Solving The Genius's Monorail
A Winning Strategy for the First Player

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Abstract

`Monorail` is a two-person tile placing game that was popularized by the South Korean reality show `The Genius` in 2014. This paper outlines a computer-assisted proof that `Monorail` is a win for the first player. The proof applies the minimax algorithm to equivalence classes of positions within the game. To the author's knowledge, this is the first publicly published solution to the game.

Background

`The Genius` was a South Korean reality show that aired for 4 seasons, from 2013 to 2015, where players were eliminated through a series of social/strategy games. The prize for winning each season ranged from approximately $50,000 to $100,000. Additionally, a Dutch version of the show aired for 1 season in 2022 (which had no prize). In both versions of the show, each episode would culminate in a "Death Match", a game that was used to determine which of two contestants would be eliminated. `Monorail` was used as a Death Match twice during the Korean series, and two additional times during the Dutch series (where it was called "On Track"). While some players claimed to know a winning strategy, their strategies were never rigorously presented on the program and they never were in a Death Match when `Monorail` was played, so it is impossible to determine whether those strategies were correct and complete.

Rules

`Monorail` is a tile-placing game where the objective is to finish a looping train track. The game is played with a set of 16 identical double-sided square tiles with train tracks on them. One side of the tile has the train tracks continuing in a straight line, while the other side has the train tracks turning 90 degrees (Figure 1).
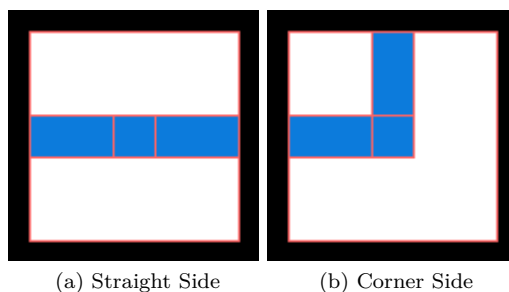

(a) Straight Side   (b) Corner Side

Figure 1: Sides of tiles

Before the start of the game, a special double-wide tile is placed that represents the train station (Figure 2). On each player's turn, they may place 1, 2 or 3 tiles, subject to the following conditions:
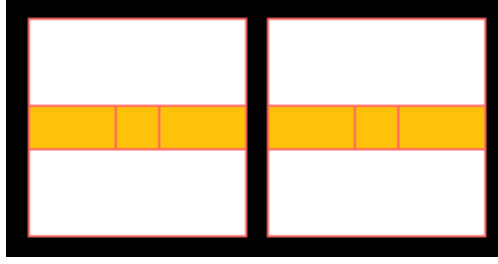
Figure 2: Station

- At least 1 of the placed tiles must be orthogonally adjacent to a previously placed tile
- All placed tiles must be adjacent and in a straight line (either horizontally, or vertically)

The player may always choose which side of each tile is face-up and the rotation of each tile. This means they can always connect any two edges of the tile with train tracks by placing it in a specific way. Additionally, the tiles placed by the player do not need to connect to the existing track, nor does the track need to be connected between the placed tiles (e.g. Figure 3). The move restrictions are on where the tiles are placed, not the orientation of the tiles.
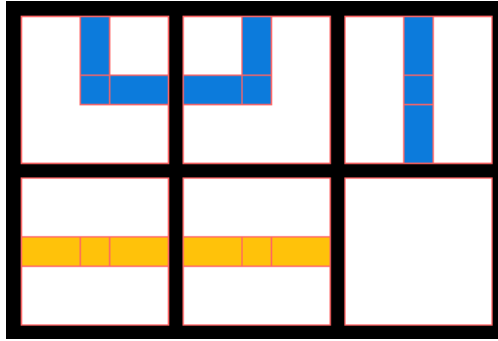

Figure 3: Example starting move

The goal of the game is to be the player that finishes a loop that connects the start and end of the station (Figure 4).

A player wins if they place tiles that finish a loop, provided that the loop uses all the tiles that have been placed. However, the loop does not need to use all 16 tiles in the game.

In some cases, it may become impossible to complete a loop with the remaining tiles (e.g. Figure 5).

If a player believes this is the case, they may declare the task impossible and challenge their opponent to complete the loop. Their opponent can then use any or all the remaining tiles to try to complete a loop. If they can complete the loop, they win. If they cannot, the player who declared the loop impossible wins.

Rule Modifications for Analysis

If it were ever the case during a game that the loop was impossible to complete, it is clear that the player whose turn it is could win by declaring that fact. Thus, in a game between perfect strategists, it would never be to a player's benefit to make a move that resulted in a track that cannot be completed. Additionally, if a player starts their turn in a position where the track is completable, they may always make a move that results in a track that is completable by extending the track one tile along one of the possible routes. Thus, a player will never be forced to make a move that turns a completable track into one that cannot be completed. Therefore, the rules can be modified so that a player may not make a move that results in a
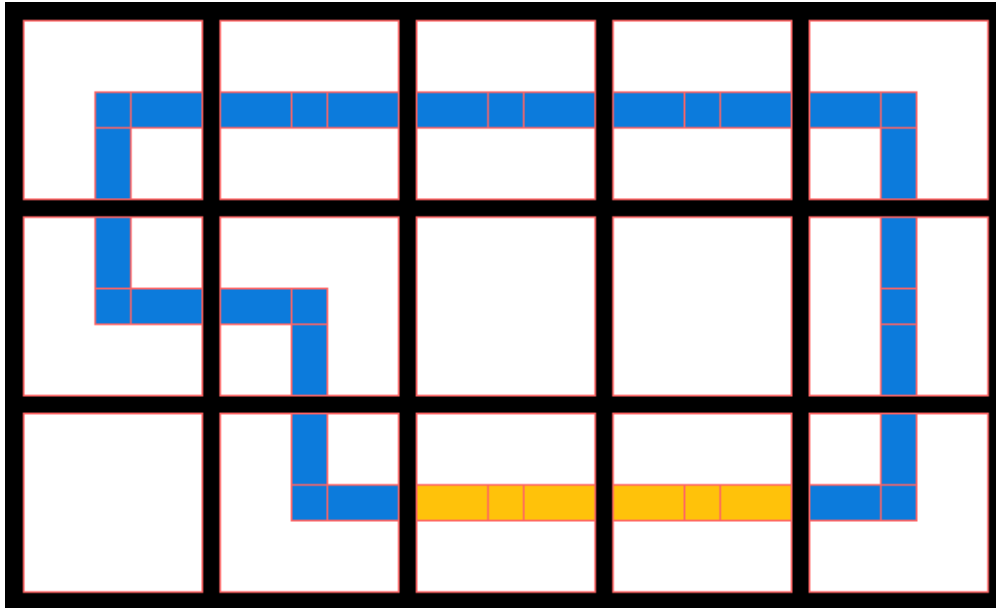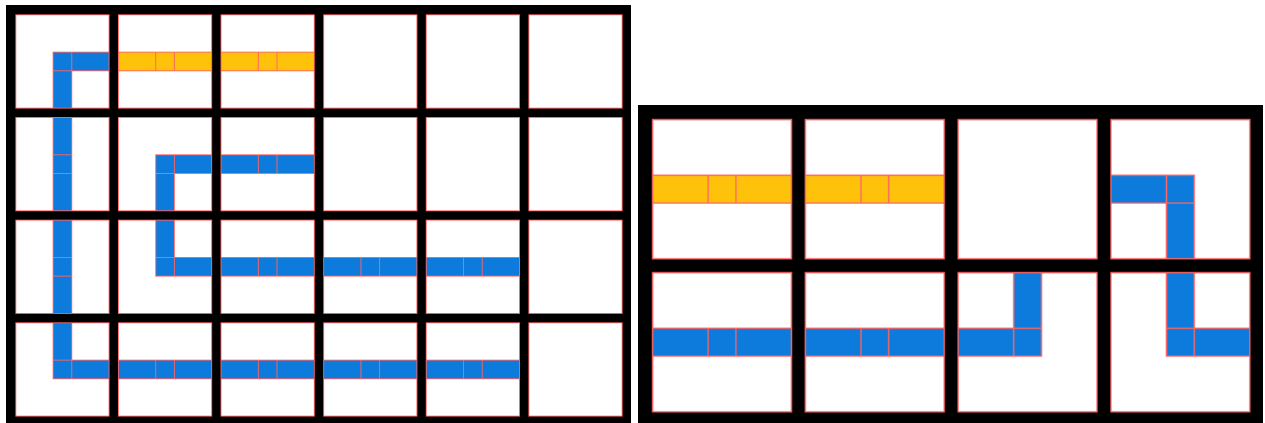
Figure 4: Example finished game

(a) Not enough tiles remaining

(b) Impossible junction

Figure 5: Impossible to complete a loop

track that's impossible to complete. This simplifies the assessment of positions without affecting whether each position is winning or losing for the player to move.

Mathematical background

Feasibility of Using the Minimax Algorithm

`Monorail` is a finite, two-player, turn-taking game with no randomness or hidden information. Therefore, it is theoretically solvable by applying the minimax algorithm. However, not all games that are theoretically solvable by minimax can be solved in practice. In some cases, running the algorithm to completion would be infeasible due to the number of possible positions in the game (e.g. chess).

Thus, it is advisable to estimate the number of possible positions in `Monorail` before committing to using minimax. One starting point for this estimate is to determine the number of distinct loops that can be made in `Monorail`. A manual examination of small loops and a search of the Online Encyclopedia of Integer Sequences found A002931: "Number of self-avoiding polygons of length 2n on square lattice (not allowing rotations)". This revealed that there are 15,268 possible loops with 18 tiles (2 station tiles + 16 playable tiles). However, in `Monorail` two games may end with a loop of the same shape but with the station in different locations. Additionally, there will be positions in partially finished games that are not considered when only counting full loops. We can calculate a loose upper-bound for the number of positions in games that finish will no leftover tiles as:

Number of possible loops $*$ Number of possible station placements $*$ Number of possible intermediate positions

$$< 15,268 * 18 * 2^{16} = 18,010,865,664$$

However, some games will finish before using every tile. Using analogous calculations and adding to the previous result yields an upper-bound of $18,837,595,856$ total positions. However, this is clearly an overestimate as:

- Not every loop will have space for a station (i.e. 2 connected horizontal tiles)
- In loops that can fit a station, the station may only go in limited spots
- Many calculated partially finished games cannot occur, since they include non-adjacent tiles and
- The same partially finished position can occur for many distinct final tracks

In fact, a search finds that factoring in where stations may be placed reduces the number of possible loops to $23,162$ (including translations) and reduces the upper-bound for number of possible positions to $1,317,857,408$.

Finally, this number could also be reduced even further (if needed) by treating translations, mirror images and rotations as identical for calculation purposes, suggesting that minimax is a feasible approach.

Results

Following implementation, the minimax algorithm successfully found a winning move for the first player. An examination of the move showed that it uniquely determined the loop that could be finished with the remaining tiles (Figure 6).

From the position following this move, there are a total of 4900 positions that can be reached (including the one immediately after the move). However, many of these positions are effectively the same. For example, the 2 positions in Figure 7 have 8 tiles remaining unplaced, and a move must be either in the group of 5 tiles forming a long L, or the set of 3 tiles in a line. There is a clear analogue between the moves in one position and the moves in the other position. These positions may be considered to belong to the same equivalence
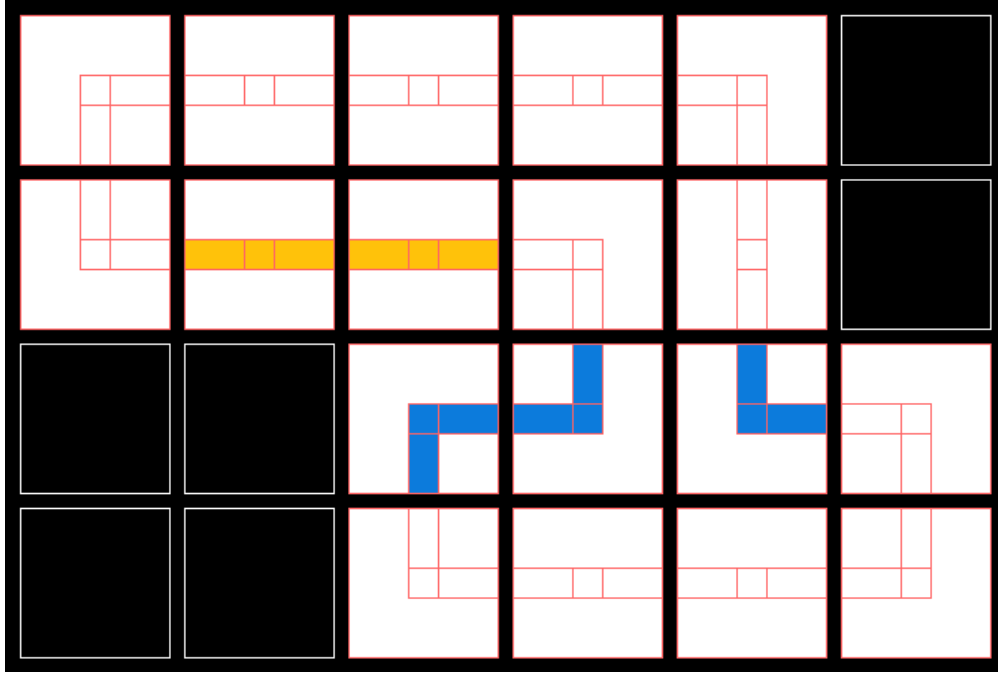
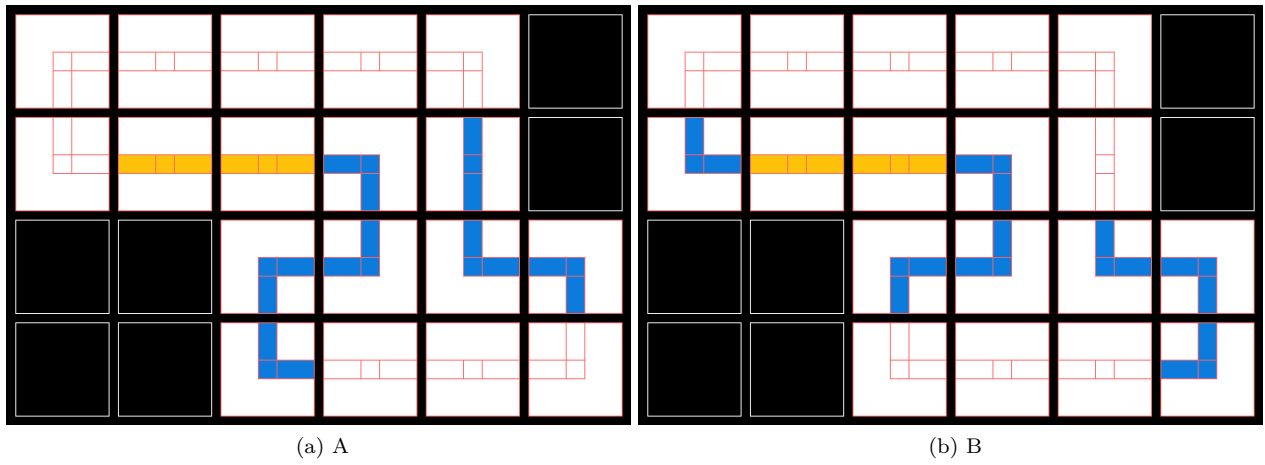Figure 6: Winning move with only possible path

(a) A

(b) B

Figure 7: Positions from the same class

class and the strategy found by the minimax algorithm may be expressed more compactly by referencing these classes.

Care must be taken when determining which positions belong to the same equivalence class, because some positions which look similar have important differences. For example, the two positions in Figure 8 look similar because the three remaining spots to play a tile are in an L shape. However, in position A, it is legal to place only the corner piece (since it is adjacent to an already placed piece), while in position B it is not. In fact, playing in the corner is the only winning move in position A, while it is a losing move in position B.
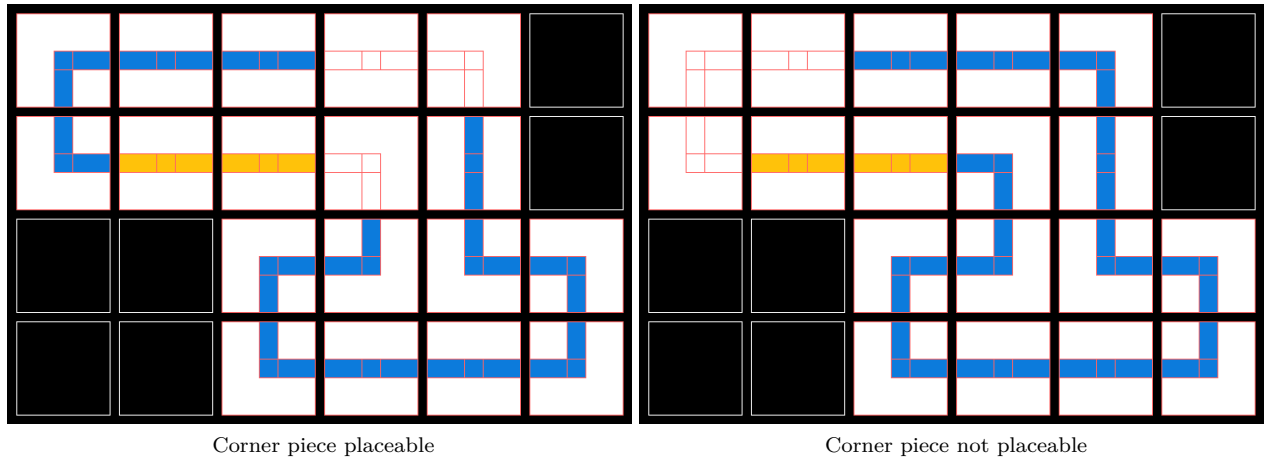

Corner piece placeable   Corner piece not placeable

Figure 8: Distinct L Groups

If all the empty-spots in a position are adjacent, we call the collection of spots a "base group". There are 23 equivalence classes of base groups, as seen in Figure 9. If the empty spots in a position form 2 or more distinct groups, we refer to the the position by concatenating all of shapes present with hyphens (e.g. the position after the winning move contains both an L4x and an S+L3x, making it an L4x-S+L3x). To be unambiguous, when multiple groups are present, they are written in alphabetical order (with numbers considered before letters), e.g. the equivalence class of a position with both an L and an S is "L-S", not "S-L".

This approach reduces the search space from 4900 positions to 392 equivalence classes. A full proof with each equivalence class, possible moves and position evaluation (i.e. Winning or Losing) is included in the appendix.
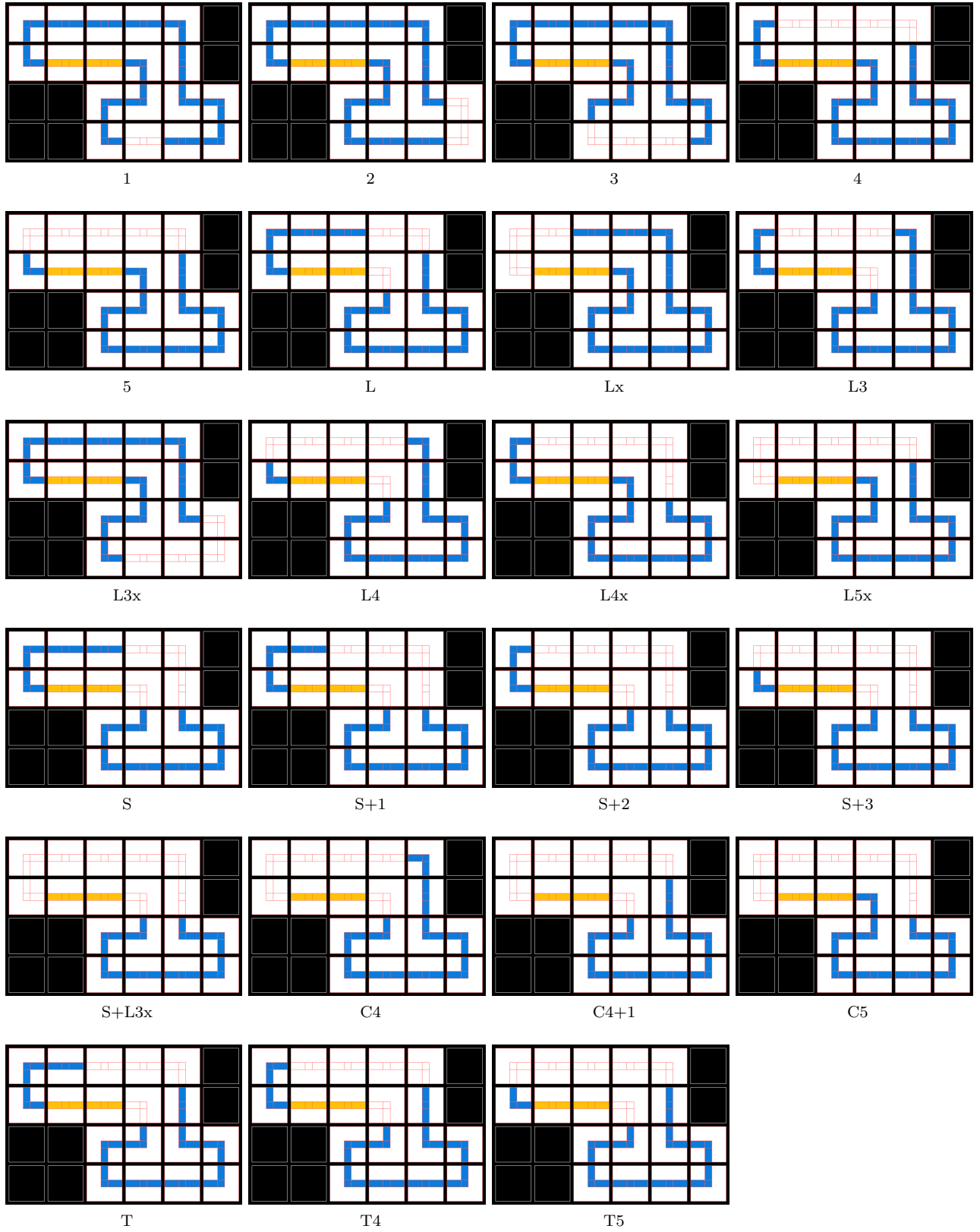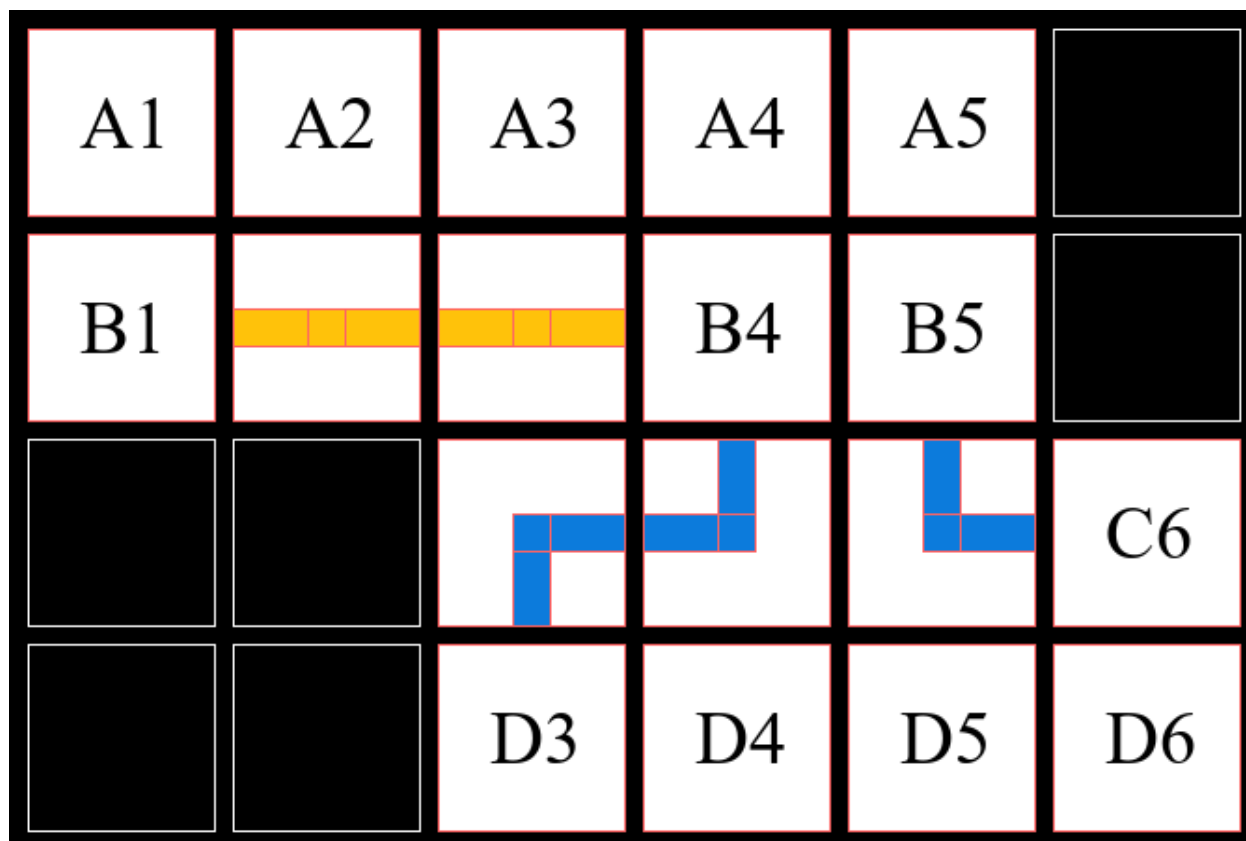
Figure 9: Base Groups

Appendix

Figure 10: Alphanumeric labeling of squares

In this appendix, squares are denoted by a letter and number, which refer to a row and column in the position diagrams. Moves are referred to by the squares where tiles are placed (See Figure 10). The orientation of the tiles is forced due to there only being 1 way to complete a path, which makes this notation unambiguous. Each equivalence class of positions is listed on its own page, with a diagram of a particular position within that class. A table is listed below each diagram with the list of all possible moves, what class of positions results from making that move (which is a clickable link to jump to that page of the appendix) and whether making that move results in a win or loss if both players make no additional mistakes.

Note that because the pages are for equivalence classes of positions, different positions may link to the same page. For example, the positions in Figure 7 are both of equivalence class 3-L5x. Each section lists one representative position and the moves that can be made in that position. Other positions within the same equivalence class may also exist and will have different available moves. However, due to the way the equivalence classes are defined, every move for a position in the equivalence class will have an equivalent move available in the displayed position. A move and its equivalent move may result in different positions, but the different states will be part of the same equivalence class. This ensures win/loss evaluations are the same for all positions within an equivalence class.

