 ♠d1 8408. ♟g5 ♠d8 8409. ♞f6 ♠d6 8410. ♞e6 ♟gg8 8411. ♞e4 ♠d1 8412. ♞e2 ♠h6 8413. ♞e4 ♜a6 8414. ♞g6 ♟e8+ 8415. ♞f6 ♠b3 8416. ♞g7 ♠a8 8417. ♟g5 ♠d1 8418. ♞g6 ♟c8 8419. ♞g4 ♠a8 8420. ♞g6 ♟c3 8421. ♟g5 ♟g3 8422. ♞g4 ♠b3 8423. ♟g5 ♠hh8 8424. ♞g6 ♠h6 8425. ♞f6 ♟c8 8426. ♞g7 ♠f7 8427. ♞f6 ♟g8 8428. ♞e7 ♟e8+ 8429. ♞d7 ♠d8+ 8430. ♞e7 ♟f8 8431. ♞e4 ♠d8 8432. ♞c4+ ♜a5 8433. ♞e4 ♠h7 8434. ♞e2 ♠h6 8435. ♞d1 ♠hg6 8436. ♞c2 ♞b6 8437. ♞e4 ♜a5 8438. ♞g4 ♟gg8 8439. ♞e4 ♠e8 8440. ♞e6 ♠d6 8441. ♞g4 ♟g6 8442. ♞c6 ♠b3 8443. ♞f6 ♠bg3 8444. ♠h8 ♠b5 8445. ♞f6 ♠a7 8446. ♟g5+ ♠b5 8447. ♞c3 ♠d1 8448. ♟g5 ♠f6 8449. ♞c1 ♟fg6 8450. ♞c4 ♟f1 8451. ♞c1 ♠d4 8452. ♞c2 ♠b5 8453. ♞d1 ♞b4 8454. ♞c2 ♟fg3 8455. ♞a2 ♟fg3 8456. ♞h2 ♜a4 8457. ♞a2+ ♠a3 8458. ♞d5 ♠ag3 8459. ♞a6 ♠c3 8460. ♞d5 ♟c6 8461. ♟f5 ♟cg6 8462. ♞c5 ♟g5 8463. ♟f5 ♠h5 8464. ♞f2 ♠f7 8465. ♞f6 ♜a5 8466. ♞e7 ♠e8 8467. ♞d2 ♠f7 8468. ♞d6 ♠h1 8469. ♞e7 ♠h8 8470. ♞c1 ♠h1 8471. ♞f6 ♟f3+ 8472. ♞e7 ♠fh3 8473. ♞f6 ♜a6 8474. [♞xc3] ♠d5 8475. ♞b3 ♠e4 8476. ♞c2 ♠b3 8477. ♞g2 ♠b7 8478. ♞h2 ♜a5 8479. ♞b8 ♟f1+ 8480. ♞e7 ♟e5+ 8481. ♞d8 ♠b4 8482. ♞a7+ ♞b5 8483. ♞f2 ♟g1 8484. ♞d2 ♟c5 8485. ♠h6 ♠bb1 8486. ♞f6 ♠bc1 8487. ♞d6 ♟g3 8488. ♞e7 ♟g7 8489. ♞e3 ♜a5 8490. ♞e5 ♟c3 8491. ♞e3 ♟g3 8492. ♞e4 ♠a8 8493. ♞e7 ♟cd3+ 8494. ♞e8 ♠dc3 8495. ♞d8 ♠c6 8496. ♞e4 ♠a8 8497. ♞h7 ♠b7 8498. ♞e4 ♟g2 8499. ♞e3 ♟g3 8500. ♞c1 ♟g7 8501. ♞e3 ♞b5 8502. ♞e5 ♜a5 8503. ♟f5 ♟c1 8504. ♞e5 ♟e7 8505. ♞e3 ♟g7 8506. ♞c3+ ♞b5 8507. ♞c3 ♠a1 8508. ♞e7 ♠ac1 8509. ♟f8 ♟g3 8510. ♞e7 ♟cg1 8511. ♞d6 ♟gc1 8512. ♟f8 ♟gg1 8513. ♞d6 ♞b4 8514. ♟f6 ♞b5 8515. ♟f4 ♠b1 8516. ♞f6 ♠be1 8517. ♠h6 ♠b1 8518. ♟f8 ♠b4 8519. ♠h6 ♜a4 8520. ♞d2 ♞b5 8521. ♞f2 ♟e5 8522. ♞d2 ♟f1 8523. ♞f2 ♞a6 8524. ♞a7+ ♞b5 8525. ♞b8 ♜a6 8526. ♞d7 ♠b3 8527. ♞d8 ♟ef5 8528. ♞e7 ♟e5+ 8529. ♞d7 ♜a5 8530. ♞e7 ♠f3 8531. ♞f6 ♠b7+ 8532. ♞g6 ♠h1 8533. ♞f6 ♠bb1 8534. ♞h2 ♠b3 8535. ♞b2 ♟g5 8536. ♞h2 ♠c8 8537. ♟g2 ♠b7 8538. ♞f7 ♠e4 8539. ♞f6 ♟g4 8540. ♞c2 ♟g5 8541. ♞e7 ♠bh3 8542. ♞f6 ♟g4 8543. ♞b3 ♟g5 8544. ♞b1 ♠d5 8545. ♞b3 ♠g8 8546. ♞c3 ♠d5 8547. ♞d4 ♠f7 8548. ♞c3 ♞b6 8549. [♞xh3] ♜a7 8550. ♞e7 ♜a6 8551. ♞d6 ♟g6+ 8552. ♞e5 ♠d5 8553. ♞f1+ ♞b7 8554. ♟f5 ♟g7 8555. ♞c1 ♟g8 8556. ♠a1 ♟f8+ 8557. ♞e5 ♠a2 8558. ♞b1+ ♠b3 8559. ♞f1 ♠c2 8560. ♟f4 ♠c8 8561. ♞a4 ♠c7 8562. ♞f6 ♠h7 8563. ♞b3+ ♞c6 8564. ♞c2+ ♞d7 8565. ♞g7 ♠g8 8566. ♞c6+ ♞e7 8567. ♞c3 ♟c5 8568. ♞c2 ♠h7 8569. ♞c3 ♠g8 8570. ♜a5 ♠c7 8571. ♞c3 ♞d7 8572. ♞c6+ ♞e7 8573. ♞c2 ♞d7 8574. ♞h2 ♠h7 8575. ♞c2 ♠f5 8576. ♞f6 ♠h7 8577. ♞c2 ♞c6 8578. ♞c2+ ♞b6 8579. ♞b3+ ♞c6 8580. ♞d1 ♞b7 8581. ♞b3+ ♜a8 8582. ♞a4+ ♞b7 8583. ♞e6 ♠c2 8584. ♞f6 ♠h2 8585. ♞e5 ♠h1 8586. ♞e6 ♠c8 8587. ♞e5 ♠c3 8588. ♟f4 ♠c8 8589. ♟f3 ♠f8 8590. ♟f4 ♠fh8 8591. ♞f1 ♠f8 8592. ♞c4 ♠b3 8593. ♞f1 ♞c8 8594. ♞b1 ♞b7 8595. ♞d1 ♠a2 8596. ♞b1+ ♞c8 8597. ♠a1 ♞b7 8598. ♞d4 ♠d5 8599. ♞e5 ♠a8 8600. ♟f5 ♟f8+ 8601. ♞f6 ♠g8 8602. ♠a1 ♠a2 8603. ♞c1 ♠d5 8604. ♞c2 ♟g7 8605. ♞c1 ♠b3 8606. ♞f1 ♠d5 8607. ♞g1 ♟g6 8608. ♞f1 ♟gh6 8609. ♞e5 ♟g6 8610. ♞f2 ♜a6 8611. ♞f1+ ♠c4 8612. ♠h3 ♠d5 8613. ♞g4 ♠f7 8614. ♠h3 ♟g4 8615. ♞d6 ♟g6+ 8616. ♞e6 ♟g5 8617. ♠h3 ♠b1 8618. ♞e7 ♠h1 8619. ♟f3 ♜a7 8620. ♠h3 ♟g7 8621. ♞f6 ♟g5 8622. ♠a3+ ♞b6 8623. ♠h3 ♞c5 8624. [♞xf7] ♟gg1 8625. ♟g3 ♠h8 8626. ♞b3 ♠e1 8627. ♞a2 ♟e7+ 8628. ♞f6 ♠e3 8629. ♞g5 ♠e8 8630. ♜a5+ ♞c4 8631. ♞f6 ♟e6+ 8632. ♞g5 ♟c6 8633. ♞e5 ♟g6+ 8634. ♟f5 ♟gh6 8635. ♞e2+ ♞b3 8636. ♞e4 ♠e8+ 8637. ♞d3 ♠ee6 8638. ♟f3 ♟e5 8639. ♟g2 ♠hh5 8640. ♟f3 ♠a3 8641. ♠h3 ♠h7 8642. ♞g2 ♠d7+ 8643. ♞c4 ♠de7 8644. ♞d3 ♠d7+ 8645. ♞c3 ♠h7 8646. ♞d3 ♠a7 8647. ♠h3 ♠h7 8648. ♟f5 ♠h5 8649. ♠h3 ♠b5 8650. ♟f3 ♠be5 8651. ♟f4 ♞b3 8652. ♟f3 ♟eg5 8653. ♞g2 ♠e5 8654. ♞c4 ♠h6 8655. ♞g2 ♟g5 8656. ♟f3 ♟e5 8657. ♞c6 ♠ce6 8658. ♟f3 ♜a4 8659. ♞c2 ♞b3 8660. ♞e4 ♠e8 8661. ♞c2 ♠d8+ 8662. ♞e4 ♠e8+ 8663. ♞f4 ♠eh8 8664. ♞e4 ♟g8 8665. ♟f5 ♟gh8 8666. ♞f2 ♜c4 8667. ♞e2+ ♞c5 8668. ♞e5+ ♞c4 8669. ♞d6 ♟g6 8670. ♞e5 ♠d6 8671. ♞g5 ♟g6+ 8672. ♞f4 ♠c6 8673. ♞g5 ♠d8 8674. ♜a5 ♠h8 8675. ♟f5 ♟e6 8676. ♞g5 ♟e5+ 8677. ♞f6 ♟e6+ 8678. ♟f5 ♠ee8 8679. ♞f6 ♞d4 8680. ♟g5 ♞c4 8681. ♞e1 ♞c5 8682. ♜a5+ ♞d4 8683. ♠a2 ♞c5 8684. ♠a6 ♠e3 8685. ♠a2 ♞c6 8686. ♞f6 ♞c5 8687. ♞f7 ♟e7+ 8688. ♞f6 ♠e1 8689. ♞f7 ♞d6 8690. ♞b3 ♞c5 8691. ♠a4 ♟g1 8692. ♞b3 ♠c1 8693. ♟g3 ♟g1 8694. ♟g6 ♠hh1 8695. ♟g3 ♠e1 8696. ♠h3 ♟eg1 8697. ♠h7 ♟g5 8698. ♠h3 ♞c6 8699. [♞xh1+] ♞b6 8700. ♟g1+ ♜a5 8701. ♞e1+ ♜a4 8702. ♞e8 ♟g1 8703. ♠a1+ ♞b4 8704. ♞e5 ♠b1 8705. ♞c5+ ♞b3 8706. ♞c7 ♟f1 8707. ♠a7 ♟g1 8708. ♠a1 ♠h1 8709. ♟g7 ♞b4 8710. ♞g2 ♞b3 8711. ♟g4 ♠h4 8712. ♞g2 ♠f4 8713. ♞c2+ ♞b4 8714. ♞c7 ♠f1 8715. ♠h2 ♠f7 8716. ♠h1 ♞c5 8717. ♠h6 ♠a7 8718. ♠h1 ♠f7 8719. ♞d5+ ♞b4 8720. ♠h1 ♜a5 8721. ♠h2 ♞b4 8722. ♟g3 ♠f1 8723. ♠h2 ♞b5 8724. ♞c7 ♞b4 8725. ♞d7 ♠f4 8726. ♞c7 ♜a4 8727. ♞c2+ ♞b4 8728. ♞d2+ ♞b3 8729. ♞c2+ ♜a3 8730. ♞g2 ♞b3 8731. ♞d7 ♠h4 8732. ♞e8 ♞c3 8733. ♟g4 ♞b3 8734. ♞d4 ♠h1 8735. ♟g4 ♞c2 8736. ♞g2+ ♞b3 8737. ♞c6 ♞b4 8738. ♞g2 ♟f1 8739. ♟g7 ♠h1 8740. ♟g5 ♞b3 8741. ♟g7 ♠h7 8742. ♠a1 ♠h1 8743. ♞f7 ♟g1 8744. ♞e8 ♠b1 8745. ♠a7 ♟g1 8746. ♠a8 ♠f1 8747. ♠a7 ♠f2 8748. ♞c7 ♟f1 8749. ♞e5 ♠b1 8750. ♞c7 ♠h1 8751. ♞c5 ♠b1 8752. ♞c1 ♞b4 8753. ♞c5+ ♜a4 8754. ♞e5 ♞b4 8755. ♟f8 ♟g1 8756. ♞e8 ♜a4 8757. ♠a1+ ♞b4 8758. ♞e1+ ♜a4 8759. ♞c3 ♟g5 8760. ♞e1 ♠h5 8761. ♞f7 ♟g5 8762. ♞d1+ ♜a5 8763. ♞e1+ ♞b5 8764. ♟g1 ♜a5 8765. ♟g2 ♞b6 8766. ♟g1+ ♞b5 8767. ♠h1 ♞b6 8768. ♞c1 ♞b5 8769. ♠a1 ♞c6 8770. ♠h1+ ♞d7 8771. ♞f6 ♞e8 8772. ♞g2 ♟g8 8773. ♞e6 ♟g7 8774. [♞xg7] ♞d8 8775. ♠h7 ♞c8 8776. ♟g7 ♞b8 8777. ♟f5 ♠a8 8778. ♞c3 ♞b7 8779. ♞g6 ♜a8 8780. ♞d3 ♞b8 8781. ♞f7 ♞c7 8782. ♞f6 ♞b7 8783. ♞d7+ ♞b8 8784. ♞d2 ♞c7 8785. ♞c3+ ♞b6 8786. ♞g6 ♞b7 8787. ♞c2 ♠a7 8788. ♞c7+ ♜a8 8789. ♟g3 ♞b7 8790. ♟g1 ♞c6 8791. ♞f1 ♞b7 8792. ♞g5 ♜a8 8793. ♟f4 ♠a7 8794. ♞c1 ♠a8 8795. ♞c3 ♠a7 8796. ♞c2 ♜a8 8797. ♞c8+ ♠a7 8798. ♞c7+ ♜a8 8799. ♞c8+ ♠a7 8800. ♞c2 ♜a8 8801. ♞c3 ♠a7 8802. ♞c1 ♜a8 8803. ♟f4 ♠a7 8804. ♞f1 ♠a8 8805. ♞d1 ♞b7 8806. ♞f1 ♞b8 8807. ♞g6 ♞b7 8808. ♠h3 ♞c6 8809. ♞f1 ♞c5 8810. ♟g1+ ♞c6 8811. ♞a1 ♞b7 8812. ♟g1 ♠a8 8813. ♟g3 ♞b7 8814. ♞c7+ ♜a8 8815. ♞d8+ ♠a7 8816. ♞c7+ ♠a6 8817. ♞c2 ♠a7 8818. ♞f2+ ♞b7 8819. ♞c2 ♞b6 8820. ♞c3 ♞b7 8821. ♞f6 ♞b6 8822. ♞c2+ ♞c7 8823. ♞c3+ ♞d6 8824. ♞d2+ ♞c7 8825. ♞c2+ ♞b8 8826. ♞d2 ♜a8 8827. ♞d7 ♞b8 8828. ♞d4 ♞b7 8829. ♞d7+ ♜a8 8830. ♞d3 ♞b7 8831. ♞b5+ ♞c7 8832. ♞d3 ♞b6 8833. ♞f7 ♞c7 8834. ♠h3 ♞b8 8835. ♞d3 ♠a7 8836. ♞g6 ♞b8 8837. ♞c3 ♜a8 8838. ♞d3 ♞b7 8839. ♞c3 ♜a8 8840. ♟f5 ♞b7 8841. ♟g7+ ♜a8 8842. ♞g6 ♞b8 8843. ♟g7 ♞c8 8844. ♞c6 ♞b8 8845. ♠h7 ♞c8 8846. ♠h6 ♞d8 8847. ♠h7 ♞e8 8848. ♟g7 ♞d8 8849. [♞d7++]

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References

- ↑ FIDE handbook – E.I.01. Laws of chess, 2020. handbook. fide.com/chapter/E012018.
- ↑ Max Euwe. Mengentheoretische betrachtungen über das schachspiel. *Proc. Konin. Akad. Wetenschappen*, 1929.
- ↑ Saul Kripke. Outline of a theory of truth. *The Journal of Philosophy*, 72(19):690–716, 1975.
- ↑ Tom Murphy, VII. Survival in chessland. In *A Record of the Proceedings of SIGBOVIK 2019*. ACH, April 2019.
- ↑ Tom Murphy, VII, Ben Blum, and Jim McCann. It still seems black has hope in these extremely unfair variants of chess. In *A Record of the Proceedings of SIGBOVIK 2014*, pages 21–25. ACH, April 2014. sigbovik.org/2014.
- ↑ N. J. A. Sloane. Thue-Morse sequence. https://oeis.org/A010060.

- ↑ Axel Thue. über unendliche zeichenreihen. *Norske Vid Selsk. Skr. I Mat-Nat Kl.(Christiana)*, 7:1–22, 1906.
- ↑ Wikipedia. Fifty-move rule. http://en.wikipedia.org/wiki/Fifty-move_rule.
- ↑ Wikipedia. Threefold repetition. http://en.wikipedia.org/wiki/Threefold_repetition.
- ↑ Victor Zakharov and Vladimir Makhnichev. Lomonosov endgame tablebases, 2012. https://chessok.com/?page_id=27966.