Classes are ordered first by the number of remaining tiles, then alphabetically. See the Results section for more details on equivalence class naming conventions.
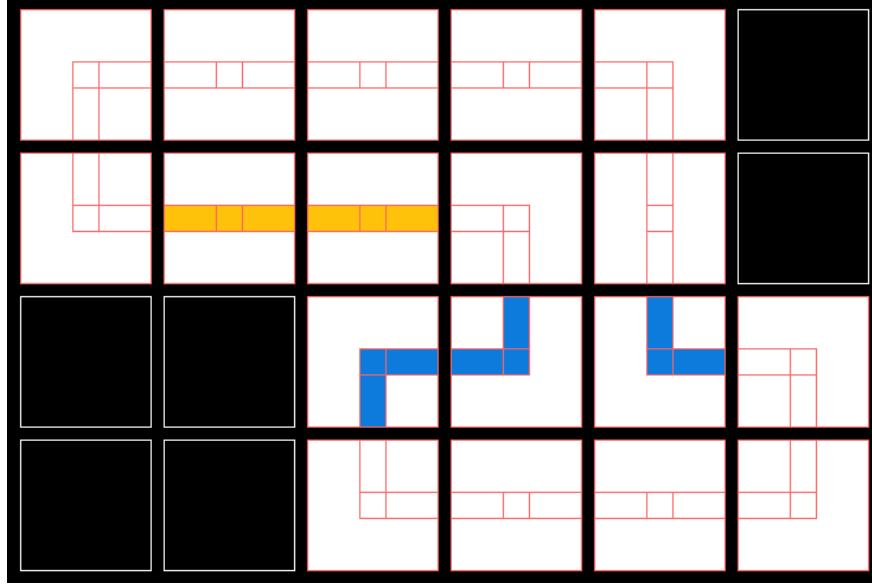
Figure 11: L4x-S+L3x

L4x-S+L3x

Move	New State	Result
A1,A2	1-L4x-S+1	Loss
A1,A2,A3	1-L4x-S	Loss
A1,B1	L4x-S+2	Loss
A2	2-L4x-S+1	Loss
A2,A3	2-L4x-S	Loss
A2,A3,A4	2-L-L4x	Loss
A3	L4x-Lx-S	Loss
A3,A4	L-L4x-Lx	Loss
A3,A4,A5	2-L4x-Lx	Loss
A4,B4	2-L3x-L4x	Loss
A5,B5	C4-L4x	Loss
B1	L4x-S+3	Loss
B4	C5-L4x	Loss
B4,B5	L4x-L5x	Loss
B5	C4+1-L4x	Loss
C6	4-S+L3x	Loss
C6,D6	3-S+L3x	Loss
D3	L3x-S+L3x	Loss
D3,D4	Lx-S+L3x	Loss
D3,D4,D5	2-S+L3x	Loss
D4	1-Lx-S+L3x	Loss
D4,D5	1-2-S+L3x	Loss
D4,D5,D6	1-1-S+L3x	Loss
D5	2-2-S+L3x	Loss
D5,D6	1-2-S+L3x	Loss

1-Lx-S+L3x
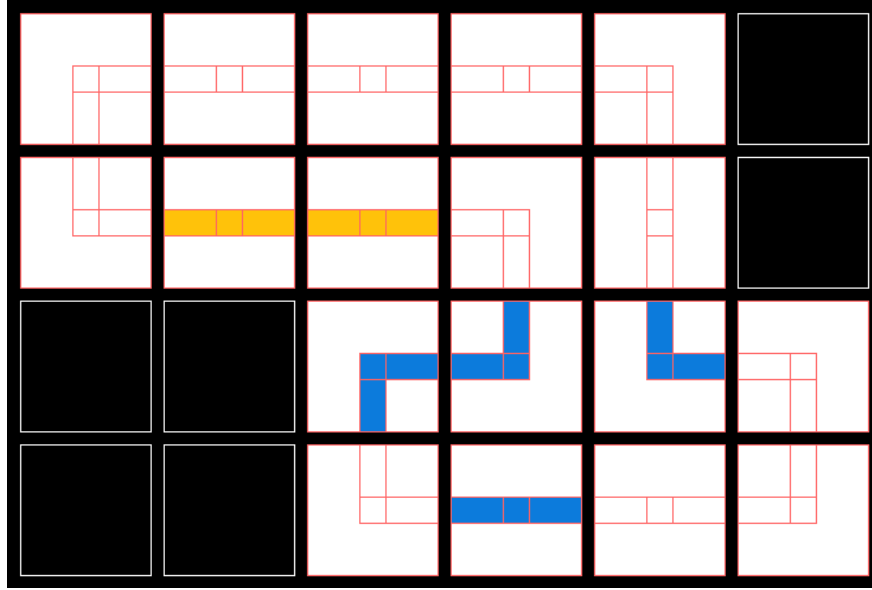
Figure 12: 1-Lx-S+L3x

Move	New State	Result
A1,A2	1-1-Lx-S+1	Win
A1,A2,A3	1-1-Lx-S	Loss
A1,B1	1-Lx-S+2	Loss
A2	1-2-Lx-S+1	Loss
A2,A3	1-2-Lx-S	Loss
A2,A3,A4	1-2-L-Lx	Win
A3	1-Lx-Lx-S	Win
A3,A4	1-L-Lx-Lx	Loss
A3,A4,A5	1-2-Lx-Lx	Loss
A4,B4	1-2-L3x-Lx	Loss
A5,B5	1-C4-Lx	Loss
B1	1-Lx-S+3	Loss
B4	1-C5-Lx	Loss
B4,B5	1-L5x-Lx	Loss
B5	1-C4+1-Lx	Loss
C6	1-2-S+L3x	Loss
C6,D6	1-1-S+L3x	Loss
D3	Lx-S+L3x	Loss
D5	1-2-S+L3x	Loss
D5,D6	1-1-S+L3x	Loss

2-2-S+L3x
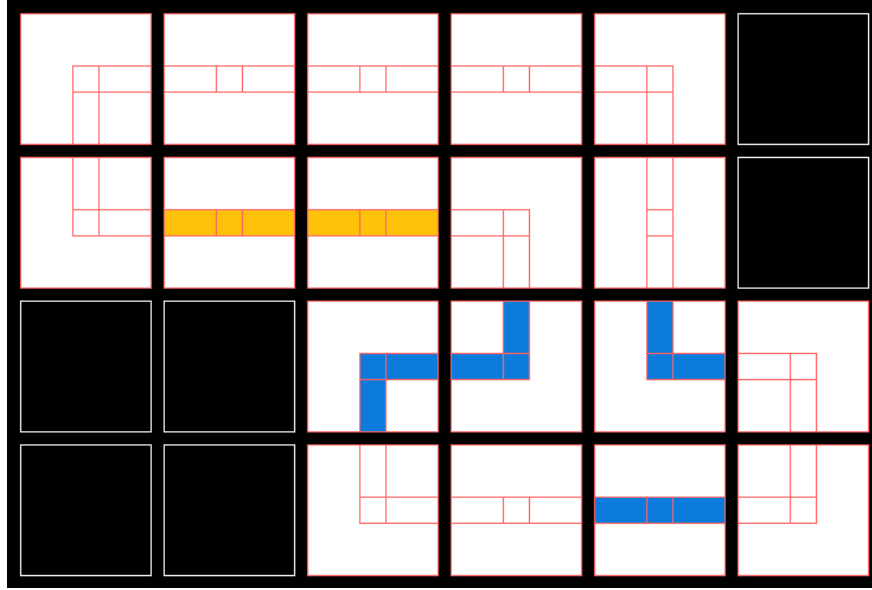
Figure 13: 2-2-S+L3x

Move	New State	Result
A1,A2	1-2-2-S+1	Loss
A1,A2,A3	1-2-2-S	Win
A1,B1	2-2-S+2	Loss
A2	2-2-2-S+1	Loss
A2,A3	2-2-2-S	Loss
A2,A3,A4	2-2-2-L	Loss
A3	2-2-Lx-S	Loss
A3,A4	2-2-L-Lx	Loss
A3,A4,A5	2-2-2-Lx	Loss
A4,B4	2-2-2-L3x	Loss
A5,B5	2-2-C4	Loss
B1	2-2-S+3	Loss
B4	2-2-C5	Loss
B4,B5	2-2-L5x	Loss
B5	2-2-C4+1	Loss
C6	1-2-S+L3x	Loss
C6,D6	2-S+L3x	Loss
D3	1-2-S+L3x	Loss
D3,D4	2-S+L3x	Loss
D4	1-2-S+L3x	Loss
D6	1-2-S+L3x	Loss

2-L4x-S+1
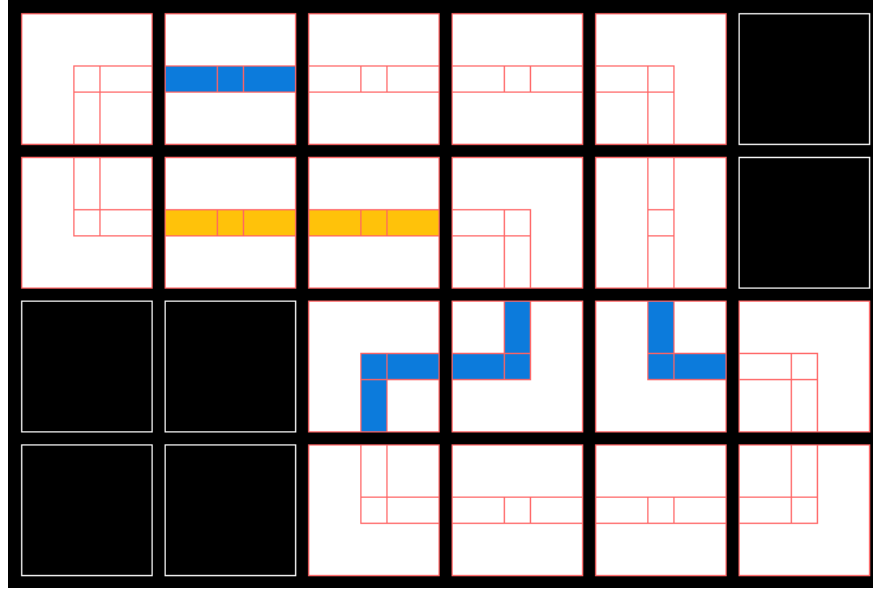
Figure 14: 2-L4x-S+1

Move	New State	Result
A1	1-L4x-S+1	Loss
A1,B1	L4x-S+1	Loss
A3	2-L4x-S	Loss
A3,A4	2-L-L4x	Loss
A3,A4,A5	2-2-L4x	Loss
A4,B4	1-2-2-L4x	Loss
A5,B5	2-L-L4x	Loss
B1	1-L4x-S+1	Loss
B4	2-L3x-L4x	Loss
B4,B5	2-3-L4x	Loss
B5	2-L4x-T	Loss
C6	2-4-S+1	Loss
C6,D6	2-3-S+1	Loss
D3	2-L3x-S+1	Loss
D3,D4	2-Lx-S+1	Loss
D3,D4,D5	2-2-S+1	Win
D4	1-2-Lx-S+1	Loss
D4,D5	1-2-2-S+1	Loss
D4,D5,D6	1-1-2-S+1	Loss
D5	2-2-2-S+1	Loss
D5,D6	1-2-2-S+1	Loss

4-S+L3x
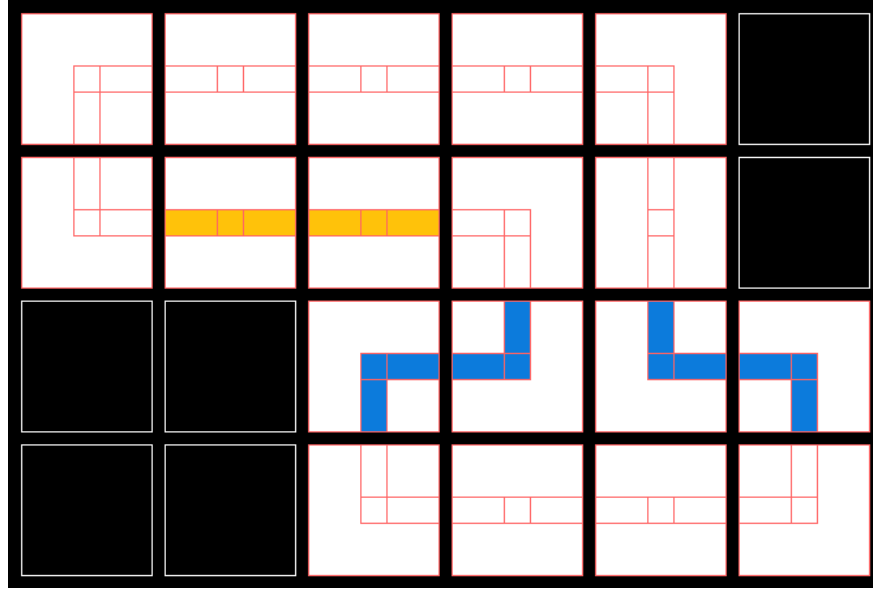
Figure 15: 4-S+L3x

Move	New State	Result
A1,A2	1-4-S+1	Loss
A1,A2,A3	1-4-S	Loss
A1,B1	4-S+2	Loss
A2	2-4-S+1	Loss
A2,A3	2-4-S	Loss
A2,A3,A4	2-4-L	Loss
A3	4-Lx-S	Loss
A3,A4	4-L-Lx	Loss
A3,A4,A5	2-4-Lx	Loss
A4,B4	2-4-L3x	Loss
A5,B5	4-C4	Loss
B1	4-S+3	Win
B4	4-C5	Loss
B4,B5	4-L5x	Loss
B5	4-C4+1	Win
D3	3-S+L3x	Loss
D3,D4	2-S+L3x	Loss
D3,D4,D5	1-S+L3x	Loss
D4	1-2-S+L3x	Loss
D4,D5	1-1-S+L3x	Loss
D4,D5,D6	1-S+L3x	Loss
D5	1-2-S+L3x	Loss
D5,D6	2-S+L3x	Loss
D6	3-S+L3x	Loss

C4+1-L4x
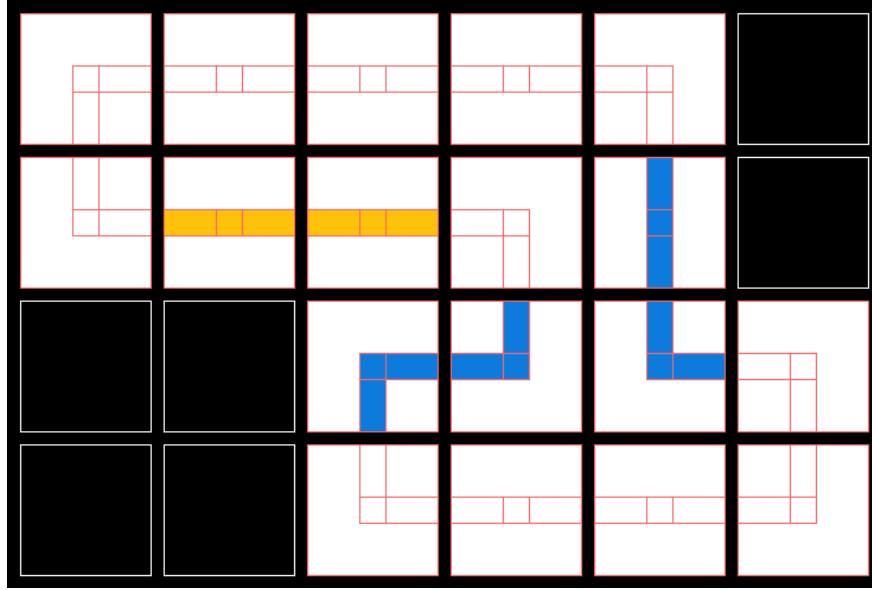
Figure 16: C4+1-L4x

Move	New State	Result
A1,A2	1-L4x-T	Loss
A1,A2,A3	1-L-L4x	Loss
A1,B1	L4x-T4	Win
A2	2-L4x-T	Loss
A2,A3	2-L-L4x	Loss
A2,A3,A4	1-1-2-L4x	Loss
A3	L-L4x-Lx	Loss
A3,A4	1-1-L4x-Lx	Loss
A3,A4,A5	1-L4x-Lx	Loss
A4,A5	1-L3x-L4x	Win
A4,B4	1-L3x-L4x	Win
A5	C4-L4x	Loss
B1	L4x-T5	Loss
B4	L4x-L5x	Loss
C6	4-C4+1	Win
C6,D6	3-C4+1	Loss
D3	C4+1-L3x	Win
D3,D4	C4+1-Lx	Loss
D3,D4,D5	2-C4+1	Loss
D4	1-C4+1-Lx	Loss
D4,D5	1-2-C4+1	Loss
D4,D5,D6	1-1-C4+1	Loss
D5	2-2-C4+1	Loss
D5,D6	1-2-C4+1	Loss

C5-L4x
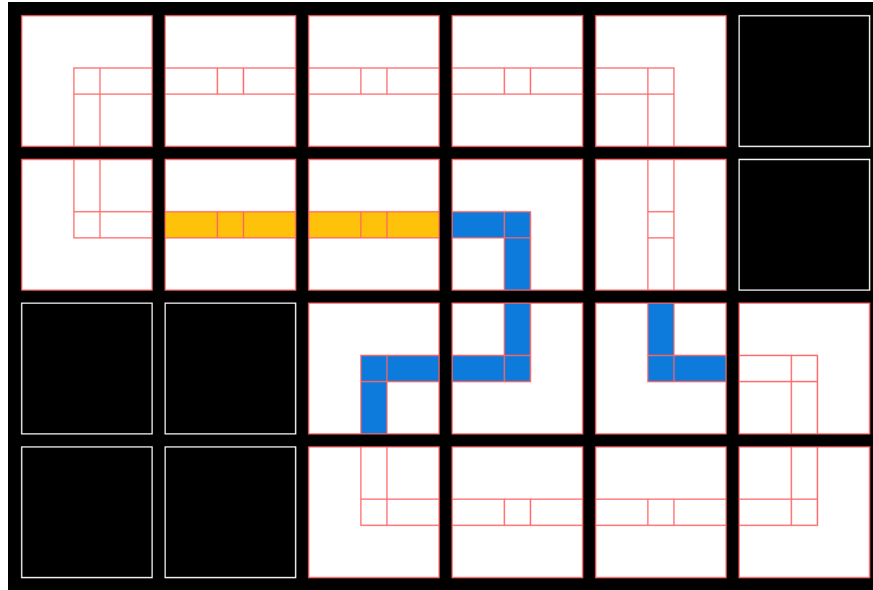
Figure 17: C5-L4x

Move	New State	Result
A1,A2	1-L3x-L4x	Win
A1,A2,A3	1-L4x-Lx	Loss
A1,B1	L4x-L4x	Win
A2	2-L3x-L4x	Loss
A2,A3	2-L4x-Lx	Loss
A2,A3,A4	2-2-L4x	Loss
A3	L4x-Lx-Lx	Loss
A3,A4	2-L4x-Lx	Loss
A3,A4,A5	1-L4x-Lx	Loss
A4	2-L3x-L4x	Loss
A4,A5	1-L3x-L4x	Win
A5,B5	L4x-L4x	Win
B1	L4x-L5x	Loss
B5	L4x-L5x	Loss
C6	4-C5	Loss
C6,D6	3-C5	Win
D3	C5-L3x	Loss
D3,D4	C5-Lx	Loss
D3,D4,D5	2-C5	Loss
D4	1-C5-Lx	Loss
D4,D5	1-2-C5	Win
D4,D5,D6	1-1-C5	Loss
D5	2-2-C5	Loss
D5,D6	1-2-C5	Win

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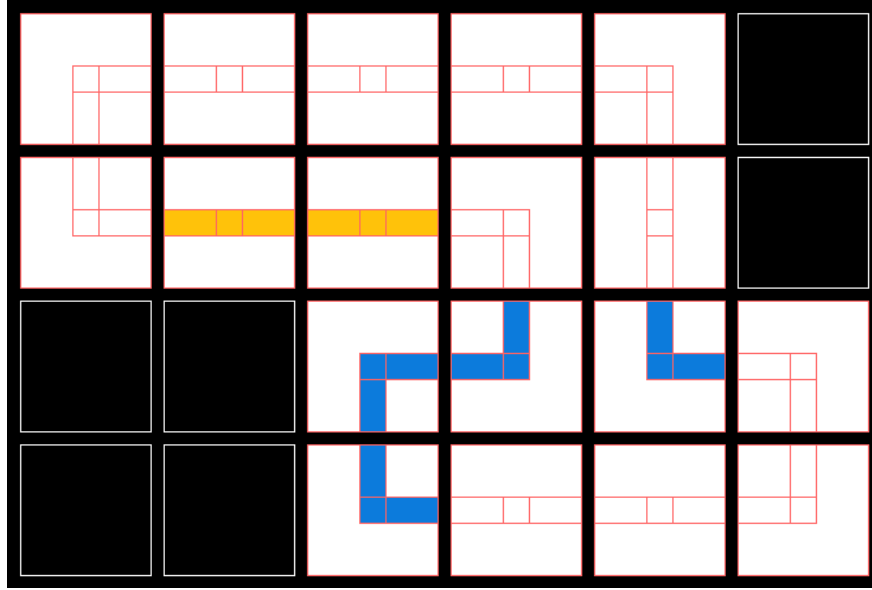
L3x-S+L3x

Figure 18: L3x-S+L3x

Move	New State	Result
A1,A2	1-L3x-S+1	Loss
A1,A2,A3	1-L3x-S	Loss
A1,B1	L3x-S+2	Loss
A2	2-L3x-S+1	Loss
A2,A3	2-L3x-S	Loss
A2,A3,A4	2-L-L3x	Loss
A3	L3x-Lx-S	Loss
A3,A4	L-L3x-Lx	Loss
A3,A4,A5	2-L3x-Lx	Loss
A4,B4	2-L3x-L3x	Loss
A5,B5	C4-L3x	Loss
B1	L3x-S+3	Win
B4	C5-L3x	Loss
B4,B5	L3x-L5x	Loss
B5	C4+1-L3x	Win
C6	3-S+L3x	Loss
C6,D6	2-S+L3x	Loss
D4	Lx-S+L3x	Loss
D4,D5	2-S+L3x	Loss
D4,D5,D6	1-S+L3x	Loss
D5	1-2-S+L3x	Loss
D5,D6	1-1-S+L3x	Loss

L4x-Lx-S
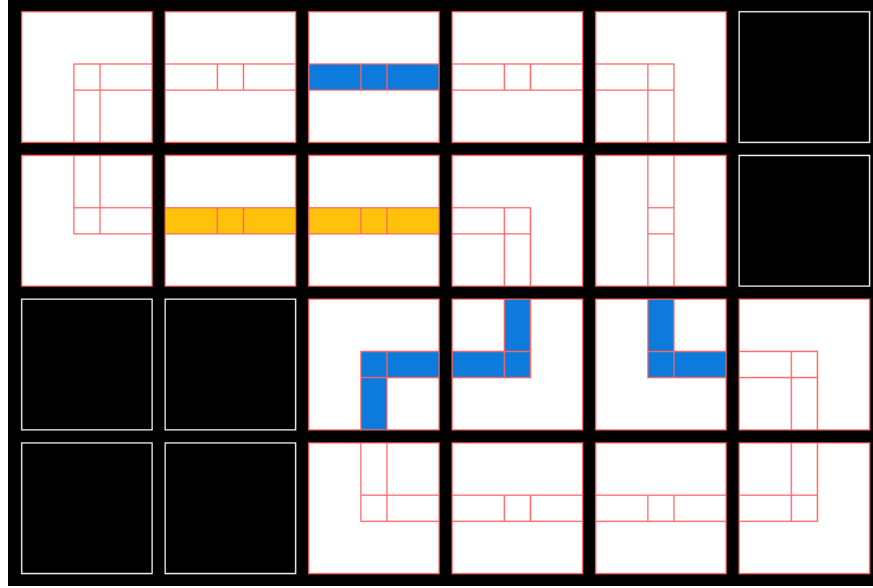
Figure 19: L4x-Lx-S

Move	New State	Result
A1,A2	1-L4x-S	Loss
A1,B1	1-L4x-S	Loss
A2	2-L4x-S	Loss
A4	L-L4x-Lx	Loss
A4,A5	2-L4x-Lx	Loss
A4,B4	2-L4x-Lx	Loss
A5,B5	2-L4x-Lx	Loss
B1	2-L4x-S	Loss
B4	L4x-Lx-Lx	Loss
B4,B5	2-L4x-Lx	Loss
B5	L-L4x-Lx	Loss
C6	4-Lx-S	Loss
C6,D6	3-Lx-S	Loss
D3	L3x-Lx-S	Loss
D3,D4	Lx-Lx-S	Loss
D3,D4,D5	2-Lx-S	Loss
D4	1-Lx-Lx-S	Win
D4,D5	1-2-Lx-S	Loss
D4,D5,D6	1-1-Lx-S	Loss
D5	2-2-Lx-S	Loss
D5,D6	1-2-Lx-S	Loss

L4x-S+3
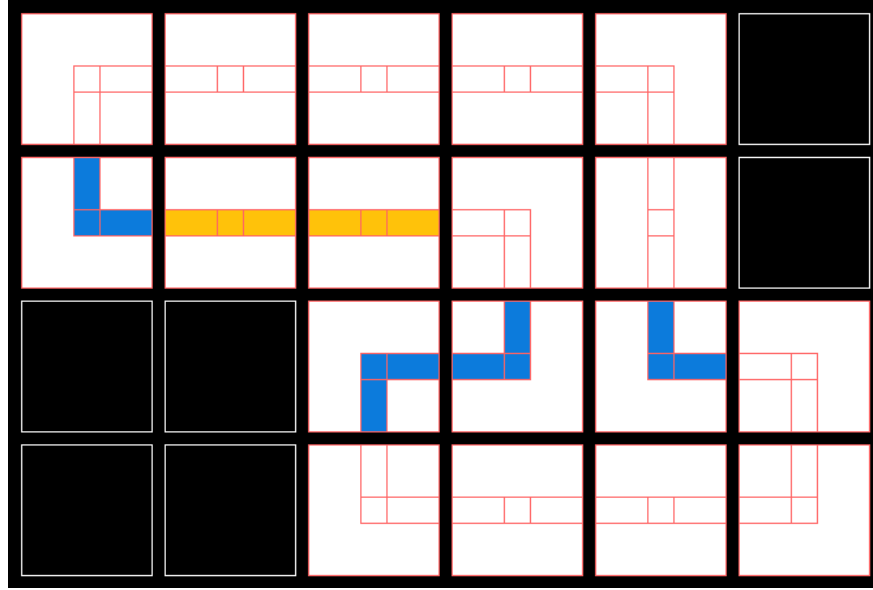
Figure 20: L4x-S+3

Move	New State	Result
A1	L4x-S+2	Loss
A1,A2	L4x-S+1	Loss
A1,A2,A3	L4x-S	Loss
A2	1-L4x-S+1	Loss
A2,A3	1-L4x-S	Loss
A2,A3,A4	1-L-L4x	Loss
A3	2-L4x-S	Loss
A3,A4	2-L-L4x	Loss
A3,A4,A5	2-2-L4x	Loss
A4,B4	2-3-L4x	Loss
A5,B5	L4-L4x	Loss
B4	L4x-L5x	Loss
B4,B5	5-L4x	Loss
B5	L4x-T5	Loss
C6	4-S+3	Win
C6,D6	3-S+3	Loss
D3	L3x-S+3	Win
D3,D4	Lx-S+3	Loss
D3,D4,D5	2-S+3	Loss
D4	1-Lx-S+3	Loss
D4,D5	1-2-S+3	Loss
D4,D5,D6	1-1-S+3	Loss
D5	2-2-S+3	Loss
D5,D6	1-2-S+3	Loss

18
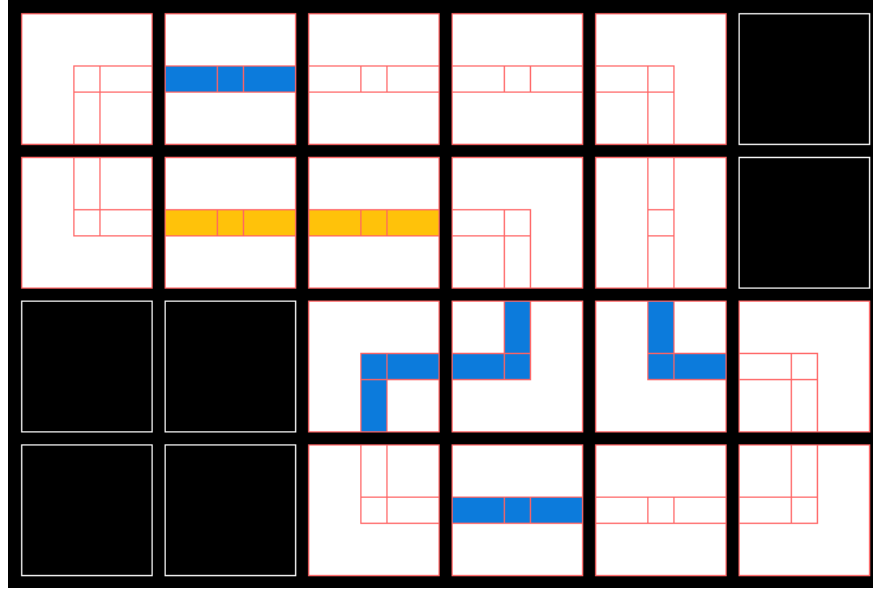
1-2-Lx-S+1

Figure 21: 1-2-Lx-S+1

Move	New State	Result
A1	1-1-Lx-S+1	Win
A1,B1	1-Lx-S+1	Loss
A3	1-2-Lx-S	Loss
A3,A4	1-2-L-Lx	Win
A3,A4,A5	1-2-2-Lx	Loss
A4,B4	1-1-2-2-Lx	Win
A5,B5	1-2-L-Lx	Win
B1	1-1-Lx-S+1	Win
B4	1-2-L3x-Lx	Loss
B4,B5	1-2-3-Lx	Win
B5	1-2-Lx-T	Loss
C6	1-2-2-S+1	Loss
C6,D6	1-1-2-S+1	Loss
D3	2-Lx-S+1	Loss
D5	1-2-2-S+1	Loss
D5,D6	1-1-2-S+1	Loss

1-2-S+L3x
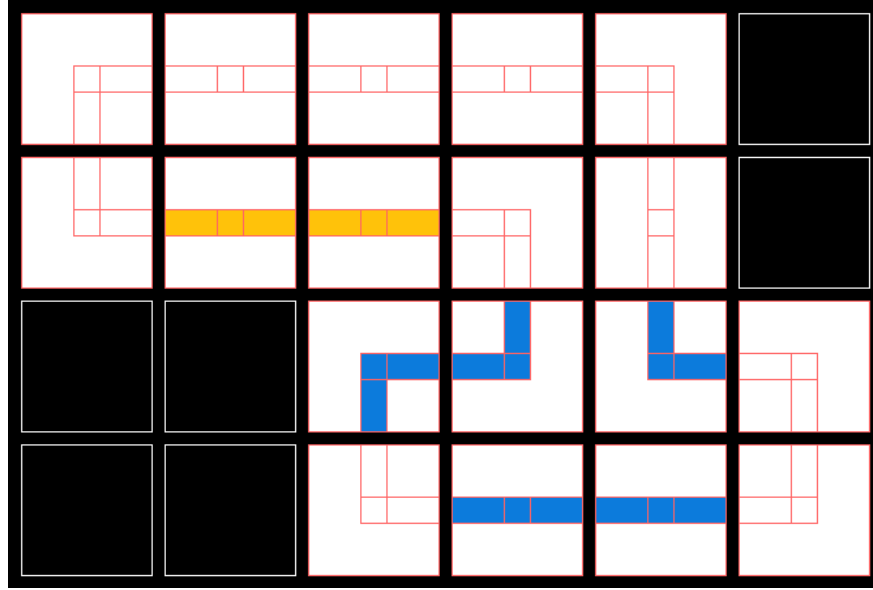
Figure 22: 1-2-S+L3x

Move	New State	Result
A1,A2	1-1-2-S+1	Loss
A1,A2,A3	1-1-2-S	Loss
A1,B1	1-2-S+2	Loss
A2	1-2-2-S+1	Loss
A2,A3	1-2-2-S	Win
A2,A3,A4	1-2-2-L	Loss
A3	1-2-Lx-S	Loss
A3,A4	1-2-L-Lx	Win
A3,A4,A5	1-2-2-Lx	Loss
A4,B4	1-2-2-L3x	Loss
A5,B5	1-2-C4	Loss
B1	1-2-S+3	Loss
B4	1-2-C5	Win
B4,B5	1-2-L5x	Loss
B5	1-2-C4+1	Loss
C6	1-1-S+L3x	Loss
C6,D6	1-S+L3x	Loss
D3	2-S+L3x	Loss
D6	1-1-S+L3x	Loss

1-C4+1-Lx
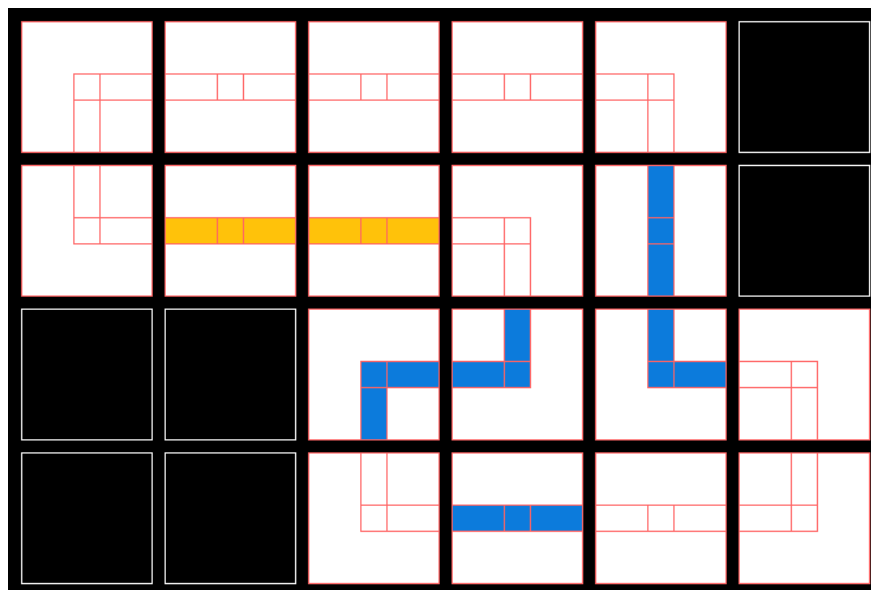
Figure 23: 1-C4+1-Lx

Move	New State	Result
A1,A2	1-1-Lx-T	Loss
A1,A2,A3	1-1-L-Lx	Loss
A1,B1	1-Lx-T4	Loss
A2	1-2-Lx-T	Loss
A2,A3	1-2-L-Lx	Win
A2,A3,A4	1-1-1-2-Lx	Loss
A3	1-L-Lx-Lx	Loss
A3,A4	1-1-1-Lx-Lx	Loss
A3,A4,A5	1-1-Lx-Lx	Win
A4,A5	1-1-L3x-Lx	Loss
A4,B4	1-1-L3x-Lx	Loss
A5	1-C4-Lx	Loss
B1	1-Lx-T5	Loss
B4	1-L5x-Lx	Loss
C6	1-2-C4+1	Loss
C6,D6	1-1-C4+1	Loss
D3	C4+1-Lx	Loss
D5	1-2-C4+1	Loss
D5,D6	1-1-C4+1	Loss

1-C5-Lx
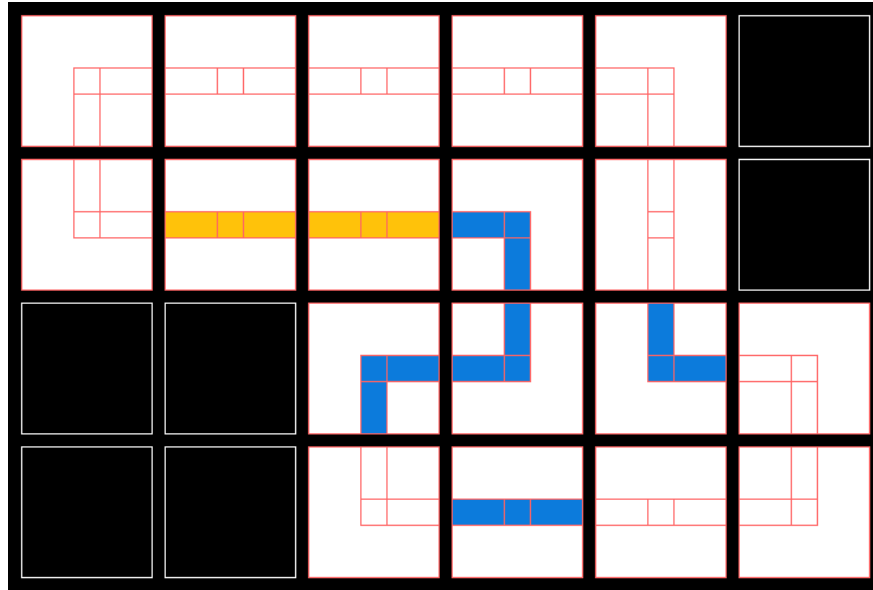
Figure 24: 1-C5-Lx

Move	New State	Result
A1,A2	1-1-L3x-Lx	Loss
A1,A2,A3	1-1-Lx-Lx	Win
A1,B1	1-L4x-Lx	Loss
A2	1-2-L3x-Lx	Loss
A2,A3	1-2-Lx-Lx	Loss
A2,A3,A4	1-2-2-Lx	Loss
A3	1-Lx-Lx-Lx	Loss
A3,A4	1-2-Lx-Lx	Loss
A3,A4,A5	1-1-Lx-Lx	Win
A4	1-2-L3x-Lx	Loss
A4,A5	1-1-L3x-Lx	Loss
A5,B5	1-L4x-Lx	Loss
B1	1-L5x-Lx	Loss
B5	1-L5x-Lx	Loss
C6	1-2-C5	Win
C6,D6	1-1-C5	Loss
D3	C5-Lx	Loss
D5	1-2-C5	Win
D5,D6	1-1-C5	Loss

1-L4x-S+1
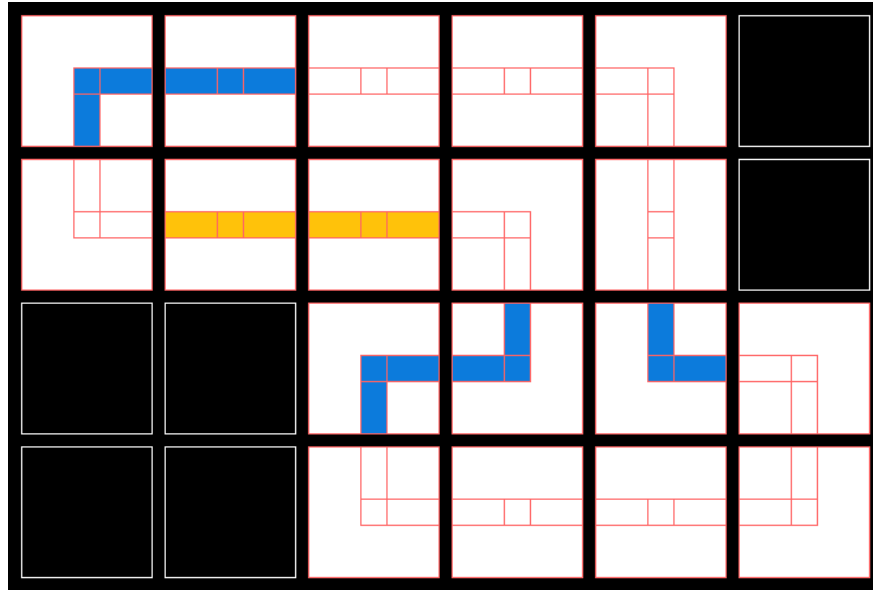
Figure 25: 1-L4x-S+1

Move	New State	Result
A3	1-L4x-S	Loss
A3,A4	1-L-L4x	Loss
A3,A4,A5	1-2-L4x	Loss
A4,B4	1-1-2-L4x	Loss
A5,B5	1-L-L4x	Loss
B1	L4x-S+1	Loss
B4	1-L3x-L4x	Win
B4,B5	1-3-L4x	Loss
B5	1-L4x-T	Loss
C6	1-4-S+1	Loss
C6,D6	1-3-S+1	Loss
D3	1-L3x-S+1	Loss
D3,D4	1-Lx-S+1	Loss
D3,D4,D5	1-2-S+1	Loss
D4	1-1-Lx-S+1	Win
D4,D5	1-1-2-S+1	Loss
D4,D5,D6	1-1-1-S+1	Loss
D5	1-2-2-S+1	Loss
D5,D6	1-1-2-S+1	Loss

1-Lx-Lx-S
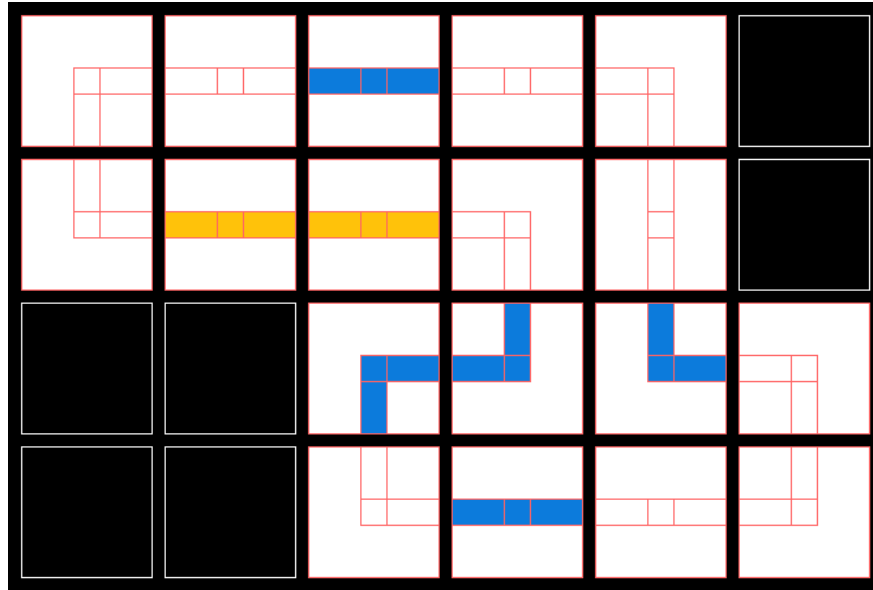
Figure 26: 1-Lx-Lx-S

Move	New State	Result
A1,A2	1-1-Lx-S	Loss
A1,B1	1-1-Lx-S	Loss
A2	1-2-Lx-S	Loss
A4	1-L-Lx-Lx	Loss
A4,A5	1-2-Lx-Lx	Loss
A4,B4	1-2-Lx-Lx	Loss
A5,B5	1-2-Lx-Lx	Loss
B1	1-2-Lx-S	Loss
B4	1-Lx-Lx-Lx	Loss
B4,B5	1-2-Lx-Lx	Loss
B5	1-L-Lx-Lx	Loss
C6	1-2-Lx-S	Loss
C6,D6	1-1-Lx-S	Loss
D3	Lx-Lx-S	Loss
D5	1-2-Lx-S	Loss
D5,D6	1-1-Lx-S	Loss

1-Lx-S+3
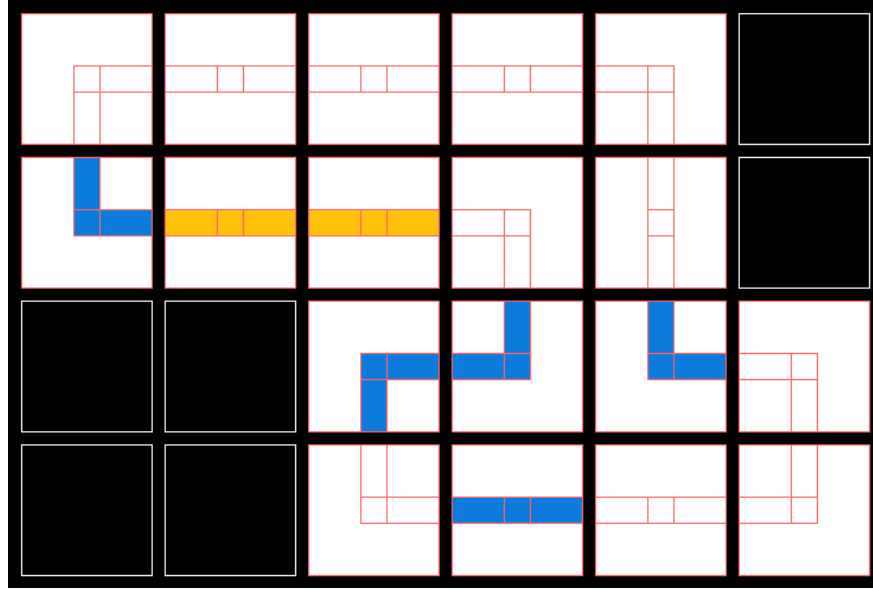
Figure 27: 1-Lx-S+3

Move	New State	Result
A1	1-Lx-S+2	Loss
A1,A2	1-Lx-S+1	Loss
A1,A2,A3	1-Lx-S	Win
A2	1-1-Lx-S+1	Win
A2,A3	1-1-Lx-S	Loss
A2,A3,A4	1-1-L-Lx	Loss
A3	1-2-Lx-S	Loss
A3,A4	1-2-L-Lx	Win
A3,A4,A5	1-2-2-Lx	Loss
A4,B4	1-2-3-Lx	Win
A5,B5	1-L4-Lx	Win
B4	1-L5x-Lx	Loss
B4,B5	1-5-Lx	Win
B5	1-Lx-T5	Loss
C6	1-2-S+3	Loss
C6,D6	1-1-S+3	Loss
D3	Lx-S+3	Loss
D5	1-2-S+3	Loss
D5,D6	1-1-S+3	Loss

2-2-2-S+1
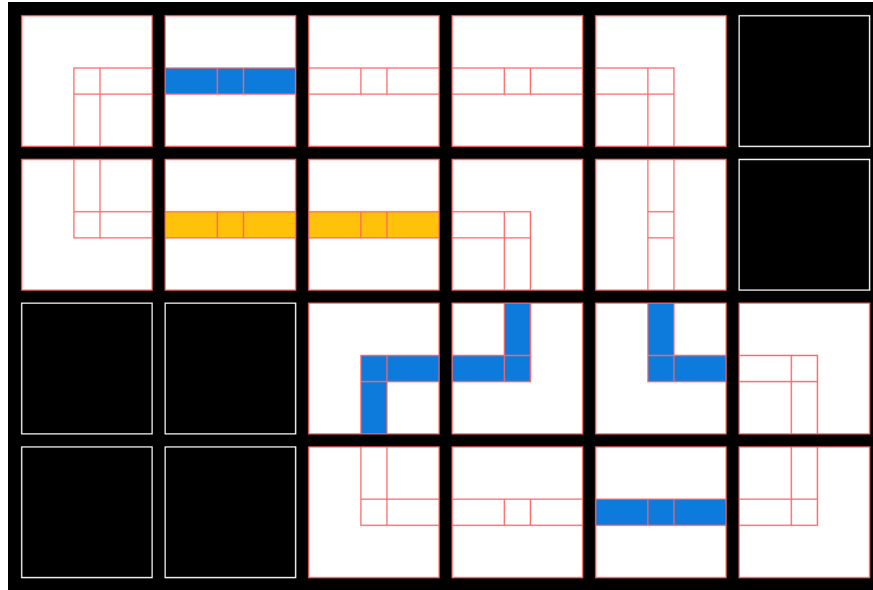
Figure 28: 2-2-2-S+1

Move	New State	Result
A1	1-2-2-S+1	Loss
A1,B1	2-2-S+1	Win
A3	2-2-2-S	Loss
A3,A4	2-2-2-L	Loss
A3,A4,A5	2-2-2-2	Win
A4,B4	1-2-2-2-2	Loss
A5,B5	2-2-2-L	Loss
B1	1-2-2-S+1	Loss
B4	2-2-2-L3x	Loss
B4,B5	2-2-2-3	Loss
B5	2-2-2-T	Win
C6	1-2-2-S+1	Loss
C6,D6	2-2-S+1	Win
D3	1-2-2-S+1	Loss
D3,D4	2-2-S+1	Win
D4	1-2-2-S+1	Loss
D6	1-2-2-S+1	Loss

2-2-C4+1
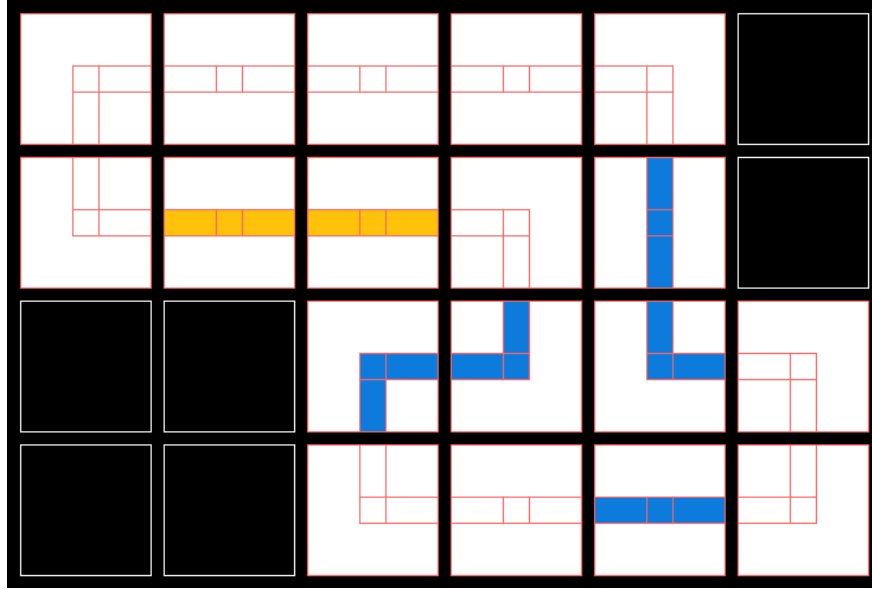
Figure 29: 2-2-C4+1

Move	New State	Result
A1,A2	1-2-2-T	Loss
A1,A2,A3	1-2-2-L	Loss
A1,B1	2-2-T4	Loss
A2	2-2-2-T	Win
A2,A3	2-2-2-L	Loss
A2,A3,A4	1-1-2-2-2	Loss
A3	2-2-L-Lx	Loss
A3,A4	1-1-2-2-Lx	Win
A3,A4,A5	1-2-2-Lx	Loss
A4,A5	1-2-2-L3x	Loss
A4,B4	1-2-2-L3x	Loss
A5	2-2-C4	Loss
B1	2-2-T5	Win
B4	2-2-L5x	Loss
C6	1-2-C4+1	Loss
C6,D6	2-C4+1	Loss
D3	1-2-C4+1	Loss
D3,D4	2-C4+1	Loss
D4	1-2-C4+1	Loss
D6	1-2-C4+1	Loss

2-2-C5
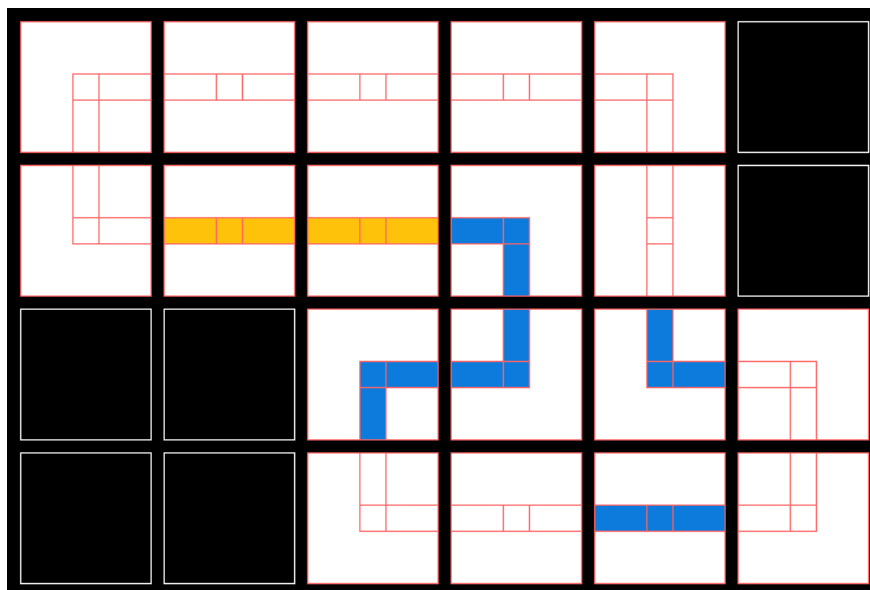
Figure 30: 2-2-C5

Move	New State	Result
A1,A2	1-2-2-L3x	Loss
A1,A2,A3	1-2-2-Lx	Loss
A1,B1	2-2-L4x	Loss
A2	2-2-2-L3x	Loss
A2,A3	2-2-2-Lx	Loss
A2,A3,A4	2-2-2-2	Win
A3	2-2-Lx-Lx	Win
A3,A4	2-2-2-Lx	Loss
A3,A4,A5	1-2-2-Lx	Loss
A4	2-2-2-L3x	Loss
A4,A5	1-2-2-L3x	Loss
A5,B5	2-2-L4x	Loss
B1	2-2-L5x	Loss
B5	2-2-L5x	Loss
C6	1-2-C5	Win
C6,D6	2-C5	Loss
D3	1-2-C5	Win
D3,D4	2-C5	Loss
D4	1-2-C5	Win
D6	1-2-C5	Win

2-2-Lx-S
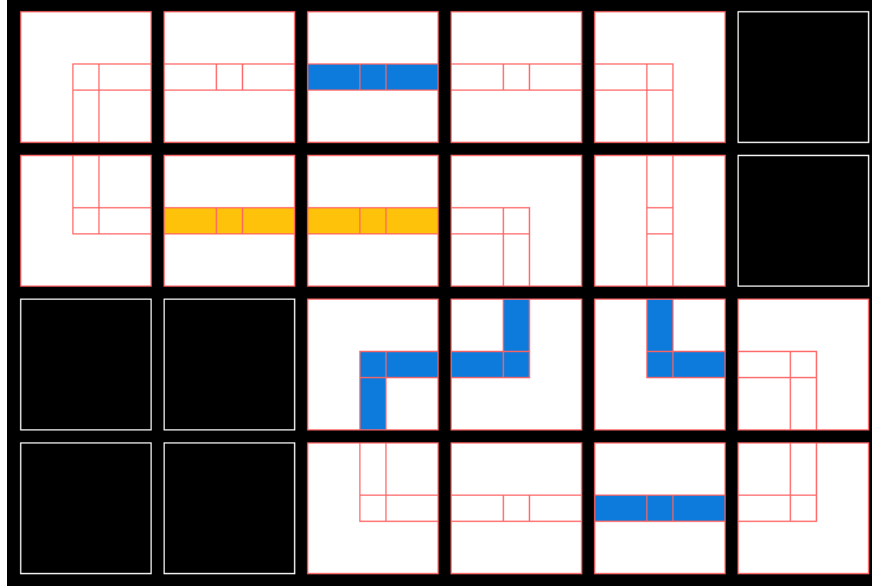
Figure 31: 2-2-Lx-S

Move	New State	Result
A1,A2	1-2-2-S	Win
A1,B1	1-2-2-S	Win
A2	2-2-2-S	Loss
A4	2-2-L-Lx	Loss
A4,A5	2-2-2-Lx	Loss
A4,B4	2-2-2-Lx	Loss
A5,B5	2-2-2-Lx	Loss
B1	2-2-2-S	Loss
B4	2-2-Lx-Lx	Win
B4,B5	2-2-2-Lx	Loss
B5	2-2-L-Lx	Loss
C6	1-2-Lx-S	Loss
C6,D6	2-Lx-S	Loss
D3	1-2-Lx-S	Loss
D3,D4	2-Lx-S	Loss
D4	1-2-Lx-S	Loss
D6	1-2-Lx-S	Loss

2-2-S+3
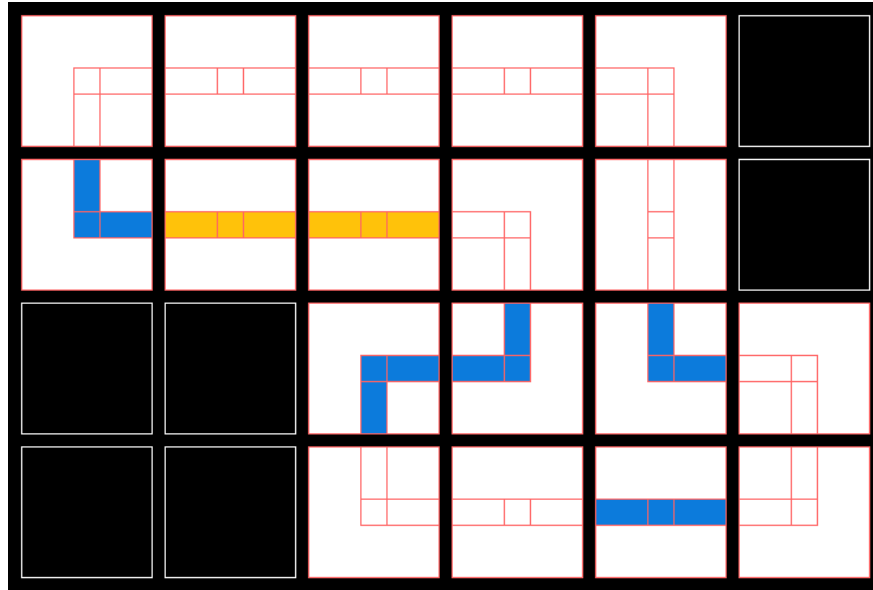
Figure 32: 2-2-S+3

Move	New State	Result
A1	2-2-S+2	Loss
A1,A2	2-2-S+1	Win
A1,A2,A3	2-2-S	Loss
A2	1-2-2-S+1	Loss
A2,A3	1-2-2-S	Win
A2,A3,A4	1-2-2-L	Loss
A3	2-2-2-S	Loss
A3,A4	2-2-2-L	Loss
A3,A4,A5	2-2-2-2	Win
A4,B4	2-2-2-3	Loss
A5,B5	2-2-L4	Loss
B4	2-2-L5x	Loss
B4,B5	2-2-5	Loss
B5	2-2-T5	Win
C6	1-2-S+3	Loss
C6,D6	2-S+3	Loss
D3	1-2-S+3	Loss
D3,D4	2-S+3	Loss
D4	1-2-S+3	Loss
D6	1-2-S+3	Loss

2-4-S+1
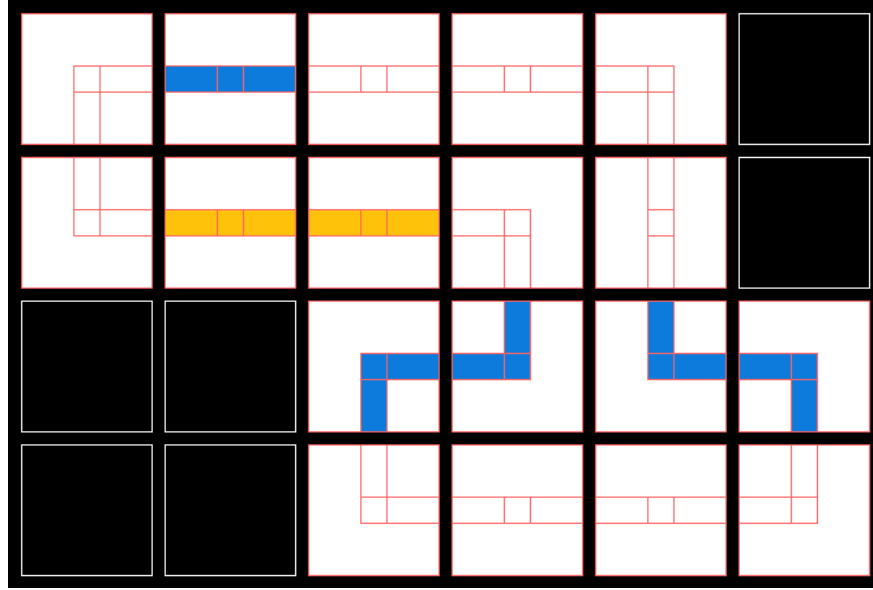
Figure 33: 2-4-S+1

Move	New State	Result
A1	1-4-S+1	Loss
A1,B1	4-S+1	Loss
A3	2-4-S	Loss
A3,A4	2-4-L	Loss
A3,A4,A5	2-2-4	Loss
A4,B4	1-2-2-4	Loss
A5,B5	2-4-L	Loss
B1	1-4-S+1	Loss
B4	2-4-L3x	Loss
B4,B5	2-3-4	Loss
B5	2-4-T	Loss
D3	2-3-S+1	Loss
D3,D4	2-2-S+1	Win
D3,D4,D5	1-2-S+1	Loss
D4	1-2-2-S+1	Loss
D4,D5	1-1-2-S+1	Loss
D4,D5,D6	1-2-S+1	Loss
D5	1-2-2-S+1	Loss
D5,D6	2-2-S+1	Win
D6	2-3-S+1	Loss

2-L3x-L4x
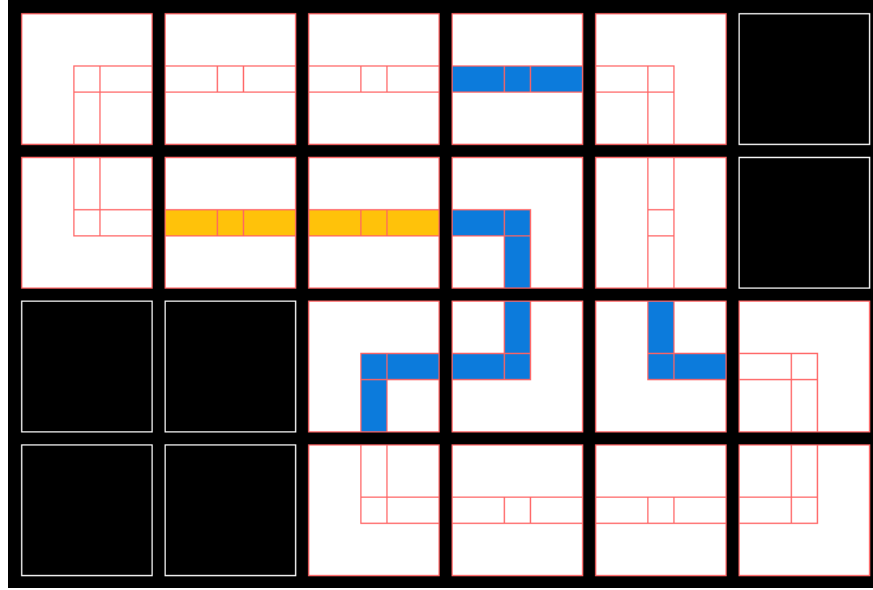
Figure 34: 2-L3x-L4x

Move	New State	Result
A1,A2	1-1-2-L4x	Loss
A1,A2,A3	1-2-L4x	Loss
A1,B1	2-2-L4x	Loss
A2	1-2-2-L4x	Loss
A2,A3	2-2-L4x	Loss
A3	2-L4x-Lx	Loss
A5	1-L3x-L4x	Win
A5,B5	L3x-L4x	Loss
B1	2-3-L4x	Loss
B5	1-L3x-L4x	Win
C6	2-4-L3x	Loss
C6,D6	2-3-L3x	Loss
D3	2-L3x-L3x	Loss
D3,D4	2-L3x-Lx	Loss
D3,D4,D5	2-2-L3x	Loss
D4	1-2-L3x-Lx	Loss
D4,D5	1-2-2-L3x	Loss
D4,D5,D6	1-1-2-L3x	Loss
D5	2-2-2-L3x	Loss
D5,D6	1-2-2-L3x	Loss

2-L3x-S+1
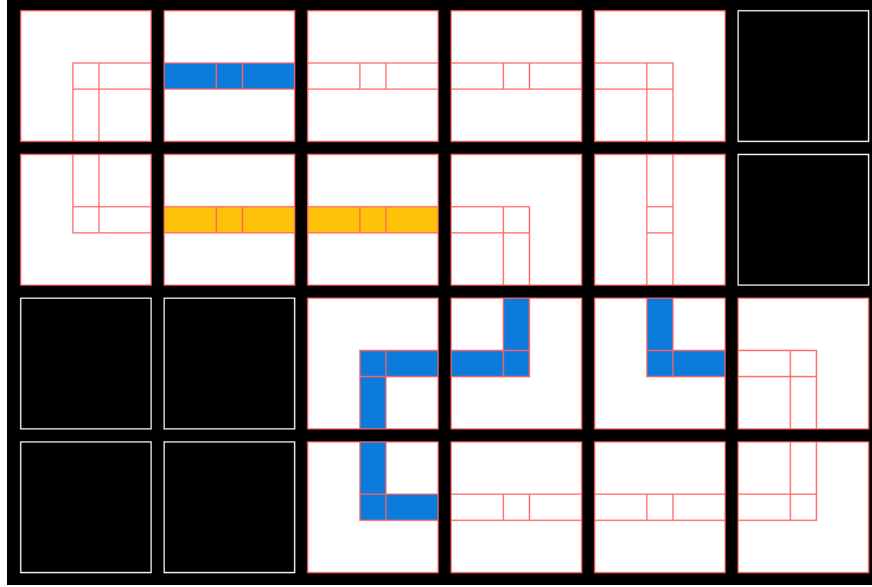
Figure 35: 2-L3x-S+1

Move	New State	Result
A1	1-L3x-S+1	Loss
A1,B1	L3x-S+1	Loss
A3	2-L3x-S	Loss
A3,A4	2-L-L3x	Loss
A3,A4,A5	2-2-L3x	Loss
A4,B4	1-2-2-L3x	Loss
A5,B5	2-L-L3x	Loss
B1	1-L3x-S+1	Loss
B4	2-L3x-L3x	Loss
B4,B5	2-3-L3x	Loss
B5	2-L3x-T	Loss
C6	2-3-S+1	Loss
C6,D6	2-2-S+1	Win
D4	2-Lx-S+1	Loss
D4,D5	2-2-S+1	Win
D4,D5,D6	1-2-S+1	Loss
D5	1-2-2-S+1	Loss
D5,D6	1-1-2-S+1	Loss

2-L4x-S
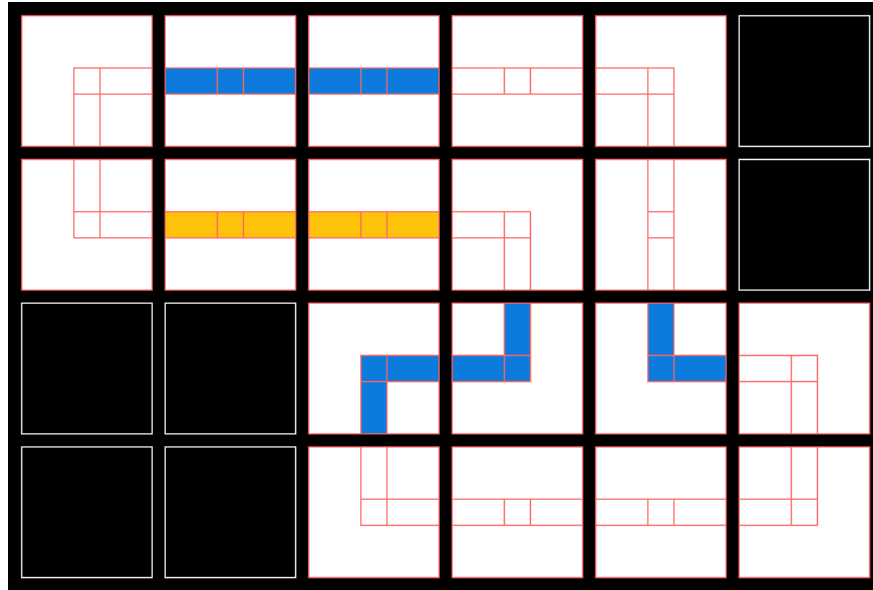
Figure 36: 2-L4x-S

Move	New State	Result
A1	1-L4x-S	Loss
A1,B1	L4x-S	Loss
A4	2-L-L4x	Loss
A4,A5	2-2-L4x	Loss
A4,B4	2-2-L4x	Loss
A5,B5	2-2-L4x	Loss
B1	1-L4x-S	Loss
B4	2-L4x-Lx	Loss
B4,B5	2-2-L4x	Loss
B5	2-L-L4x	Loss
C6	2-4-S	Loss
C6,D6	2-3-S	Win
D3	2-L3x-S	Loss
D3,D4	2-Lx-S	Loss
D3,D4,D5	2-2-S	Loss
D4	1-2-Lx-S	Loss
D4,D5	1-2-2-S	Win
D4,D5,D6	1-1-2-S	Loss
D5	2-2-2-S	Loss
D5,D6	1-2-2-S	Win

2-L4x-T
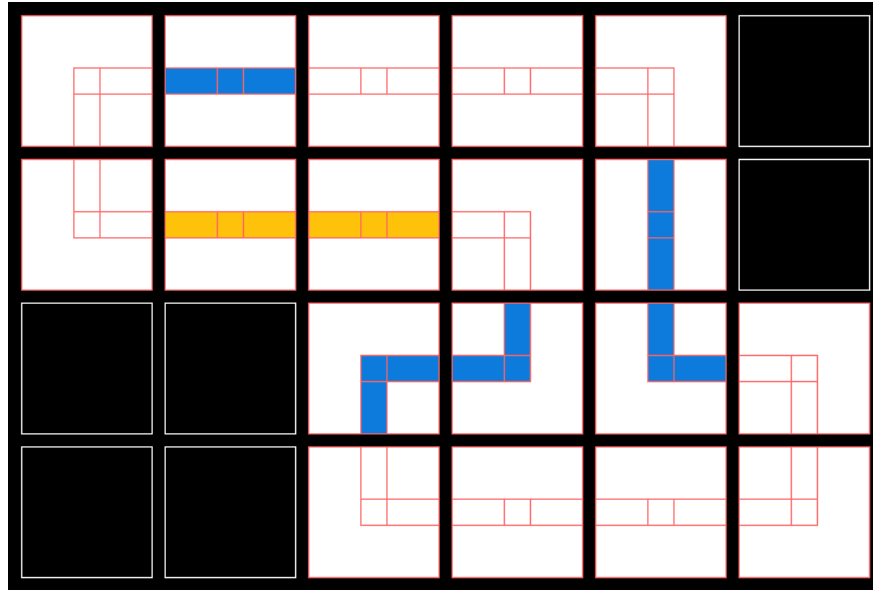
Figure 37: 2-L4x-T

Move	New State	Result
A1	1-L4x-T	Loss
A1,B1	L4x-T	Loss
A3	2-L-L4x	Loss
A3,A4	1-1-2-L4x	Loss
A3,A4,A5	1-2-L4x	Loss
A4,A5	1-1-2-L4x	Loss
A4,B4	1-1-2-L4x	Loss
A5	2-L-L4x	Loss
B1	1-L4x-T	Loss
B4	2-3-L4x	Loss
C6	2-4-T	Loss
C6,D6	2-3-T	Loss
D3	2-L3x-T	Loss
D3,D4	2-Lx-T	Win
D3,D4,D5	2-2-T	Loss
D4	1-2-Lx-T	Loss
D4,D5	1-2-2-T	Loss
D4,D5,D6	1-1-2-T	Win
D5	2-2-2-T	Win
D5,D6	1-2-2-T	Loss

3-S+L3x
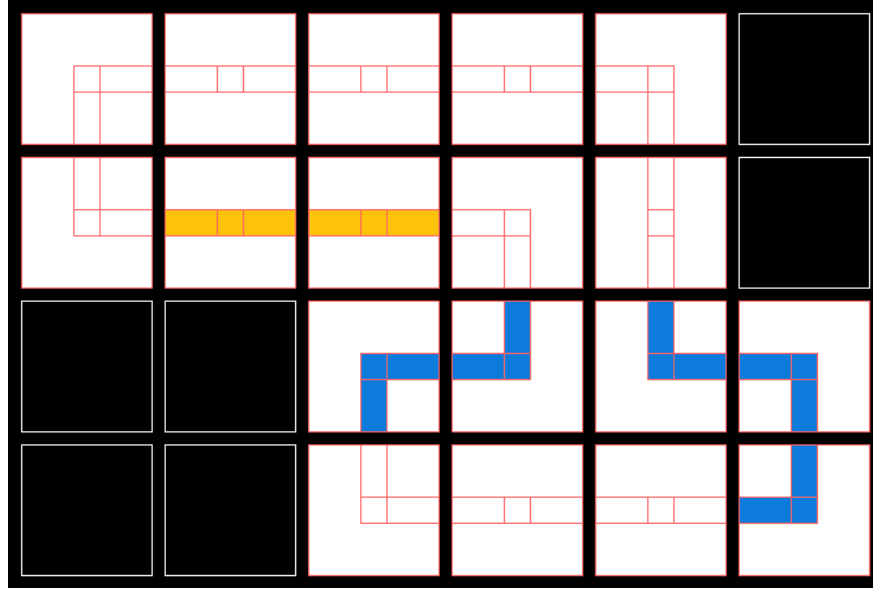
Figure 38: 3-S+L3x

Move	New State	Result
A1,A2	1-3-S+1	Loss
A1,A2,A3	1-3-S	Loss
A1,B1	3-S+2	Loss
A2	2-3-S+1	Loss
A2,A3	2-3-S	Win
A2,A3,A4	2-3-L	Loss
A3	3-Lx-S	Loss
A3,A4	3-L-Lx	Win
A3,A4,A5	2-3-Lx	Loss
A4,B4	2-3-L3x	Loss
A5,B5	3-C4	Loss
B1	3-S+3	Loss
B4	3-C5	Win
B4,B5	3-L5x	Loss
B5	3-C4+1	Loss
D3	2-S+L3x	Loss
D3,D4	1-S+L3x	Loss
D3,D4,D5	S+L3x	Loss
D4	1-1-S+L3x	Loss
D4,D5	1-S+L3x	Loss
D5	2-S+L3x	Loss

4-C4+1
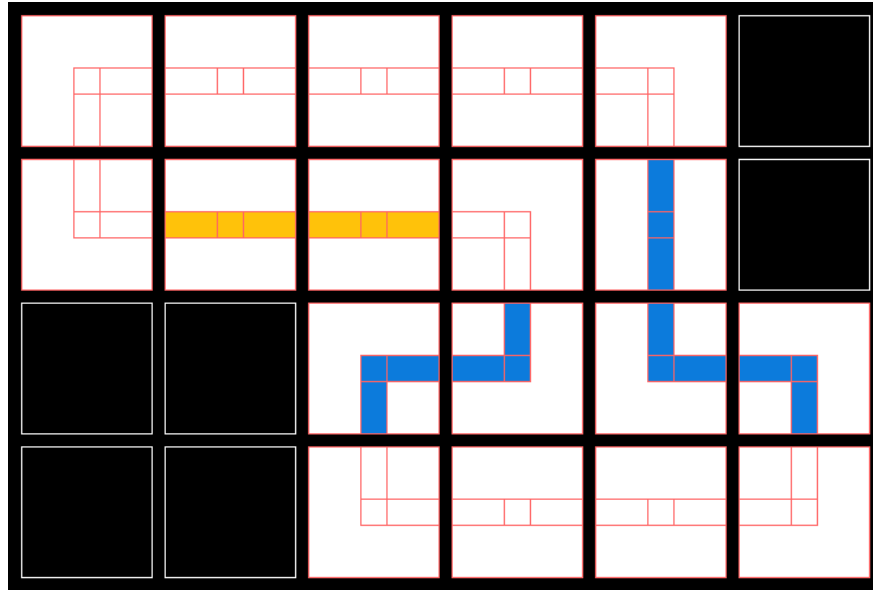
Figure 39: 4-C4+1

Move	New State	Result
A1,A2	1-4-T	Loss
A1,A2,A3	1-4-L	Loss
A1,B1	4-T4	Loss
A2	2-4-T	Loss
A2,A3	2-4-L	Loss
A2,A3,A4	1-1-2-4	Loss
A3	4-L-Lx	Loss
A3,A4	1-1-4-Lx	Loss
A3,A4,A5	1-4-Lx	Loss
A4,A5	1-4-L3x	Loss
A4,B4	1-4-L3x	Loss
A5	4-C4	Loss
B1	4-T5	Loss
B4	4-L5x	Loss
D3	3-C4+1	Loss
D3,D4	2-C4+1	Loss
D3,D4,D5	1-C4+1	Loss
D4	1-2-C4+1	Loss
D4,D5	1-1-C4+1	Loss
D4,D5,D6	1-C4+1	Loss
D5	1-2-C4+1	Loss
D5,D6	2-C4+1	Loss
D6	3-C4+1	Loss

4-C5
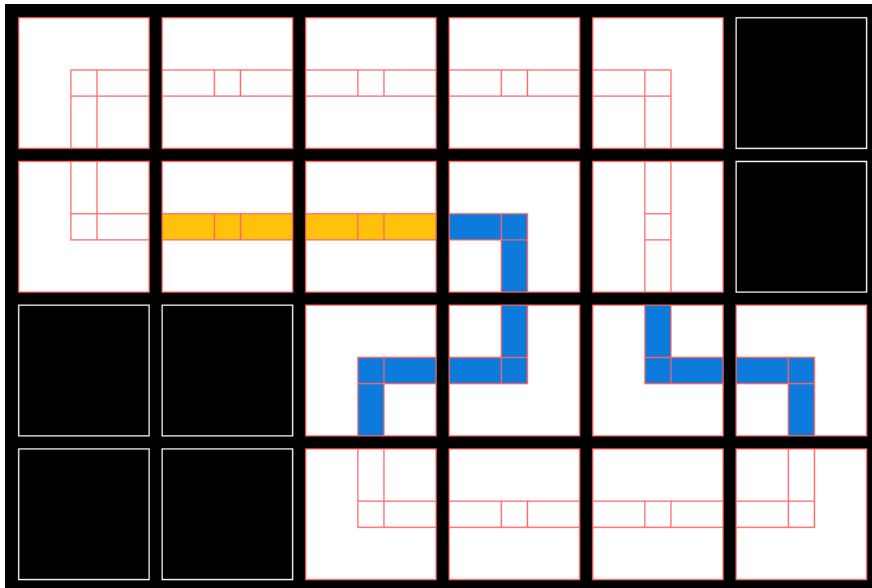
Figure 40: 4-C5

Move	New State	Result
A1,A2	1-4-L3x	Loss
A1,A2,A3	1-4-Lx	Loss
A1,B1	4-L4x	Loss
A2	2-4-L3x	Loss
A2,A3	2-4-Lx	Loss
A2,A3,A4	2-2-4	Loss
A3	4-Lx-Lx	Loss
A3,A4	2-4-Lx	Loss
A3,A4,A5	1-4-Lx	Loss
A4	2-4-L3x	Loss
A4,A5	1-4-L3x	Loss
A5,B5	4-L4x	Loss
B1	4-L5x	Loss
B5	4-L5x	Loss
D3	3-C5	Win
D3,D4	2-C5	Loss
D3,D4,D5	1-C5	Loss
D4	1-2-C5	Win
D4,D5	1-1-C5	Loss
D4,D5,D6	1-C5	Loss
D5	1-2-C5	Win
D5,D6	2-C5	Loss
D6	3-C5	Win

4-Lx-S
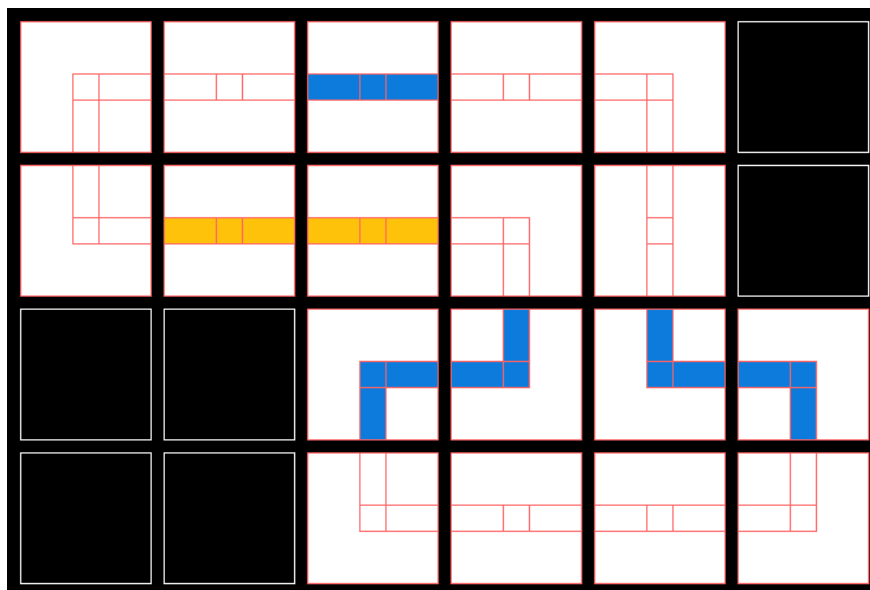
Figure 41: 4-Lx-S

Move	New State	Result
A1,A2	1-4-S	Loss
A1,B1	1-4-S	Loss
A2	2-4-S	Loss
A4	4-L-Lx	Loss
A4,A5	2-4-Lx	Loss
A4,B4	2-4-Lx	Loss
A5,B5	2-4-Lx	Loss
B1	2-4-S	Loss
B4	4-Lx-Lx	Loss
B4,B5	2-4-Lx	Loss
B5	4-L-Lx	Loss
D3	3-Lx-S	Loss
D3,D4	2-Lx-S	Loss
D3,D4,D5	1-Lx-S	Win
D4	1-2-Lx-S	Loss
D4,D5	1-1-Lx-S	Loss
D4,D5,D6	1-Lx-S	Win
D5	1-2-Lx-S	Loss
D5,D6	2-Lx-S	Loss
D6	3-Lx-S	Loss

4-S+3
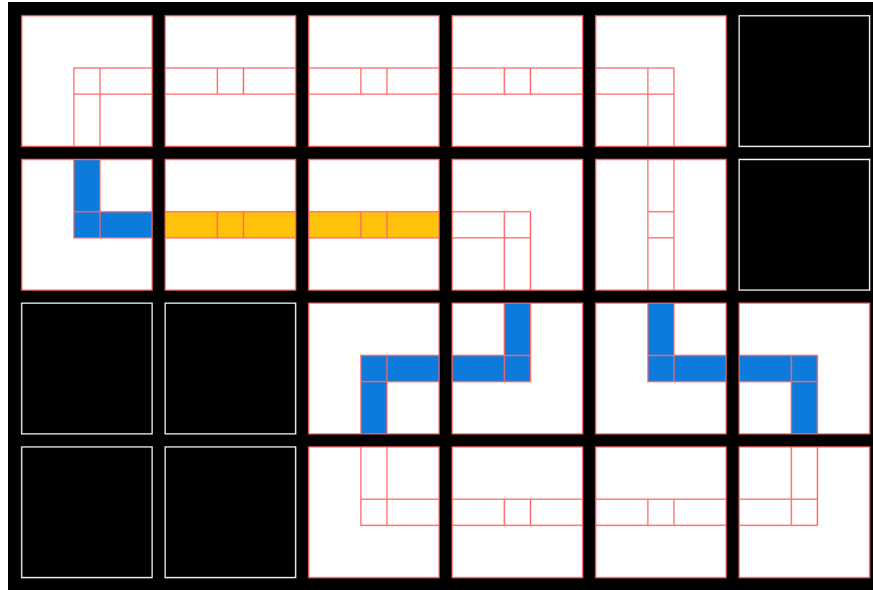
Figure 42: 4-S+3

Move	New State	Result
A1	4-S+2	Loss
A1,A2	4-S+1	Loss
A1,A2,A3	4-S	Loss
A2	1-4-S+1	Loss
A2,A3	1-4-S	Loss
A2,A3,A4	1-4-L	Loss
A3	2-4-S	Loss
A3,A4	2-4-L	Loss
A3,A4,A5	2-2-4	Loss
A4,B4	2-3-4	Loss
A5,B5	4-L4	Loss
B4	4-L5x	Loss
B4,B5	4-5	Loss
B5	4-T5	Loss
D3	3-S+3	Loss
D3,D4	2-S+3	Loss
D3,D4,D5	1-S+3	Loss
D4	1-2-S+3	Loss
D4,D5	1-1-S+3	Loss
D4,D5,D6	1-S+3	Loss
D5	1-2-S+3	Loss
D5,D6	2-S+3	Loss
D6	3-S+3	Loss

C4+1-L3x
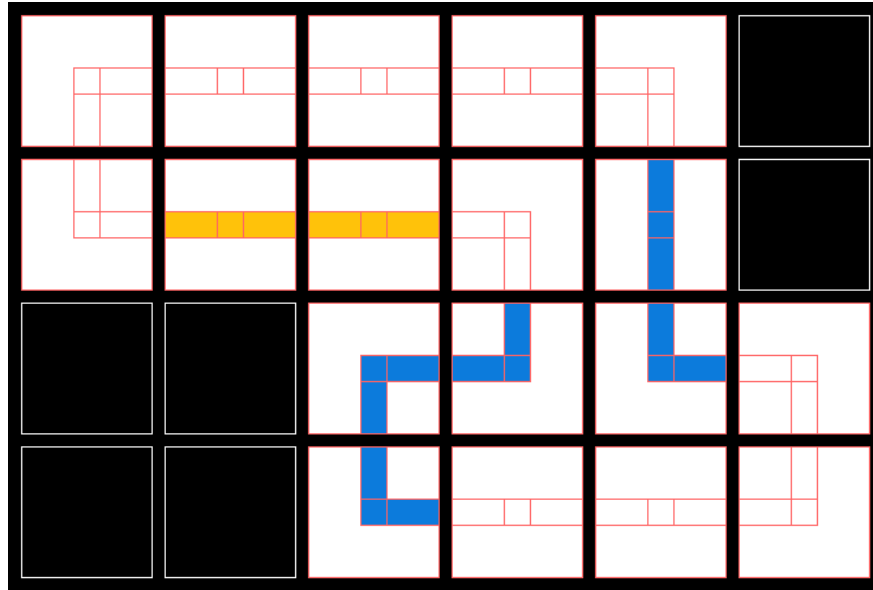
Figure 43: C4+1-L3x

Move	New State	Result
A1,A2	1-L3x-T	Loss
A1,A2,A3	1-L-L3x	Loss
A1,B1	L3x-T4	Loss
A2	2-L3x-T	Loss
A2,A3	2-L-L3x	Loss
A2,A3,A4	1-1-2-L3x	Loss
A3	L-L3x-Lx	Loss
A3,A4	1-1-L3x-Lx	Loss
A3,A4,A5	1-L3x-Lx	Loss
A4,A5	1-L3x-L3x	Loss
A4,B4	1-L3x-L3x	Loss
A5	C4-L3x	Loss
B1	L3x-T5	Loss
B4	L3x-L5x	Loss
C6	3-C4+1	Loss
C6,D6	2-C4+1	Loss
D4	C4+1-Lx	Loss
D4,D5	2-C4+1	Loss
D4,D5,D6	1-C4+1	Loss
D5	1-2-C4+1	Loss
D5,D6	1-1-C4+1	Loss

C4-L4x
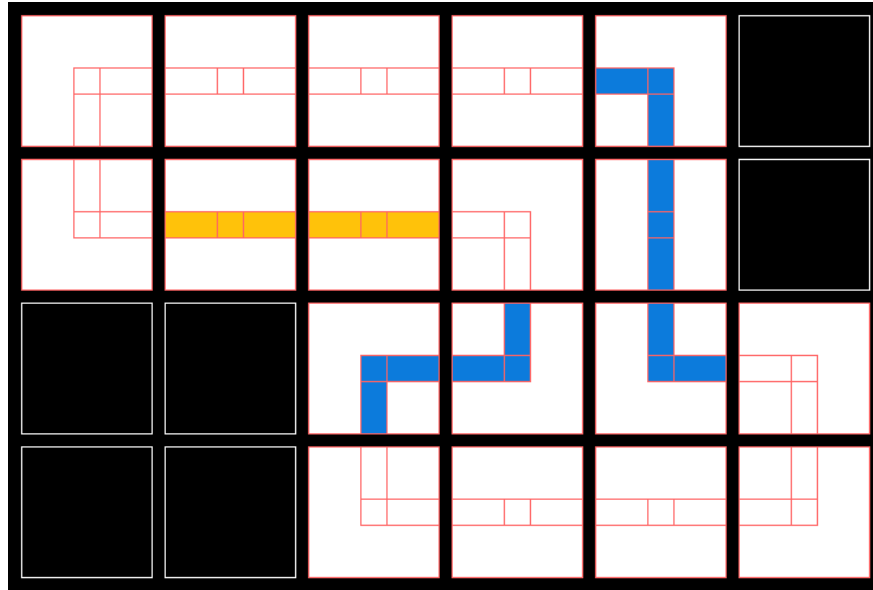
Figure 44: C4-L4x

Move	New State	Result
A1,A2	1-L-L4x	Loss
A1,A2,A3	1-2-L4x	Loss
A1,B1	L3-L4x	Loss
A2	2-L-L4x	Loss
A2,A3	2-2-L4x	Loss
A2,A3,A4	1-2-L4x	Loss
A3	2-L4x-Lx	Loss
A3,A4	1-L4x-Lx	Loss
A4	1-L3x-L4x	Win
A4,B4	L3x-L4x	Loss
B1	L4-L4x	Loss
B4	L4x-L4x	Win
C6	4-C4	Loss
C6,D6	3-C4	Loss
D3	C4-L3x	Loss
D3,D4	C4-Lx	Loss
D3,D4,D5	2-C4	Loss
D4	1-C4-Lx	Loss
D4,D5	1-2-C4	Loss
D4,D5,D6	1-1-C4	Loss
D5	2-2-C4	Loss
D5,D6	1-2-C4	Loss

C5-L3x
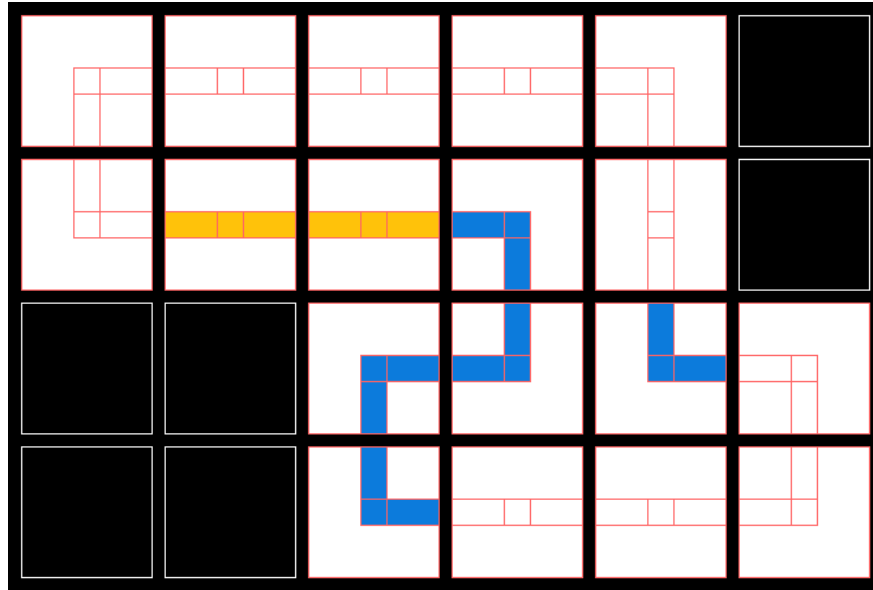
Figure 45: C5-L3x

Move	New State	Result
A1,A2	1-L3x-L3x	Loss
A1,A2,A3	1-L3x-Lx	Loss
A1,B1	L3x-L4x	Loss
A2	2-L3x-L3x	Loss
A2,A3	2-L3x-Lx	Loss
A2,A3,A4	2-2-L3x	Loss
A3	L3x-Lx-Lx	Loss
A3,A4	2-L3x-Lx	Loss
A3,A4,A5	1-L3x-Lx	Loss
A4	2-L3x-L3x	Loss
A4,A5	1-L3x-L3x	Loss
A5,B5	L3x-L4x	Loss
B1	L3x-L5x	Loss
B5	L3x-L5x	Loss
C6	3-C5	Win
C6,D6	2-C5	Loss
D4	C5-Lx	Loss
D4,D5	2-C5	Loss
D4,D5,D6	1-C5	Loss
D5	1-2-C5	Win
D5,D6	1-1-C5	Loss

L-L4x-Lx
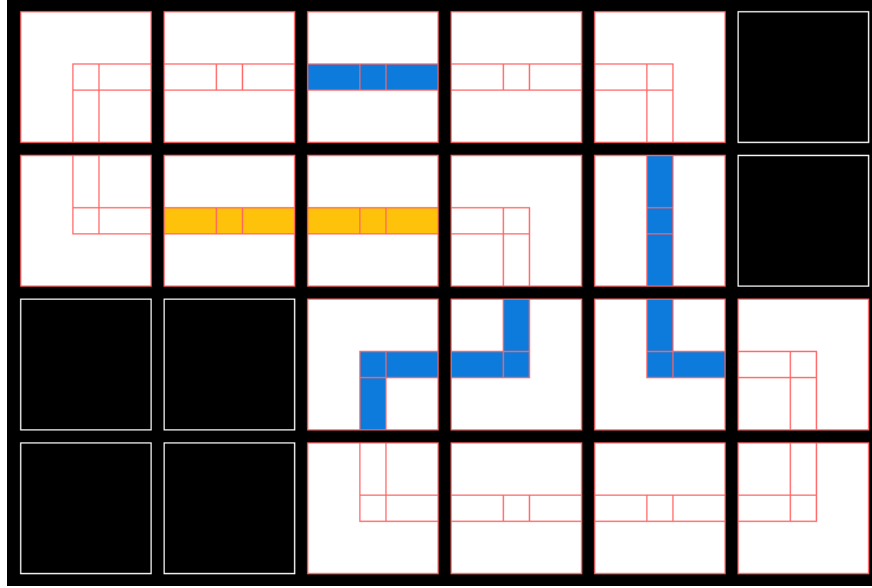
Figure 46: L-L4x-Lx

Move	New State	Result
A1,A2	1-L-L4x	Loss
A1,B1	1-L-L4x	Loss
A2	2-L-L4x	Loss
A4	1-1-L4x-Lx	Loss
A4,A5	1-L4x-Lx	Loss
A4,B4	1-L4x-Lx	Loss
A5	2-L4x-Lx	Loss
B1	2-L-L4x	Loss
B4	2-L4x-Lx	Loss
C6	4-L-Lx	Loss
C6,D6	3-L-Lx	Win
D3	L-L3x-Lx	Loss
D3,D4	L-Lx-Lx	Loss
D3,D4,D5	2-L-Lx	Loss
D4	1-L-Lx-Lx	Loss
D4,D5	1-2-L-Lx	Win
D4,D5,D6	1-1-L-Lx	Loss
D5	2-2-L-Lx	Loss
D5,D6	1-2-L-Lx	Win

L3x-Lx-S
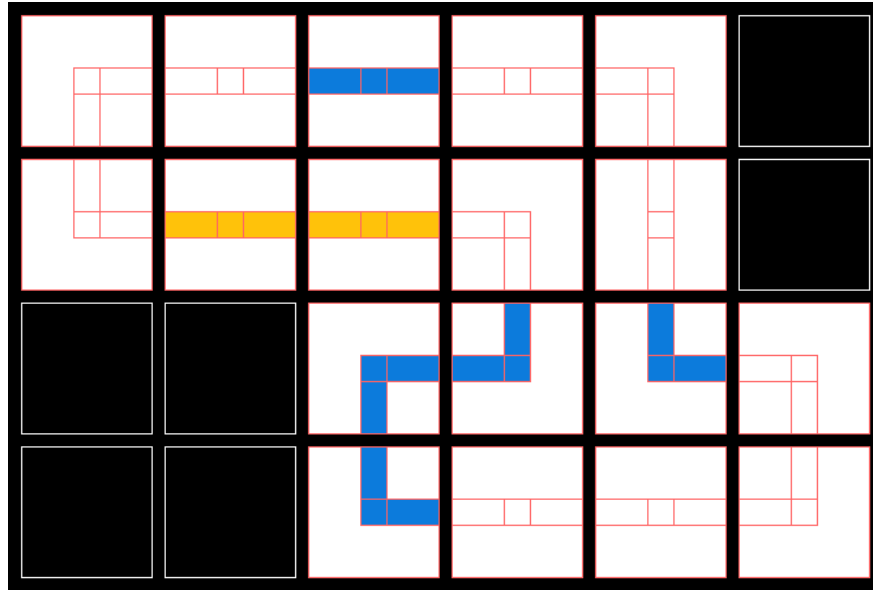
Figure 47: L3x-Lx-S

Move	New State	Result
A1,A2	1-L3x-S	Loss
A1,B1	1-L3x-S	Loss
A2	2-L3x-S	Loss
A4	L-L3x-Lx	Loss
A4,A5	2-L3x-Lx	Loss
A4,B4	2-L3x-Lx	Loss
A5,B5	2-L3x-Lx	Loss
B1	2-L3x-S	Loss
B4	L3x-Lx-Lx	Loss
B4,B5	2-L3x-Lx	Loss
B5	L-L3x-Lx	Loss
C6	3-Lx-S	Loss
C6,D6	2-Lx-S	Loss
D4	Lx-Lx-S	Loss
D4,D5	2-Lx-S	Loss
D4,D5,D6	1-Lx-S	Win
D5	1-2-Lx-S	Loss
D5,D6	1-1-Lx-S	Loss

L3x-S+3
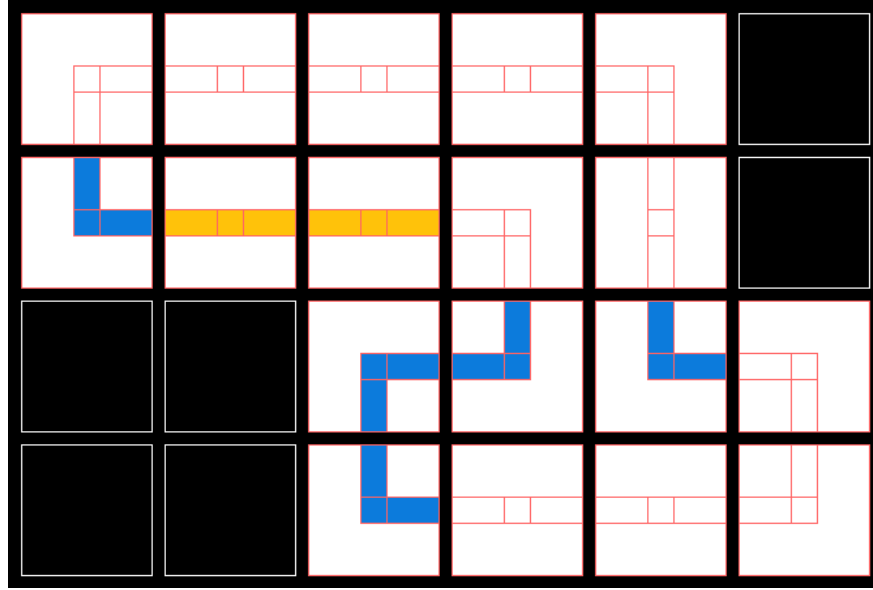
Figure 48: L3x-S+3

Move	New State	Result
A1	L3x-S+2	Loss
A1,A2	L3x-S+1	Loss
A1,A2,A3	L3x-S	Loss
A2	1-L3x-S+1	Loss
A2,A3	1-L3x-S	Loss
A2,A3,A4	1-L-L3x	Loss
A3	2-L3x-S	Loss
A3,A4	2-L-L3x	Loss
A3,A4,A5	2-2-L3x	Loss
A4,B4	2-3-L3x	Loss
A5,B5	L3x-L4	Loss
B4	L3x-L5x	Loss
B4,B5	5-L3x	Loss
B5	L3x-T5	Loss
C6	3-S+3	Loss
C6,D6	2-S+3	Loss
D4	Lx-S+3	Loss
D4,D5	2-S+3	Loss
D4,D5,D6	1-S+3	Loss
D5	1-2-S+3	Loss
D5,D6	1-1-S+3	Loss

L4x-L5x
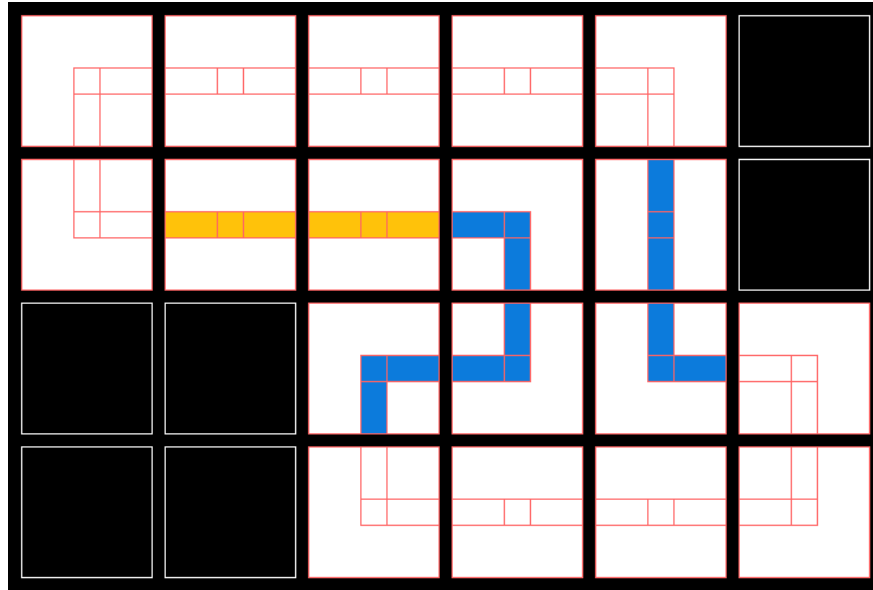
Figure 49: L4x-L5x

Move	New State	Result
A1,A2	1-3-L4x	Loss
A1,A2,A3	1-2-L4x	Loss
A1,B1	4-L4x	Loss
A2	2-3-L4x	Loss
A2,A3	2-2-L4x	Loss
A2,A3,A4	1-2-L4x	Loss
A3	2-L4x-Lx	Loss
A3,A4	1-L4x-Lx	Loss
A3,A4,A5	L4x-Lx	Loss
A4	1-L3x-L4x	Win
A4,A5	L3x-L4x	Loss
A5	L4x-L4x	Win
B1	5-L4x	Loss
C6	4-L5x	Loss
C6,D6	3-L5x	Loss
D3	L3x-L5x	Loss
D3,D4	L5x-Lx	Loss
D3,D4,D5	2-L5x	Loss
D4	1-L5x-Lx	Loss
D4,D5	1-2-L5x	Loss
D4,D5,D6	1-1-L5x	Loss
D5	2-2-L5x	Loss
D5,D6	1-2-L5x	Loss

L4x-Lx-Lx
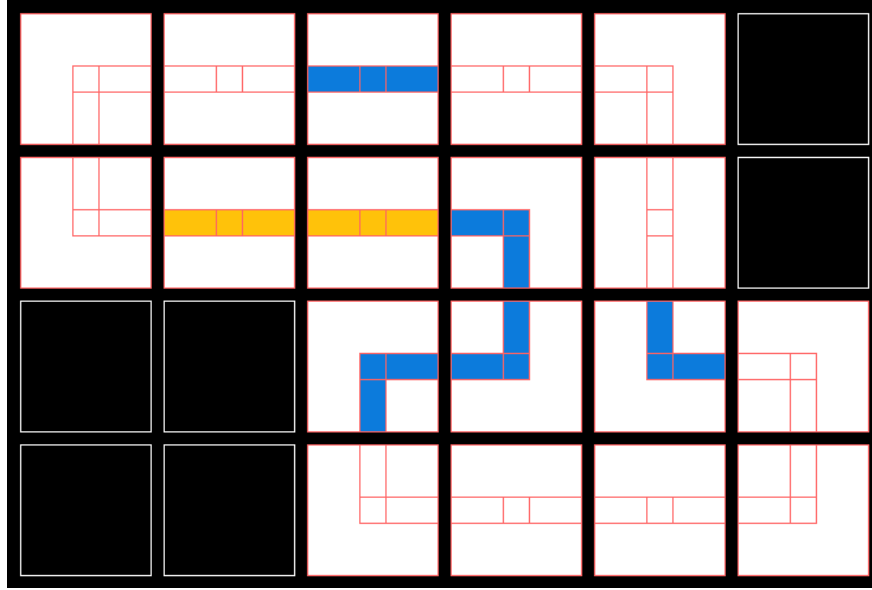
Figure 50: L4x-Lx-Lx

Move	New State	Result
A1,A2	1-L4x-Lx	Loss
A1,B1	1-L4x-Lx	Loss
A2	2-L4x-Lx	Loss
A4	2-L4x-Lx	Loss
A4,A5	1-L4x-Lx	Loss
A5,B5	1-L4x-Lx	Loss
B1	2-L4x-Lx	Loss
B5	2-L4x-Lx	Loss
C6	4-Lx-Lx	Loss
C6,D6	3-Lx-Lx	Loss
D3	L3x-Lx-Lx	Loss
D3,D4	Lx-Lx-Lx	Win
D3,D4,D5	2-Lx-Lx	Loss
D4	1-Lx-Lx-Lx	Loss
D4,D5	1-2-Lx-Lx	Loss
D4,D5,D6	1-1-Lx-Lx	Win
D5	2-2-Lx-Lx	Win
D5,D6	1-2-Lx-Lx	Loss

L4x-S+2
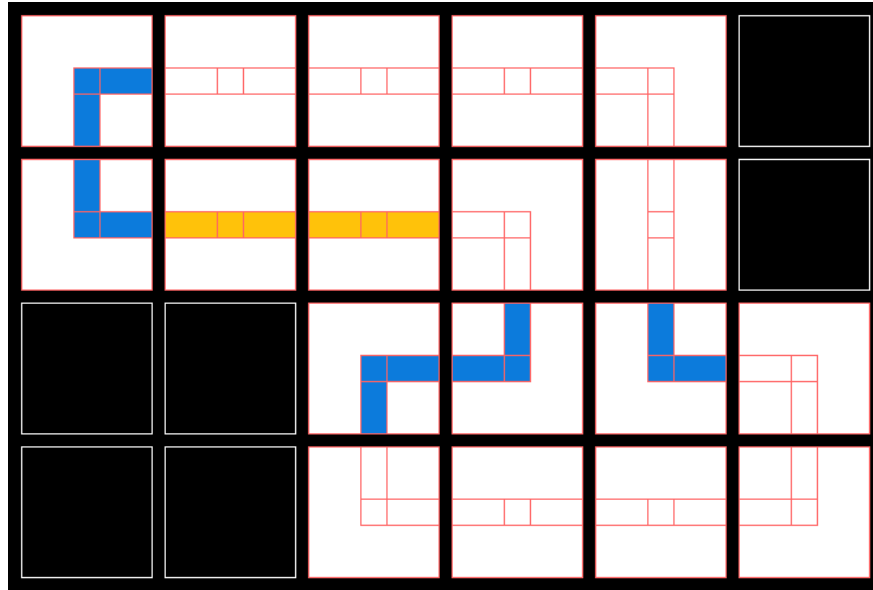
Figure 51: L4x-S+2

Move	New State	Result
A2	L4x-S+1	Loss
A2,A3	L4x-S	Loss
A2,A3,A4	L-L4x	Loss
A3	1-L4x-S	Loss
A3,A4	1-L-L4x	Loss
A3,A4,A5	1-2-L4x	Loss
A4,B4	2-2-L4x	Loss
A5,B5	L3-L4x	Loss
B4	L4x-L4x	Win
B4,B5	4-L4x	Loss
B5	L4x-T4	Win
C6	4-S+2	Loss
C6,D6	3-S+2	Loss
D3	L3x-S+2	Loss
D3,D4	Lx-S+2	Loss
D3,D4,D5	2-S+2	Loss
D4	1-Lx-S+2	Loss
D4,D5	1-2-S+2	Loss
D4,D5,D6	1-1-S+2	Loss
D5	2-2-S+2	Loss
D5,D6	1-2-S+2	Loss

L4x-T5
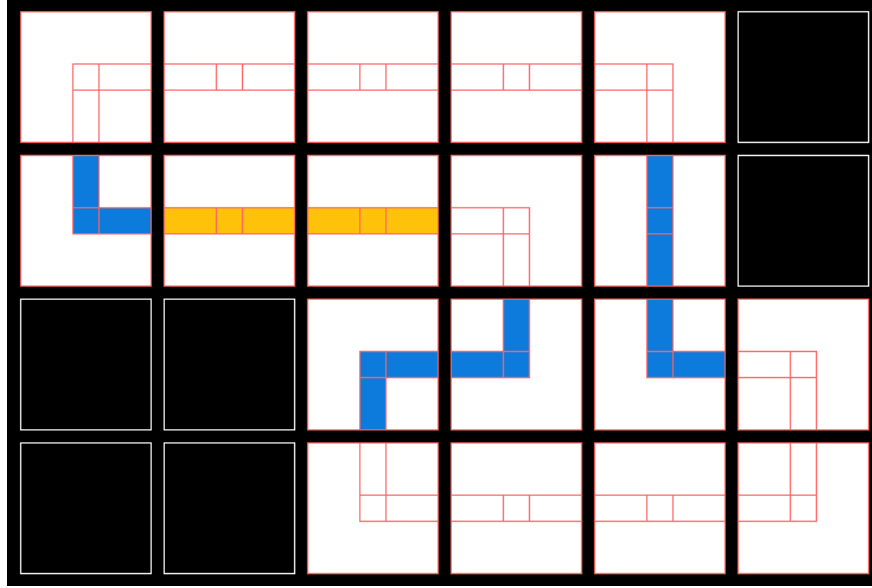
Figure 52: L4x-T5

Move	New State	Result
A1	L4x-T4	Win
A1,A2	L4x-T	Loss
A1,A2,A3	L-L4x	Loss
A2	1-L4x-T	Loss
A2,A3	1-L-L4x	Loss
A2,A3,A4	1-1-1-L4x	Loss
A3	2-L-L4x	Loss
A3,A4	1-1-2-L4x	Loss
A3,A4,A5	1-2-L4x	Loss
A4,A5	1-3-L4x	Loss
A4,B4	1-3-L4x	Loss
A5	L4-L4x	Loss
B4	5-L4x	Loss
C6	4-T5	Loss
C6,D6	3-T5	Loss
D3	L3x-T5	Loss
D3,D4	Lx-T5	Win
D3,D4,D5	2-T5	Loss
D4	1-Lx-T5	Loss
D4,D5	1-2-T5	Loss
D4,D5,D6	1-1-T5	Win
D5	2-2-T5	Win
D5,D6	1-2-T5	Loss

Lx-S+L3x
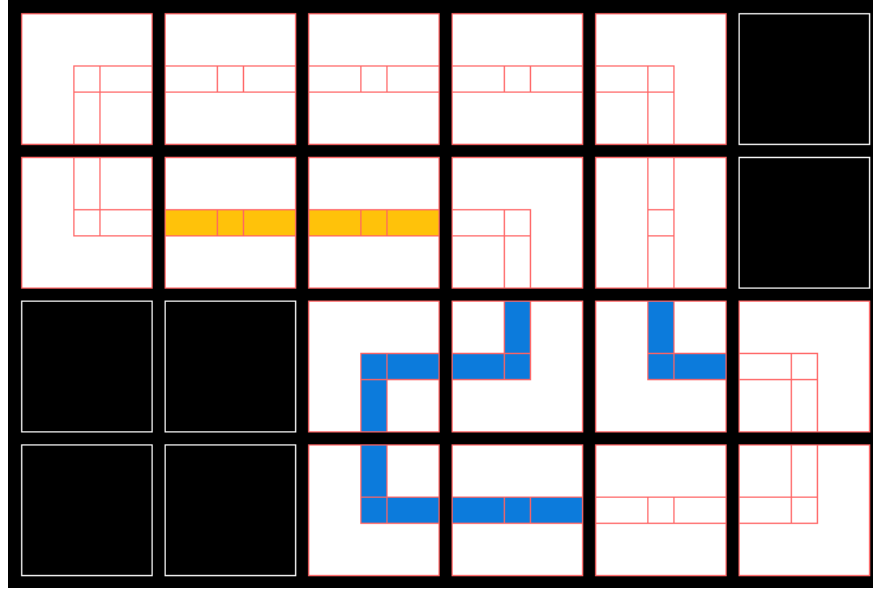
Figure 53: Lx-S+L3x

Move	New State	Result
A1,A2	1-Lx-S+1	Loss
A1,A2,A3	1-Lx-S	Win
A1,B1	Lx-S+2	Loss
A2	2-Lx-S+1	Loss
A2,A3	2-Lx-S	Loss
A2,A3,A4	2-L-Lx	Loss
A3	Lx-Lx-S	Loss
A3,A4	L-Lx-Lx	Loss
A3,A4,A5	2-Lx-Lx	Loss
A4,B4	2-L3x-Lx	Loss
A5,B5	C4-Lx	Loss
B1	Lx-S+3	Loss
B4	C5-Lx	Loss
B4,B5	L5x-Lx	Loss
B5	C4+1-Lx	Loss
C6	2-S+L3x	Loss
C6,D6	1-S+L3x	Loss
D5	2-S+L3x	Loss
D5,D6	1-S+L3x	Loss

1-1-L4x-Lx
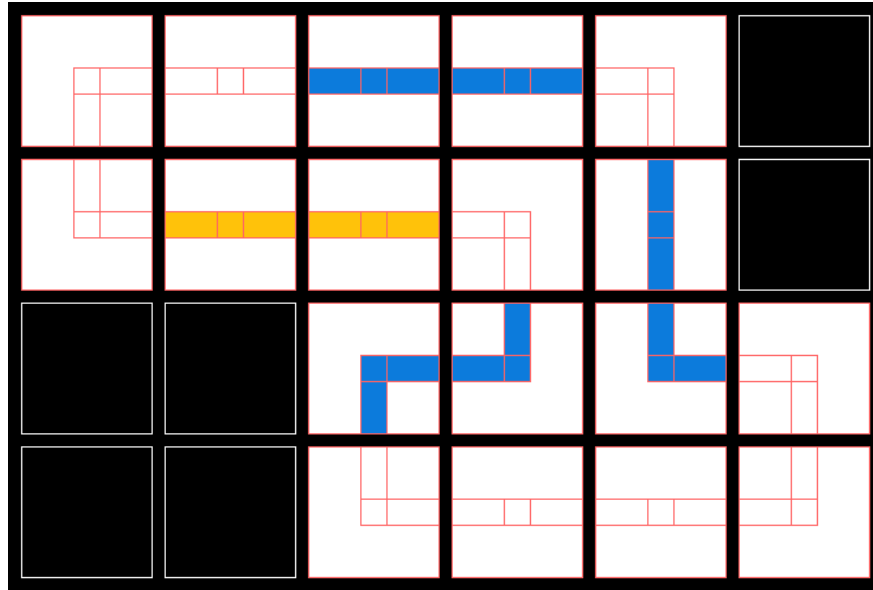
Figure 54: 1-1-L4x-Lx

Move	New State	Result
A1,A2	1-1-1-L4x	Loss
A1,B1	1-1-1-L4x	Loss
A2	1-1-2-L4x	Loss
A5	1-L4x-Lx	Loss
B1	1-1-2-L4x	Loss
B4	1-L4x-Lx	Loss
C6	1-1-4-Lx	Loss
C6,D6	1-1-3-Lx	Loss
D3	1-1-L3x-Lx	Loss
D3,D4	1-1-Lx-Lx	Win
D3,D4,D5	1-1-2-Lx	Loss
D4	1-1-1-Lx-Lx	Loss
D4,D5	1-1-1-2-Lx	Loss
D4,D5,D6	1-1-1-1-Lx	Win
D5	1-1-2-2-Lx	Win
D5,D6	1-1-1-2-Lx	Loss

1-1-Lx-S+1
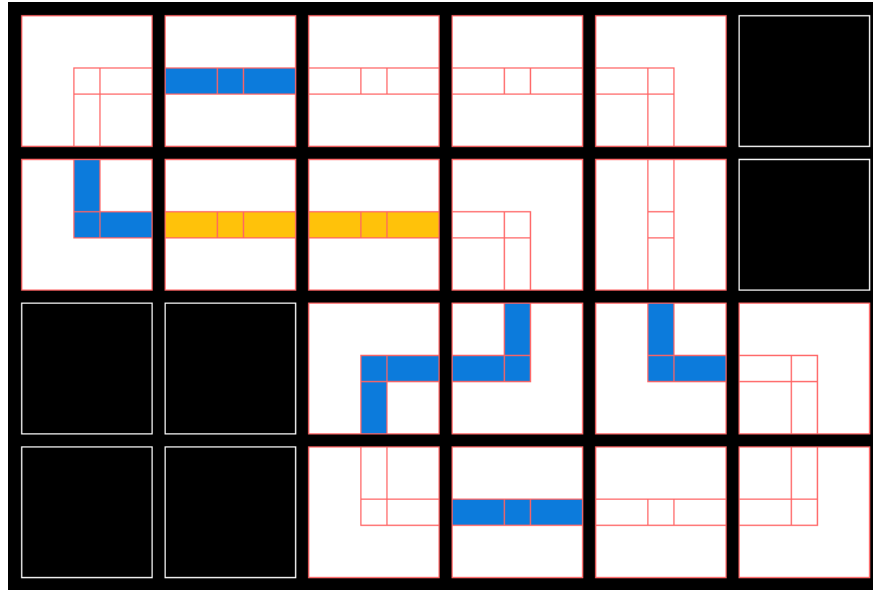
Figure 55: 1-1-Lx-S+1

Move	New State	Result
A1	1-Lx-S+1	Loss
A3	1-1-Lx-S	Loss
A3,A4	1-1-L-Lx	Loss
A3,A4,A5	1-1-2-Lx	Loss
A4,B4	1-1-1-2-Lx	Loss
A5,B5	1-1-L-Lx	Loss
B4	1-1-L3x-Lx	Loss
B4,B5	1-1-3-Lx	Loss
B5	1-1-Lx-T	Loss
C6	1-1-2-S+1	Loss
C6,D6	1-1-1-S+1	Loss
D3	1-Lx-S+1	Loss
D5	1-1-2-S+1	Loss
D5,D6	1-1-1-S+1	Loss

1-1-S+L3x
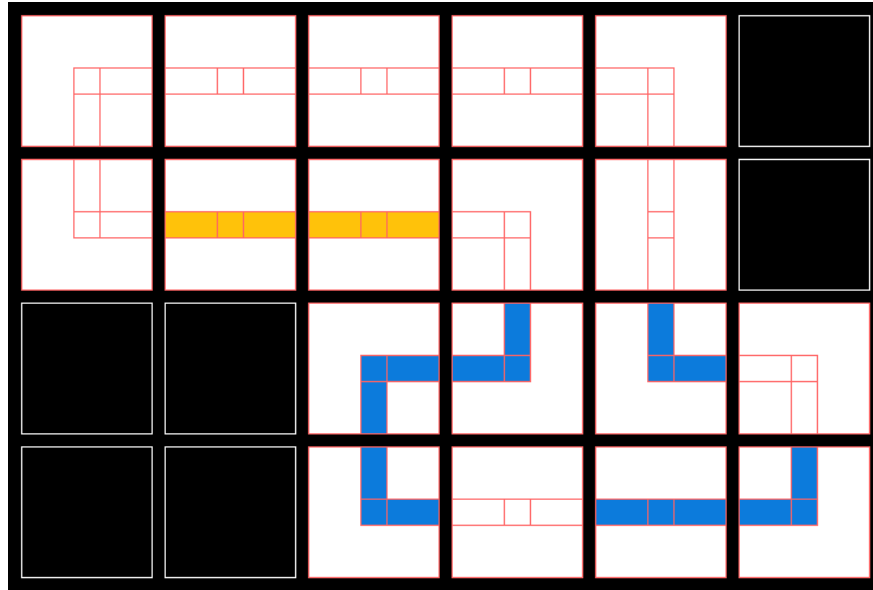
Figure 56: 1-1-S+L3x

Move	New State	Result
A1,A2	1-1-1-S+1	Loss
A1,A2,A3	1-1-1-S	Win
A1,B1	1-1-S+2	Loss
A2	1-1-2-S+1	Loss
A2,A3	1-1-2-S	Loss
A2,A3,A4	1-1-2-L	Loss
A3	1-1-Lx-S	Loss
A3,A4	1-1-L-Lx	Loss
A3,A4,A5	1-1-2-Lx	Loss
A4,B4	1-1-2-L3x	Loss
A5,B5	1-1-C4	Loss
B1	1-1-S+3	Loss
B4	1-1-C5	Loss
B4,B5	1-1-L5x	Loss
B5	1-1-C4+1	Loss
C6	1-S+L3x	Loss
D4	1-S+L3x	Loss

1-2-2-L4x
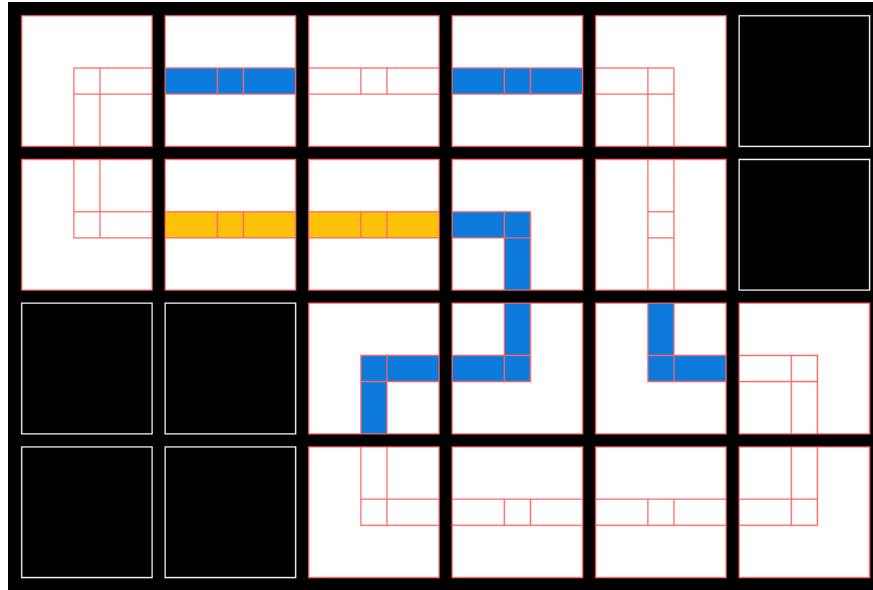
Figure 57: 1-2-2-L4x

Move	New State	Result
A1	1-1-2-L4x	Loss
A1,B1	1-2-L4x	Loss
A3	2-2-L4x	Loss
A5	1-1-2-L4x	Loss
A5,B5	1-2-L4x	Loss
B1	1-1-2-L4x	Loss
B5	1-1-2-L4x	Loss
C6	1-2-2-4	Loss
C6,D6	1-2-2-3	Loss
D3	1-2-2-L3x	Loss
D3,D4	1-2-2-Lx	Loss
D3,D4,D5	1-2-2-2	Loss
D4	1-1-2-2-Lx	Win
D4,D5	1-1-2-2-2	Loss
D4,D5,D6	1-1-1-2-2	Loss
D5	1-2-2-2-2	Loss
D5,D6	1-1-2-2-2	Loss

1-2-2-S+1
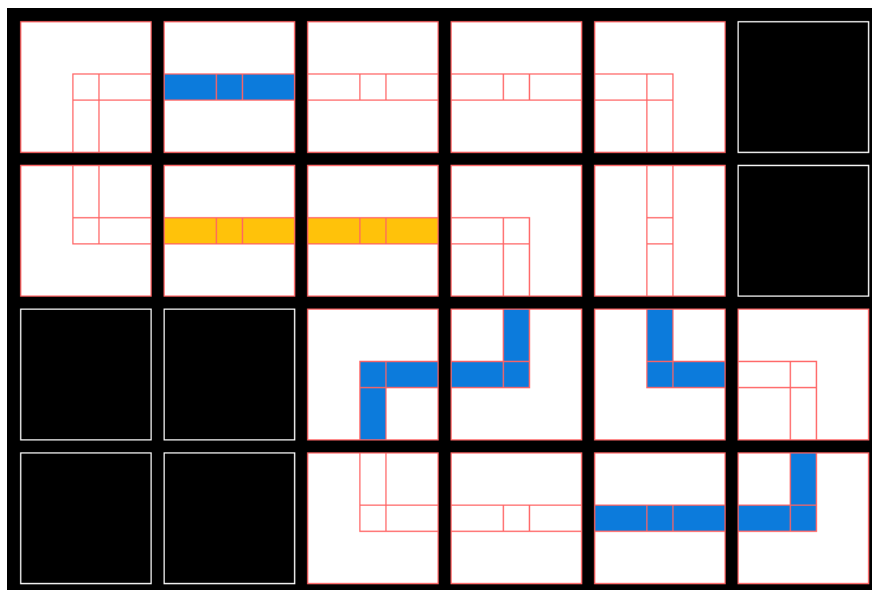
Figure 58: 1-2-2-S+1

Move	New State	Result
A1	1-1-2-S+1	Loss
A1,B1	1-2-S+1	Loss
A3	1-2-2-S	Win
A3,A4	1-2-2-L	Loss
A3,A4,A5	1-2-2-2	Loss
A4,B4	1-1-2-2-2	Loss
A5,B5	1-2-2-L	Loss
B1	1-1-2-S+1	Loss
B4	1-2-2-L3x	Loss
B4,B5	1-2-2-3	Loss
B5	1-2-2-T	Loss
C6	2-2-S+1	Win
D3	1-1-2-S+1	Loss
D3,D4	1-2-S+1	Loss
D4	1-1-2-S+1	Loss

1-2-C4+1
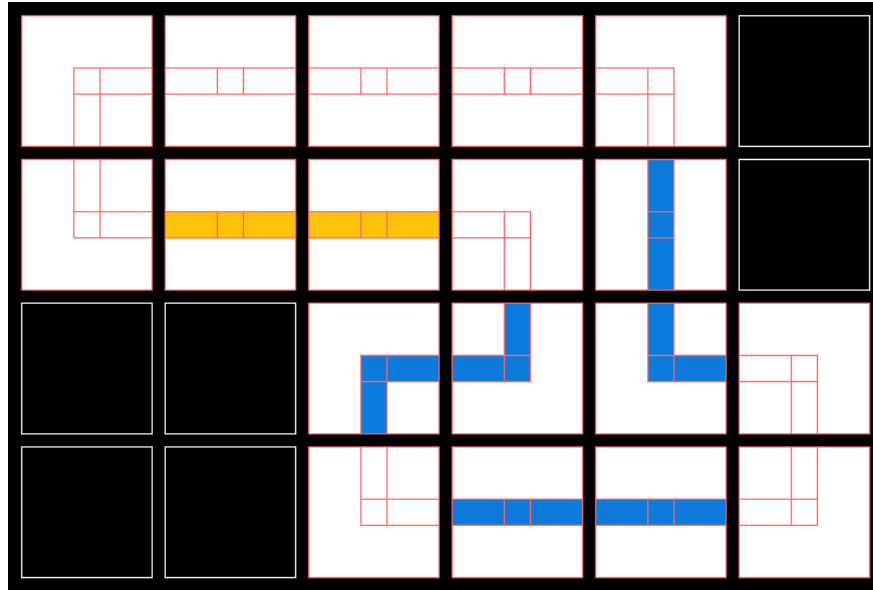
Figure 59: 1-2-C4+1

Move	New State	Result
A1,A2	1-1-2-T	Win
A1,A2,A3	1-1-2-L	Loss
A1,B1	1-2-T4	Loss
A2	1-2-2-T	Loss
A2,A3	1-2-2-L	Loss
A2,A3,A4	1-1-1-2-2	Loss
A3	1-2-L-Lx	Win
A3,A4	1-1-1-2-Lx	Loss
A3,A4,A5	1-1-2-Lx	Loss
A4,A5	1-1-2-L3x	Loss
A4,B4	1-1-2-L3x	Loss
A5	1-2-C4	Loss
B1	1-2-T5	Loss
B4	1-2-L5x	Loss
C6	1-1-C4+1	Loss
C6,D6	1-C4+1	Loss
D3	2-C4+1	Loss
D6	1-1-C4+1	Loss

1-2-C5
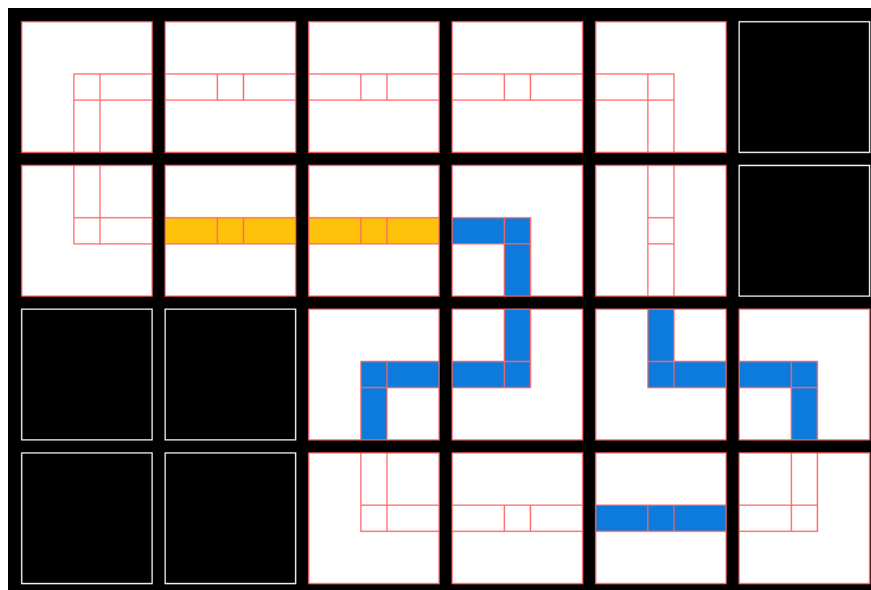
Figure 60: 1-2-C5

Move	New State	Result
A1,A2	1-1-2-L3x	Loss
A1,A2,A3	1-1-2-Lx	Loss
A1,B1	1-2-L4x	Loss
A2	1-2-2-L3x	Loss
A2,A3	1-2-2-Lx	Loss
A2,A3,A4	1-2-2-2	Loss
A3	1-2-Lx-Lx	Loss
A3,A4	1-2-2-Lx	Loss
A3,A4,A5	1-1-2-Lx	Loss
A4	1-2-2-L3x	Loss
A4,A5	1-1-2-L3x	Loss
A5,B5	1-2-L4x	Loss
B1	1-2-L5x	Loss
B5	1-2-L5x	Loss
D3	1-1-C5	Loss
D3,D4	1-C5	Loss
D4	1-1-C5	Loss
D6	2-C5	Loss

1-2-L3x-Lx
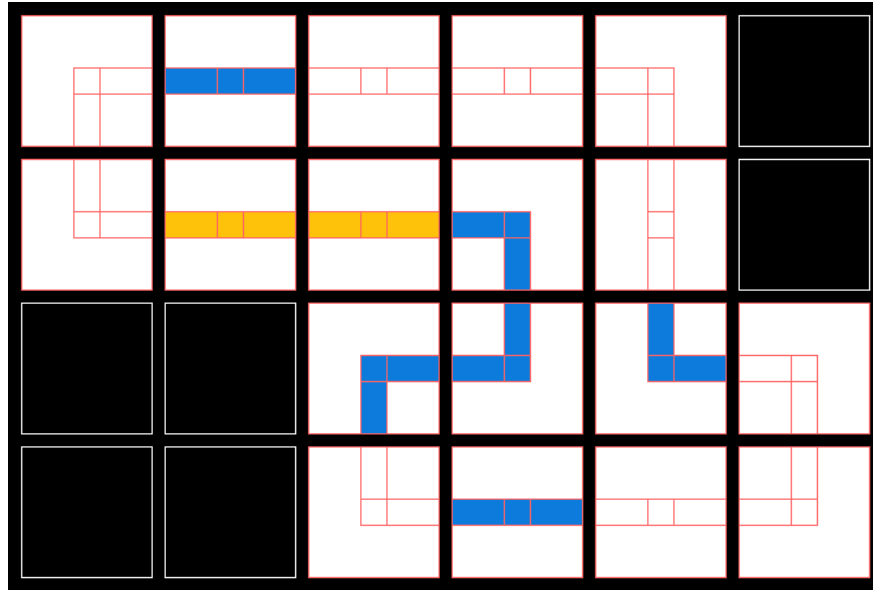
Figure 61: 1-2-L3x-Lx

Move	New State	Result
A1	1-1-L3x-Lx	Loss
A1,B1	1-L3x-Lx	Loss
A3	1-2-Lx-Lx	Loss
A3,A4	1-2-2-Lx	Loss
A3,A4,A5	1-1-2-Lx	Loss
A4	1-1-2-2-Lx	Win
A4,A5	1-1-1-2-Lx	Loss
A5,B5	1-2-2-Lx	Loss
B1	1-1-L3x-Lx	Loss
B5	1-2-3-Lx	Win
C6	1-2-2-L3x	Loss
C6,D6	1-1-2-L3x	Loss
D3	2-L3x-Lx	Loss
D5	1-2-2-L3x	Loss
D5,D6	1-1-2-L3x	Loss

1-2-Lx-S
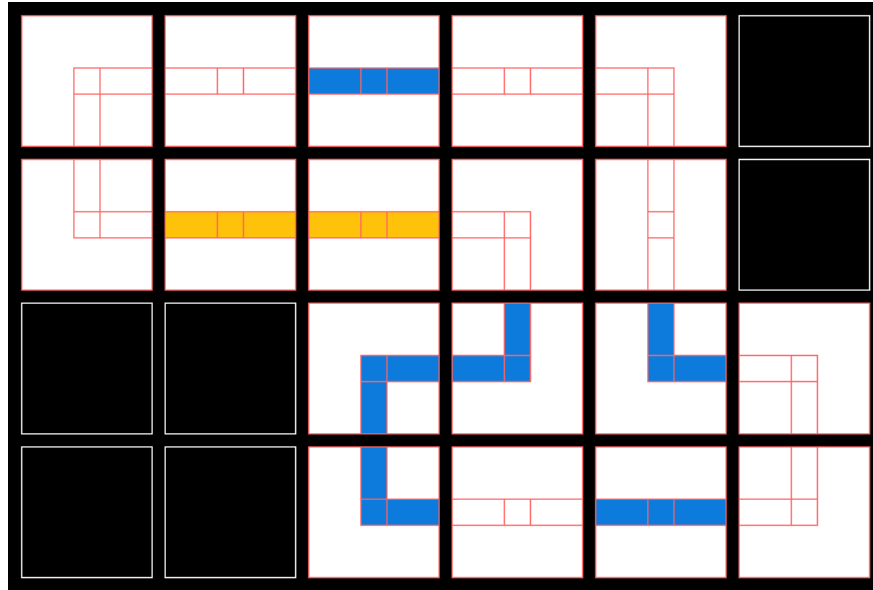
Figure 62: 1-2-Lx-S

Move	New State	Result
A1,A2	1-1-2-S	Loss
A1,B1	1-1-2-S	Loss
A2	1-2-2-S	Win
A4	1-2-L-Lx	Win
A4,A5	1-2-2-Lx	Loss
A4,B4	1-2-2-Lx	Loss
A5,B5	1-2-2-Lx	Loss
B1	1-2-2-S	Win
B4	1-2-Lx-Lx	Loss
B4,B5	1-2-2-Lx	Loss
B5	1-2-L-Lx	Win
C6	1-1-Lx-S	Loss
C6,D6	1-Lx-S	Win
D4	2-Lx-S	Loss
D6	1-1-Lx-S	Loss

1-2-Lx-T
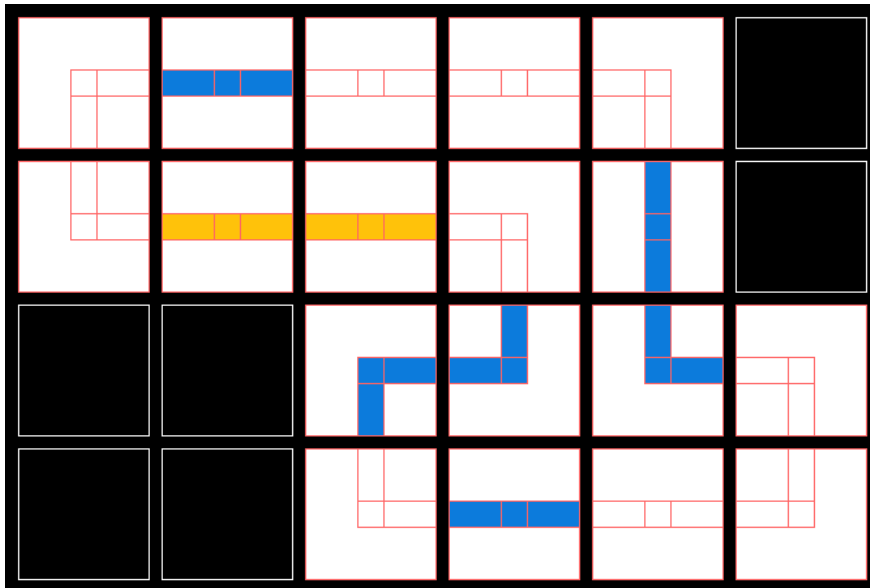
Figure 63: 1-2-Lx-T

Move	New State	Result
A1	1-1-Lx-T	Loss
A1,B1	1-Lx-T	Loss
A3	1-2-L-Lx	Win
A3,A4	1-1-1-2-Lx	Loss
A3,A4,A5	1-1-2-Lx	Loss
A4,A5	1-1-1-2-Lx	Loss
A4,B4	1-1-1-2-Lx	Loss
A5	1-2-L-Lx	Win
B1	1-1-Lx-T	Loss
B4	1-2-3-Lx	Win
C6	1-2-2-T	Loss
C6,D6	1-1-2-T	Win
D3	2-Lx-T	Win
D5	1-2-2-T	Loss
D5,D6	1-1-2-T	Win

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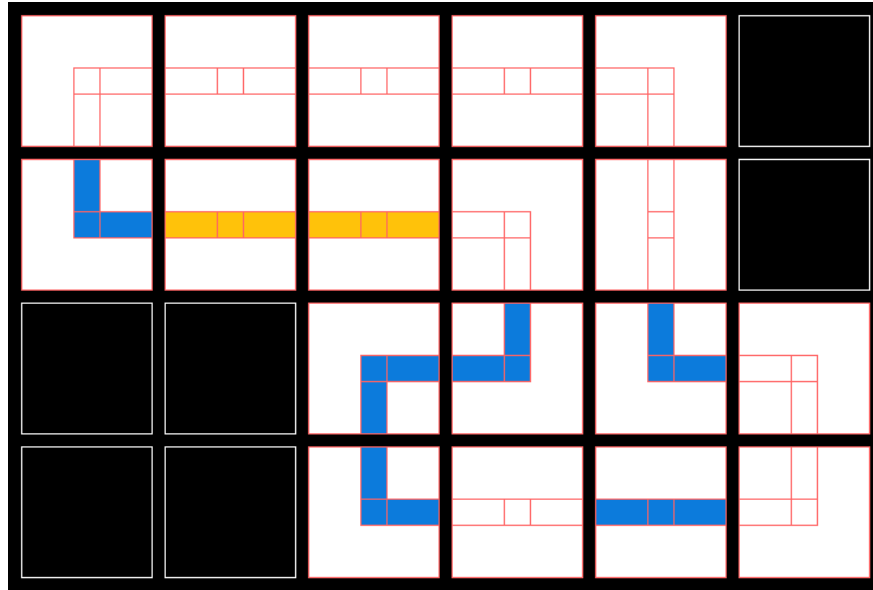
1-2-S+3

Figure 64: 1-2-S+3

Move	New State	Result
A1	1-2-S+2	Loss
A1,A2	1-2-S+1	Loss
A1,A2,A3	1-2-S	Loss
A2	1-1-2-S+1	Loss
A2,A3	1-1-2-S	Loss
A2,A3,A4	1-1-2-L	Loss
A3	1-2-2-S	Win
A3,A4	1-2-2-L	Loss
A3,A4,A5	1-2-2-2	Loss
A4,B4	1-2-2-3	Loss
A5,B5	1-2-L4	Loss
B4	1-2-L5x	Loss
B4,B5	1-2-5	Loss
B5	1-2-T5	Loss
C6	1-1-S+3	Loss
C6,D6	1-S+3	Loss
D4	2-S+3	Loss
D6	1-1-S+3	Loss

1-4-S+1
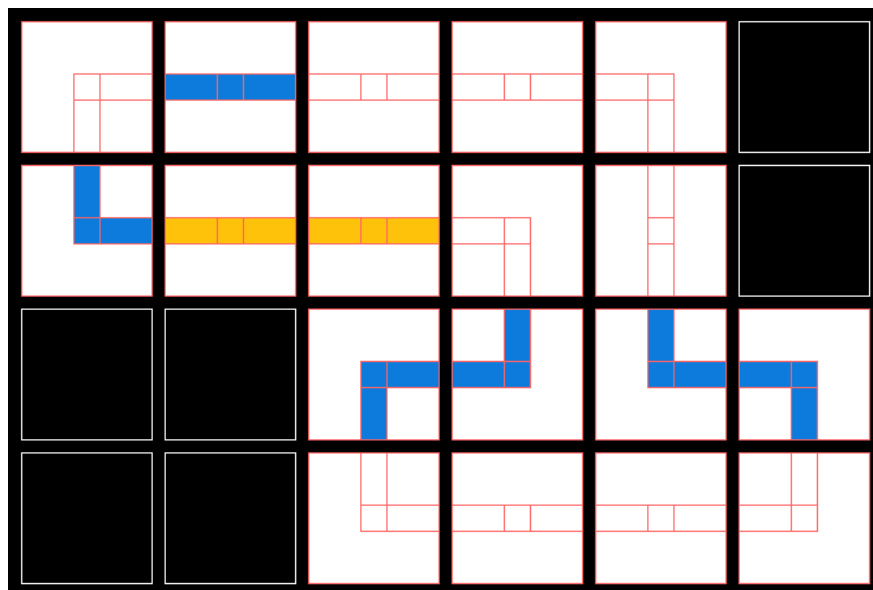
Figure 65: 1-4-S+1

Move	New State	Result
A1	4-S+1	Loss
A3	1-4-S	Loss
A3,A4	1-4-L	Loss
A3,A4,A5	1-2-4	Loss
A4,B4	1-1-2-4	Loss
A5,B5	1-4-L	Loss
B4	1-4-L3x	Loss
B4,B5	1-3-4	Loss
B5	1-4-T	Loss
D3	1-3-S+1	Loss
D3,D4	1-2-S+1	Loss
D3,D4,D5	1-1-S+1	Win
D4	1-1-2-S+1	Loss
D4,D5	1-1-1-S+1	Loss
D4,D5,D6	1-1-S+1	Win
D5	1-1-2-S+1	Loss
D5,D6	1-2-S+1	Loss
D6	1-3-S+1	Loss

1-C4-Lx
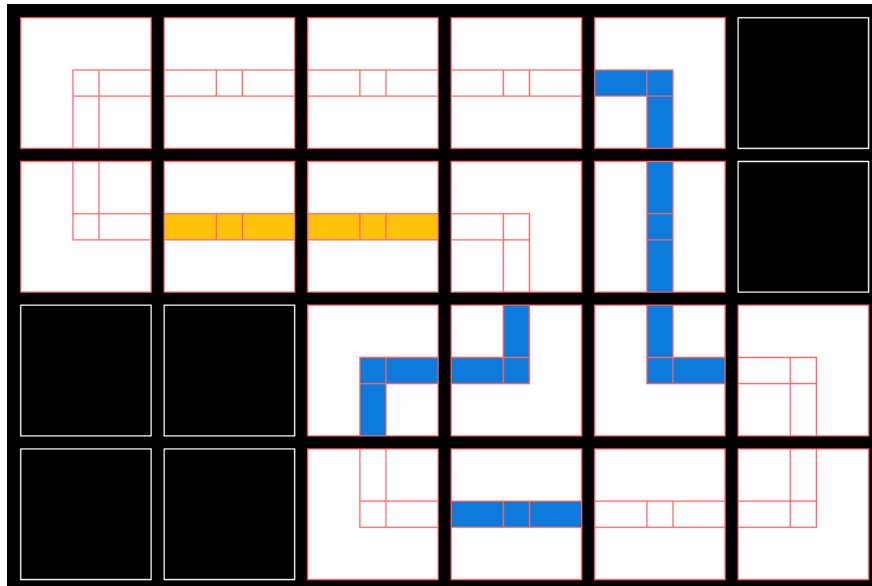
Figure 66: 1-C4-Lx

Move	New State	Result
A1,A2	1-1-L-Lx	Loss
A1,A2,A3	1-1-2-Lx	Loss
A1,B1	1-L3-Lx	Loss
A2	1-2-L-Lx	Win
A2,A3	1-2-2-Lx	Loss
A2,A3,A4	1-1-2-Lx	Loss
A3	1-2-Lx-Lx	Loss
A3,A4	1-1-Lx-Lx	Win
A4	1-1-L3x-Lx	Loss
A4,B4	1-L3x-Lx	Loss
B1	1-L4-Lx	Win
B4	1-L4x-Lx	Loss
C6	1-2-C4	Loss
C6,D6	1-1-C4	Loss
D3	C4-Lx	Loss
D5	1-2-C4	Loss
D5,D6	1-1-C4	Loss

1-L-Lx-Lx
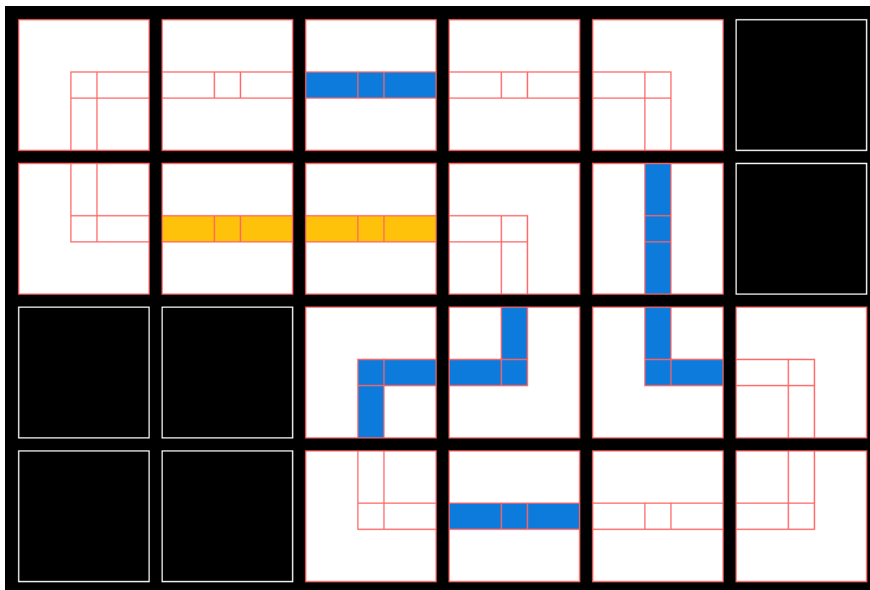
Figure 67: 1-L-Lx-Lx

Move	New State	Result
A1,A2	1-1-L-Lx	Loss
A1,B1	1-1-L-Lx	Loss
A2	1-2-L-Lx	Win
A4	1-1-1-Lx-Lx	Loss
A4,A5	1-1-Lx-Lx	Win
A4,B4	1-1-Lx-Lx	Win
A5	1-2-Lx-Lx	Loss
B1	1-2-L-Lx	Win
B4	1-2-Lx-Lx	Loss
C6	1-2-L-Lx	Win
C6,D6	1-1-L-Lx	Loss
D3	L-Lx-Lx	Loss
D5	1-2-L-Lx	Win
D5,D6	1-1-L-Lx	Loss

1-L3x-L4x
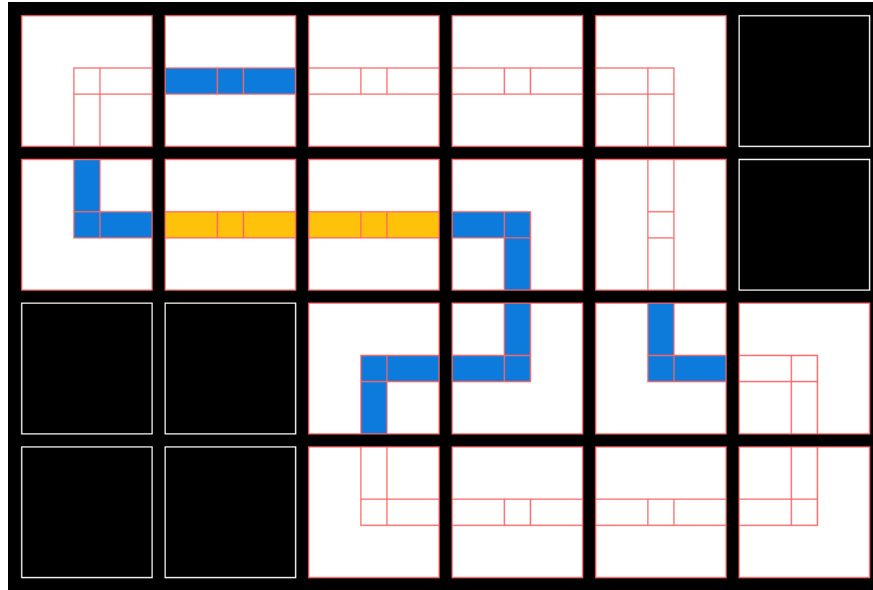
Figure 68: 1-L3x-L4x

Move	New State	Result
A1	L3x-L4x	Loss
A3	1-L4x-Lx	Loss
A3,A4	1-2-L4x	Loss
A3,A4,A5	1-1-L4x	Loss
A4	1-1-2-L4x	Loss
A4,A5	1-1-1-L4x	Loss
A5,B5	1-2-L4x	Loss
B5	1-3-L4x	Loss
C6	1-4-L3x	Loss
C6,D6	1-3-L3x	Loss
D3	1-L3x-L3x	Loss
D3,D4	1-L3x-Lx	Loss
D3,D4,D5	1-2-L3x	Loss
D4	1-1-L3x-Lx	Loss
D4,D5	1-1-2-L3x	Loss
D4,D5,D6	1-1-1-L3x	Loss
D5	1-2-2-L3x	Loss
D5,D6	1-1-2-L3x	Loss

1-L3x-S+1
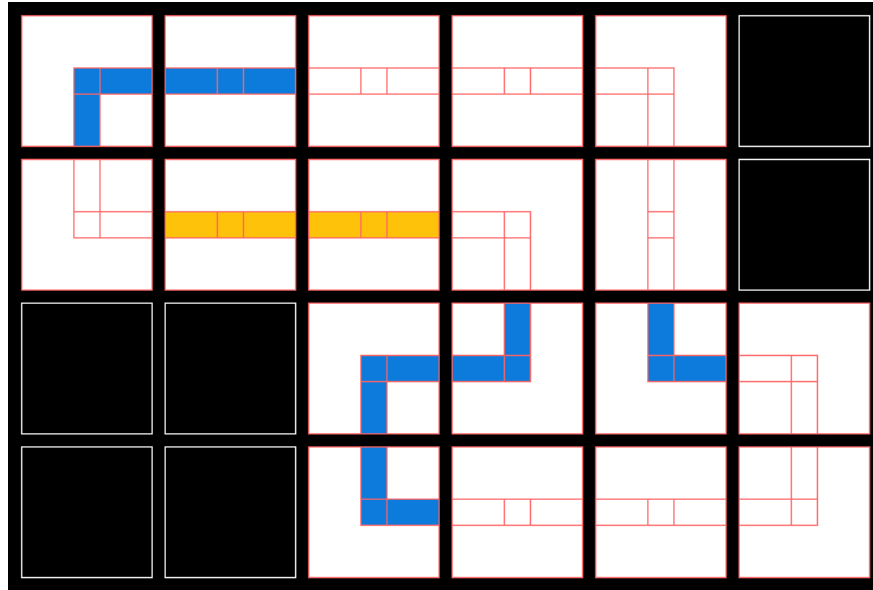
Figure 69: 1-L3x-S+1

Move	New State	Result
A3	1-L3x-S	Loss
A3,A4	1-L-L3x	Loss
A3,A4,A5	1-2-L3x	Loss
A4,B4	1-1-2-L3x	Loss
A5,B5	1-L-L3x	Loss
B1	L3x-S+1	Loss
B4	1-L3x-L3x	Loss
B4,B5	1-3-L3x	Loss
B5	1-L3x-T	Loss
C6	1-3-S+1	Loss
C6,D6	1-2-S+1	Loss
D4	1-Lx-S+1	Loss
D4,D5	1-2-S+1	Loss
D4,D5,D6	1-1-S+1	Win
D5	1-1-2-S+1	Loss
D5,D6	1-1-1-S+1	Loss

1-L4x-S
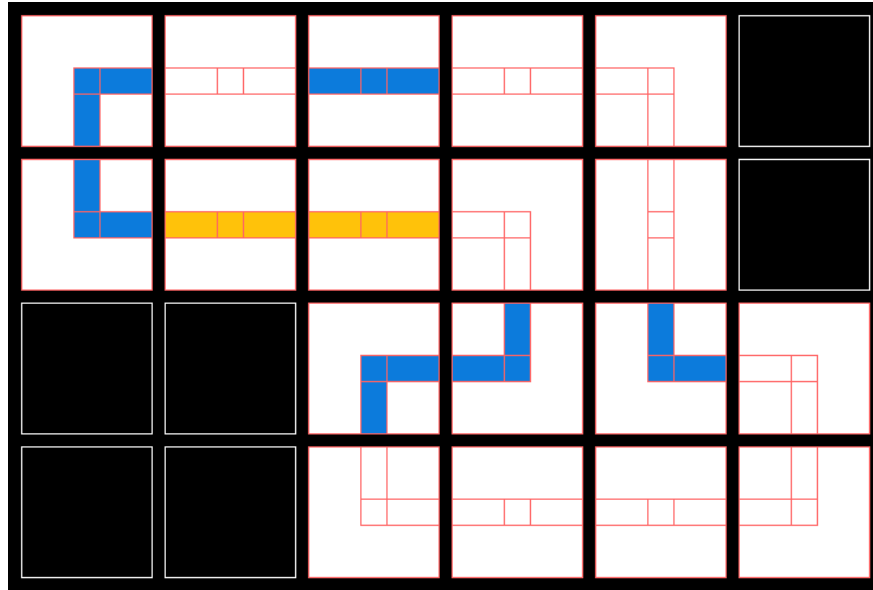
Figure 70: 1-L4x-S

Move	New State	Result
A2	L4x-S	Loss
A4	1-L-L4x	Loss
A4,A5	1-2-L4x	Loss
A4,B4	1-2-L4x	Loss
A5,B5	1-2-L4x	Loss
B4	1-L4x-Lx	Loss
B4,B5	1-2-L4x	Loss
B5	1-L-L4x	Loss
C6	1-4-S	Loss
C6,D6	1-3-S	Loss
D3	1-L3x-S	Loss
D3,D4	1-Lx-S	Win
D3,D4,D5	1-2-S	Loss
D4	1-1-Lx-S	Loss
D4,D5	1-1-2-S	Loss
D4,D5,D6	1-1-1-S	Win
D5	1-2-2-S	Win
D5,D6	1-1-2-S	Loss

1-L4x-T
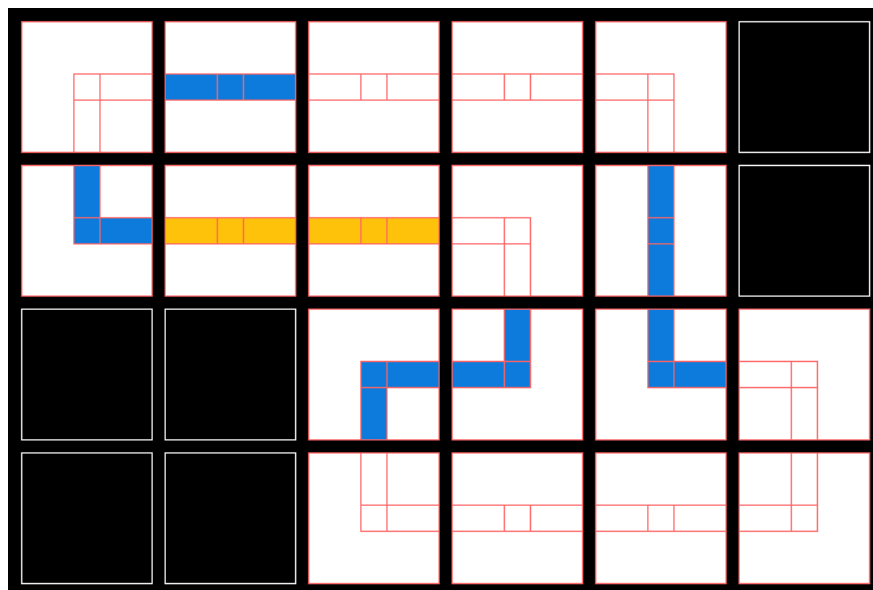
Figure 71: 1-L4x-T

Move	New State	Result
A1	L4x-T	Loss
A3	1-L-L4x	Loss
A3,A4	1-1-1-L4x	Loss
A3,A4,A5	1-1-L4x	Loss
A4,A5	1-1-1-L4x	Loss
A4,B4	1-1-1-L4x	Loss
A5	1-L-L4x	Loss
B4	1-3-L4x	Loss
C6	1-4-T	Loss
C6,D6	1-3-T	Win
D3	1-L3x-T	Loss
D3,D4	1-Lx-T	Loss
D3,D4,D5	1-2-T	Loss
D4	1-1-Lx-T	Loss
D4,D5	1-1-2-T	Win
D4,D5,D6	1-1-1-T	Loss
D5	1-2-2-T	Loss
D5,D6	1-1-2-T	Win

1-L5x-Lx
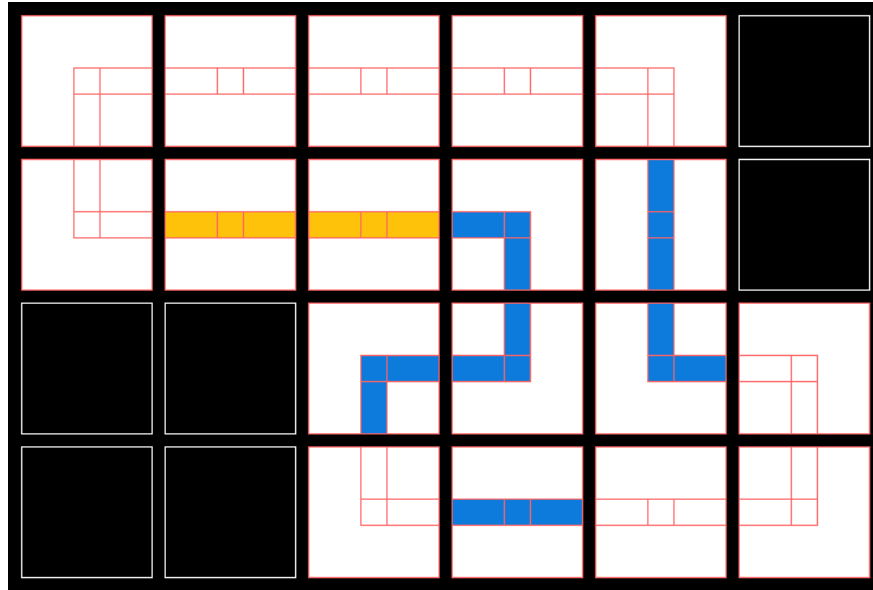
Figure 72: 1-L5x-Lx

Move	New State	Result
A1,A2	1-1-3-Lx	Loss
A1,A2,A3	1-1-2-Lx	Loss
A1,B1	1-4-Lx	Loss
A2	1-2-3-Lx	Win
A2,A3	1-2-2-Lx	Loss
A2,A3,A4	1-1-2-Lx	Loss
A3	1-2-Lx-Lx	Loss
A3,A4	1-1-Lx-Lx	Win
A3,A4,A5	1-Lx-Lx	Loss
A4	1-1-L3x-Lx	Loss
A4,A5	1-L3x-Lx	Loss
A5	1-L4x-Lx	Loss
B1	1-5-Lx	Win
C6	1-2-L5x	Loss
C6,D6	1-1-L5x	Loss
D3	L5x-Lx	Loss
D5	1-2-L5x	Loss
D5,D6	1-1-L5x	Loss

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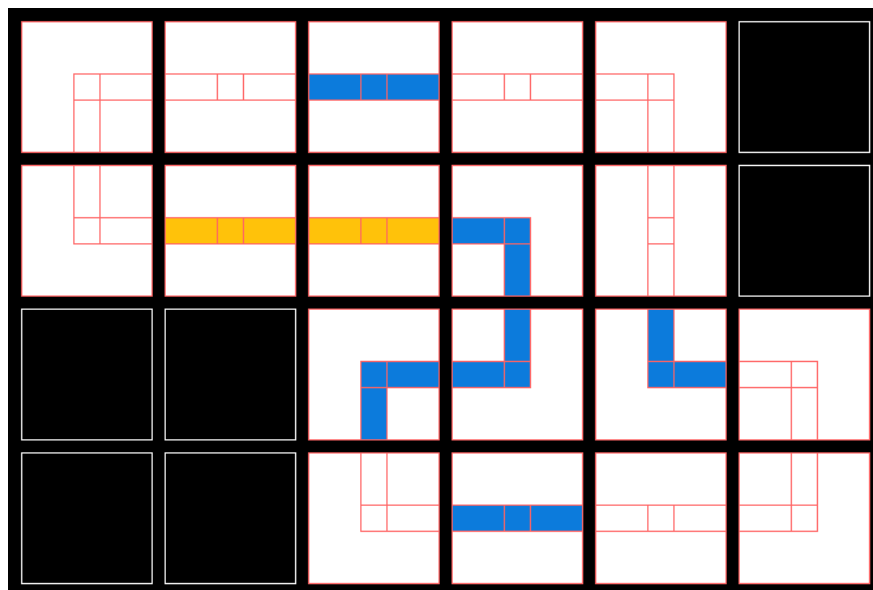
1-Lx-Lx-Lx

Figure 73: 1-Lx-Lx-Lx

Move	New State	Result
A1,A2	1-1-Lx-Lx	Win
A1,B1	1-1-Lx-Lx	Win
A2	1-2-Lx-Lx	Loss
A4	1-2-Lx-Lx	Loss
A4,A5	1-1-Lx-Lx	Win
A5,B5	1-1-Lx-Lx	Win
B1	1-2-Lx-Lx	Loss
B5	1-2-Lx-Lx	Loss
C6	1-2-Lx-Lx	Loss
C6,D6	1-1-Lx-Lx	Win
D3	Lx-Lx-Lx	Win
D5	1-2-Lx-Lx	Loss
D5,D6	1-1-Lx-Lx	Win

1-Lx-S+2
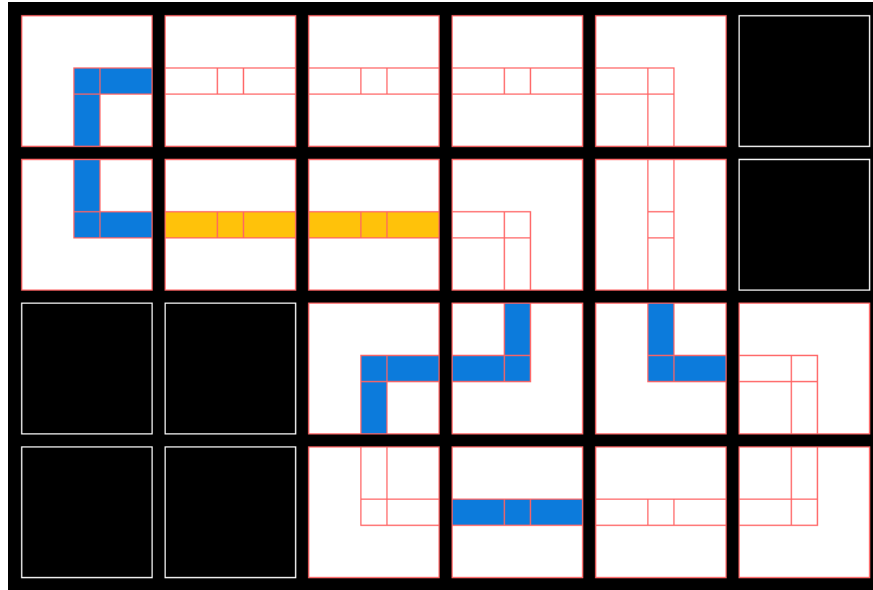
Figure 74: 1-Lx-S+2

Move	New State	Result
A2	1-Lx-S+1	Loss
A2,A3	1-Lx-S	Win
A2,A3,A4	1-L-Lx	Loss
A3	1-1-Lx-S	Loss
A3,A4	1-1-L-Lx	Loss
A3,A4,A5	1-1-2-Lx	Loss
A4,B4	1-2-2-Lx	Loss
A5,B5	1-L3-Lx	Loss
B4	1-L4x-Lx	Loss
B4,B5	1-4-Lx	Loss
B5	1-Lx-T4	Loss
C6	1-2-S+2	Loss
C6,D6	1-1-S+2	Loss
D3	Lx-S+2	Loss
D5	1-2-S+2	Loss
D5,D6	1-1-S+2	Loss

1-Lx-T5
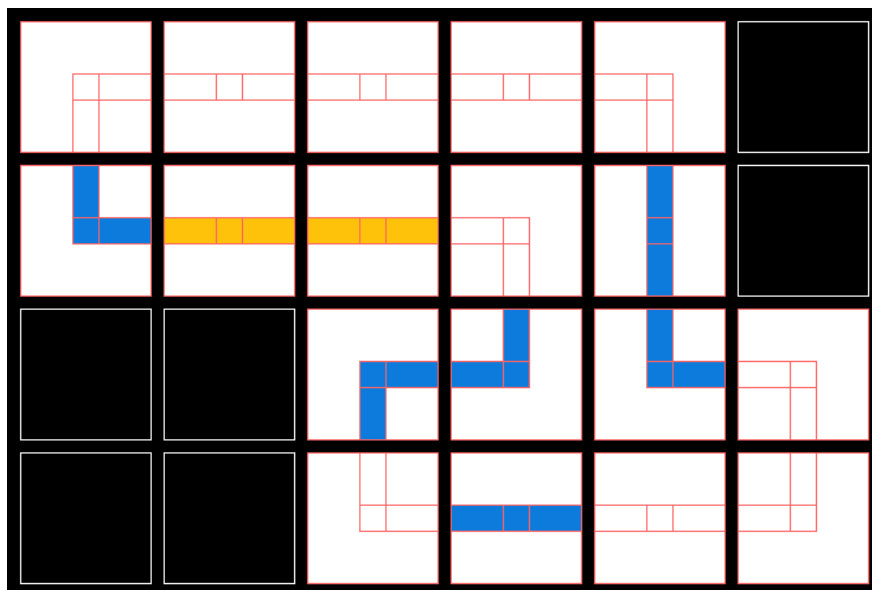
Figure 75: 1-Lx-T5

Move	New State	Result
A1	1-Lx-T4	Loss
A1,A2	1-Lx-T	Loss
A1,A2,A3	1-L-Lx	Loss
A2	1-1-Lx-T	Loss
A2,A3	1-1-L-Lx	Loss
A2,A3,A4	1-1-1-1-Lx	Win
A3	1-2-L-Lx	Win
A3,A4	1-1-1-2-Lx	Loss
A3,A4,A5	1-1-2-Lx	Loss
A4,A5	1-1-3-Lx	Loss
A4,B4	1-1-3-Lx	Loss
A5	1-L4-Lx	Win
B4	1-5-Lx	Win
C6	1-2-T5	Loss
C6,D6	1-1-T5	Win
D3	Lx-T5	Win
D5	1-2-T5	Loss
D5,D6	1-1-T5	Win

2-2-2-L3x
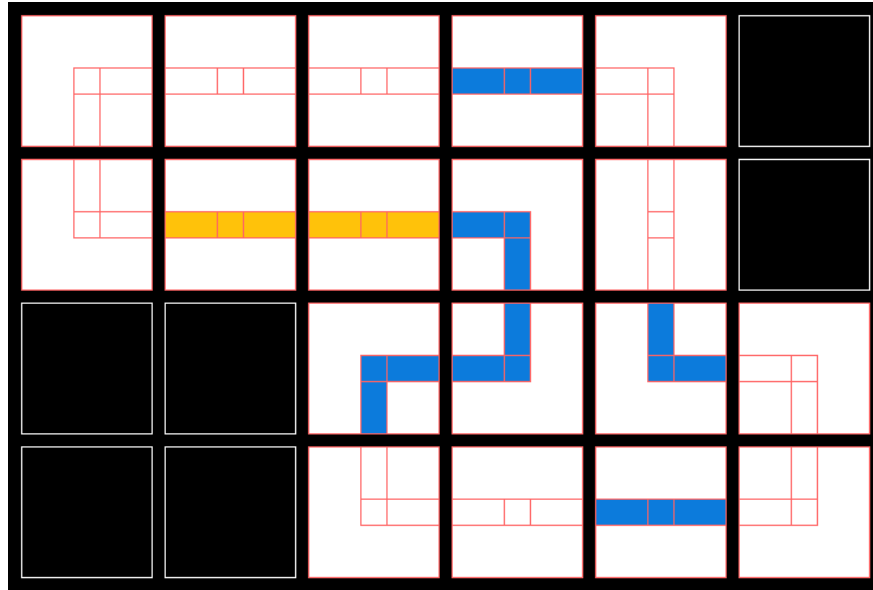
Figure 76: 2-2-2-L3x

Move	New State	Result
A1,A2	1-1-2-2-2	Loss
A1,A2,A3	1-2-2-2	Loss
A1,B1	2-2-2-2	Win
A2	1-2-2-2-2	Loss
A2,A3	2-2-2-2	Win
A3	2-2-2-Lx	Loss
A5	1-2-2-L3x	Loss
A5,B5	2-2-L3x	Loss
B1	2-2-2-3	Loss
B5	1-2-2-L3x	Loss
C6	1-2-2-L3x	Loss
C6,D6	2-2-L3x	Loss
D3	1-2-2-L3x	Loss
D3,D4	2-2-L3x	Loss
D4	1-2-2-L3x	Loss
D6	1-2-2-L3x	Loss

2-2-2-S
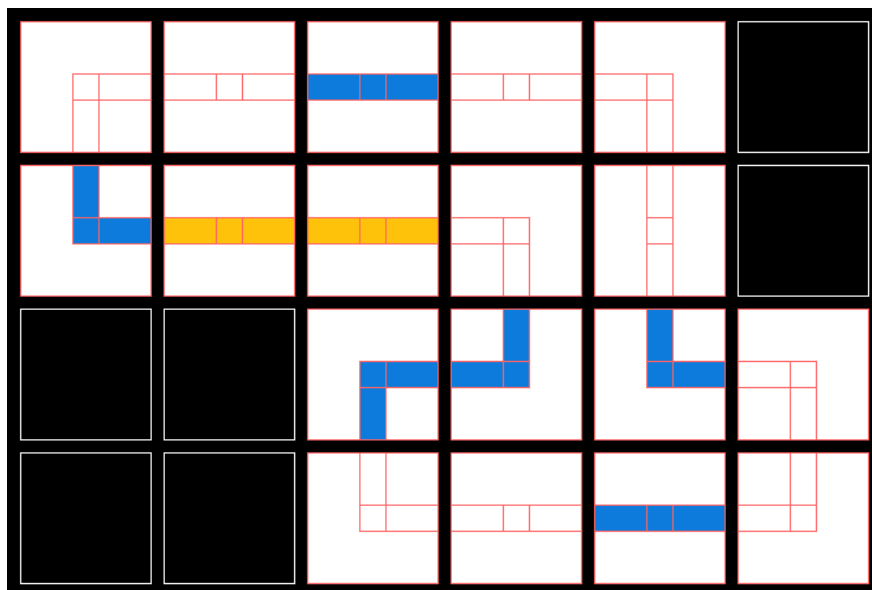
Figure 77: 2-2-2-S

Move	New State	Result
A1	1-2-2-S	Win
A1,A2	2-2-S	Loss
A2	1-2-2-S	Win
A4	2-2-2-L	Loss
A4,A5	2-2-2-2	Win
A4,B4	2-2-2-2	Win
A5,B5	2-2-2-2	Win
B4	2-2-2-Lx	Loss
B4,B5	2-2-2-2	Win
B5	2-2-2-L	Loss
C6	1-2-2-S	Win
C6,D6	2-2-S	Loss
D3	1-2-2-S	Win
D3,D4	2-2-S	Loss
D4	1-2-2-S	Win
D6	1-2-2-S	Win

2-2-2-T
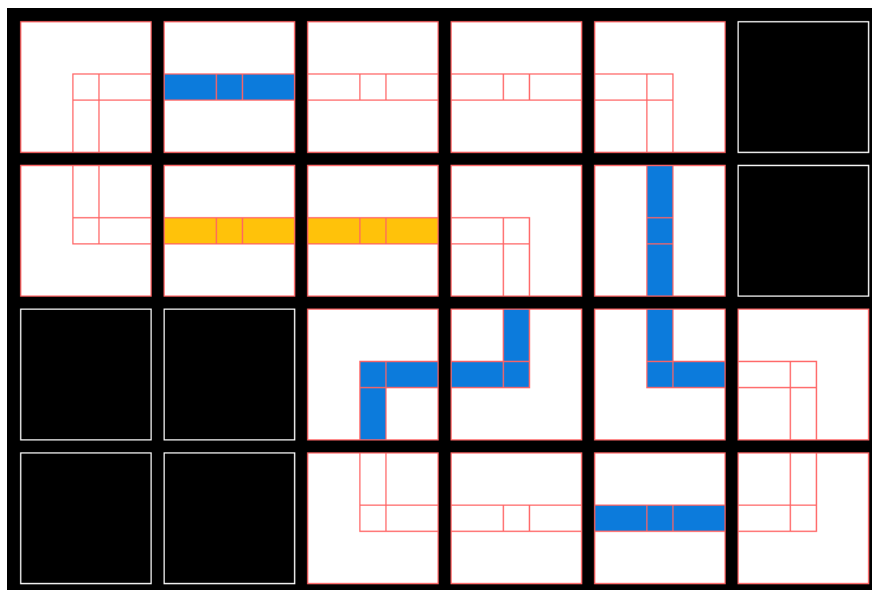
Figure 78: 2-2-2-T

Move	New State	Result
A1	1-2-2-T	Loss
A1,B1	2-2-T	Loss
A3	2-2-2-L	Loss
A3,A4	1-1-2-2-2	Loss
A3,A4,A5	1-2-2-2	Loss
A4,A5	1-1-2-2-2	Loss
A4,B4	1-1-2-2-2	Loss
A5	2-2-2-L	Loss
B1	1-2-2-T	Loss
B4	2-2-2-3	Loss
C6	1-2-2-T	Loss
C6,D6	2-2-T	Loss
D3	1-2-2-T	Loss
D3,D4	2-2-T	Loss
D4	1-2-2-T	Loss
D6	1-2-2-T	Loss

2-2-C4
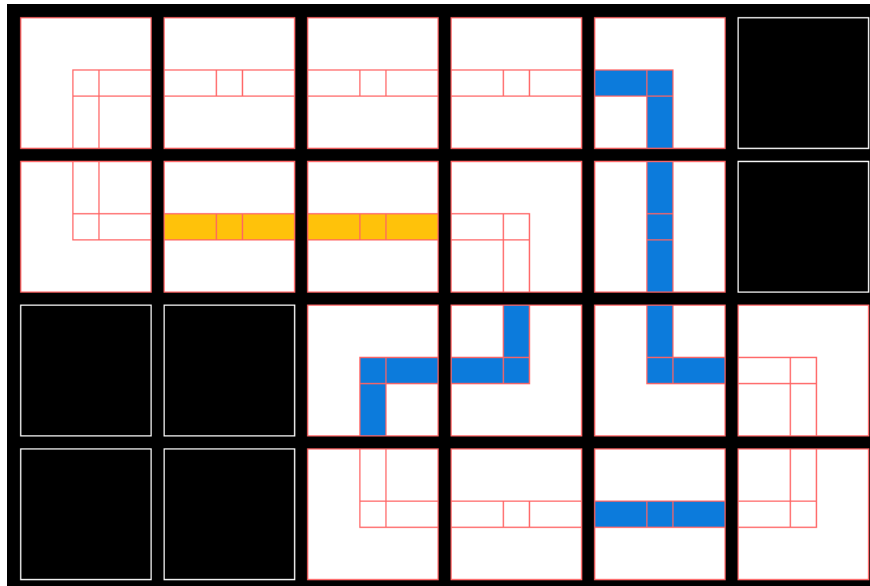
Figure 79: 2-2-C4

Move	New State	Result
A1,A2	1-2-2-L	Loss
A1,A2,A3	1-2-2-2	Loss
A1,B1	2-2-L3	Loss
A2	2-2-2-L	Loss
A2,A3	2-2-2-2	Win
A2,A3,A4	1-2-2-2	Loss
A3	2-2-2-Lx	Loss
A3,A4	1-2-2-Lx	Loss
A4	1-2-2-L3x	Loss
A4,B4	2-2-L3x	Loss
B1	2-2-L4	Loss
B4	2-2-L4x	Loss
C6	1-2-C4	Loss
C6,D6	2-C4	Loss
D3	1-2-C4	Loss
D3,D4	2-C4	Loss
D4	1-2-C4	Loss
D6	1-2-C4	Loss

2-2-L-Lx
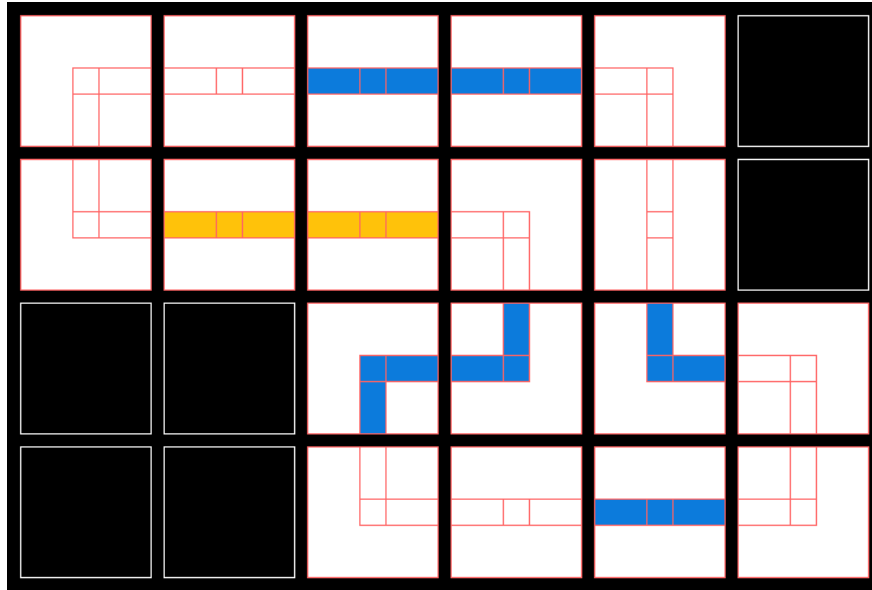
Figure 80: 2-2-L-Lx

Move	New State	Result
A1,A2	1-2-2-L	Loss
A1,B1	1-2-2-L	Loss
A2	2-2-2-L	Loss
A5	2-2-2-Lx	Loss
A5,B5	1-2-2-Lx	Loss
B1	2-2-2-L	Loss
B4	2-2-2-Lx	Loss
B4,B5	1-2-2-Lx	Loss
B5	1-1-2-2-Lx	Win
C6	1-2-L-Lx	Win
C6,D6	2-L-Lx	Loss
D3	1-2-L-Lx	Win
D3,D4	2-L-Lx	Loss
D4	1-2-L-Lx	Win
D6	1-2-L-Lx	Win

2-2-L5x
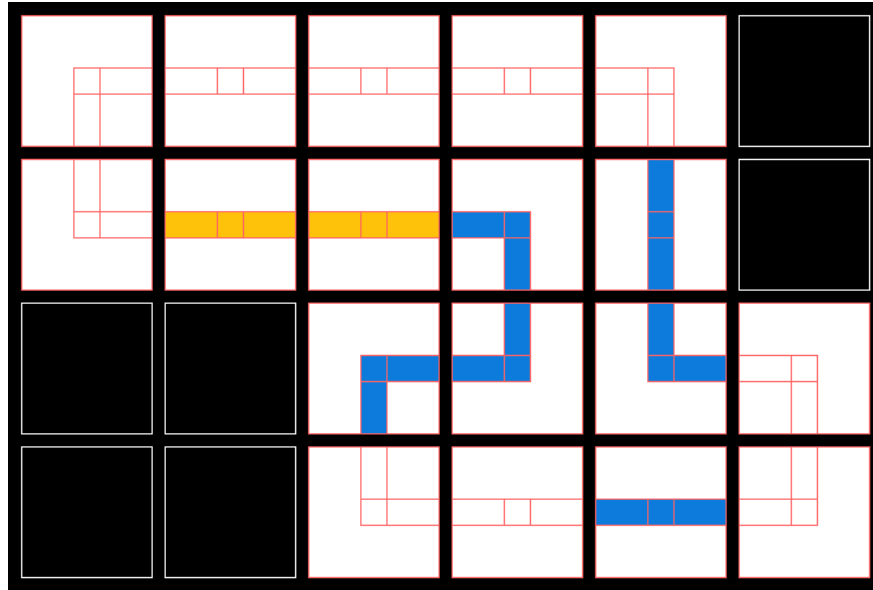
Figure 81: 2-2-L5x

Move	New State	Result
A1,A2	1-2-2-3	Loss
A1,A2,A3	1-2-2-2	Loss
A1,B1	2-2-4	Loss
A2	2-2-2-3	Loss
A2,A3	2-2-2-2	Win
A2,A3,A4	1-2-2-2	Loss
A3	2-2-2-Lx	Loss
A3,A4	1-2-2-Lx	Loss
A3,A4,A5	2-2-Lx	Win
A4	1-2-2-L3x	Loss
A4,A5	2-2-L3x	Loss
A5	2-2-L4x	Loss
B1	2-2-5	Loss
C6	1-2-L5x	Loss
C6,D6	2-L5x	Loss
D3	1-2-L5x	Loss
D3,D4	2-L5x	Loss
D4	1-2-L5x	Loss
D6	1-2-L5x	Loss

2-2-Lx-Lx
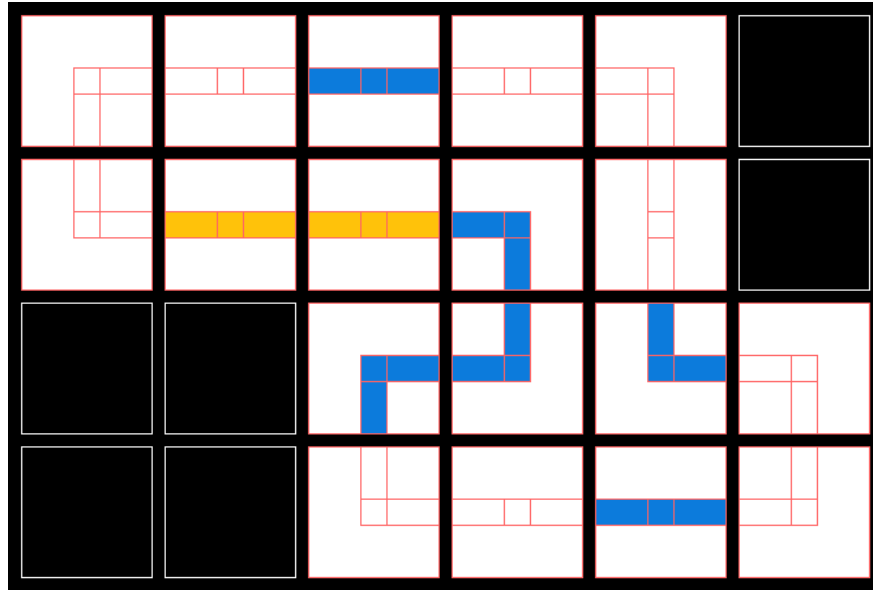
Figure 82: 2-2-Lx-Lx

Move	New State	Result
A1,A2	1-2-2-Lx	Loss
A1,B1	1-2-2-Lx	Loss
A2	2-2-2-Lx	Loss
A4	2-2-2-Lx	Loss
A4,A5	1-2-2-Lx	Loss
A5,B5	1-2-2-Lx	Loss
B1	2-2-2-Lx	Loss
B5	2-2-2-Lx	Loss
C6	1-2-Lx-Lx	Loss
C6,D6	2-Lx-Lx	Loss
D3	1-2-Lx-Lx	Loss
D3,D4	2-Lx-Lx	Loss
D4	1-2-Lx-Lx	Loss
D6	1-2-Lx-Lx	Loss

2-2-S+2
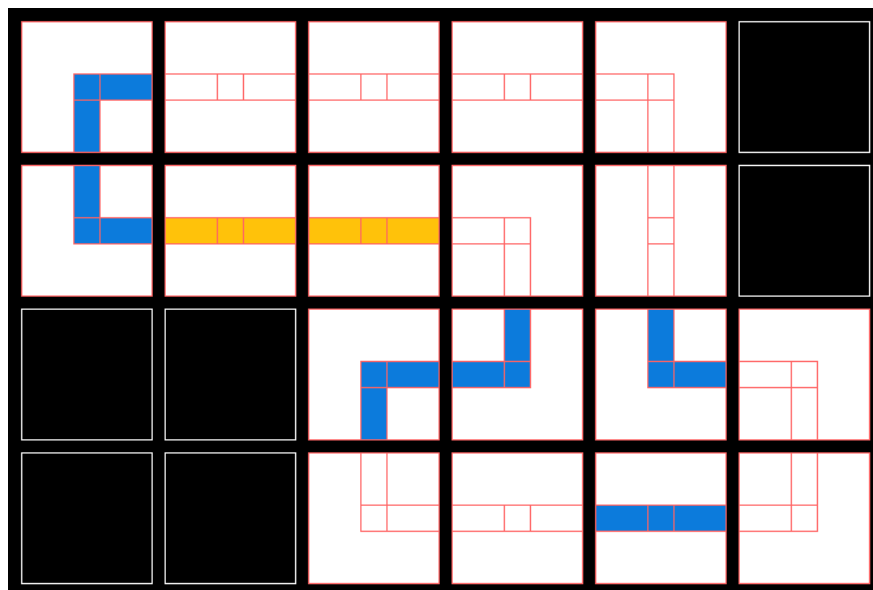
Figure 83: 2-2-S+2

Move	New State	Result
A2	2-2-S+1	Win
A2,A3	2-2-S	Loss
A2,A3,A4	2-2-L	Loss
A3	1-2-2-S	Win
A3,A4	1-2-2-L	Loss
A3,A4,A5	1-2-2-2	Loss
A4,B4	2-2-2-2	Win
A5,B5	2-2-L3	Loss
B4	2-2-L4x	Loss
B4,B5	2-2-4	Loss
B5	2-2-T4	Loss
C6	1-2-S+2	Loss
C6,D6	2-S+2	Loss
D3	1-2-S+2	Loss
D3,D4	2-S+2	Loss
D4	1-2-S+2	Loss
D6	1-2-S+2	Loss

2-2-T5
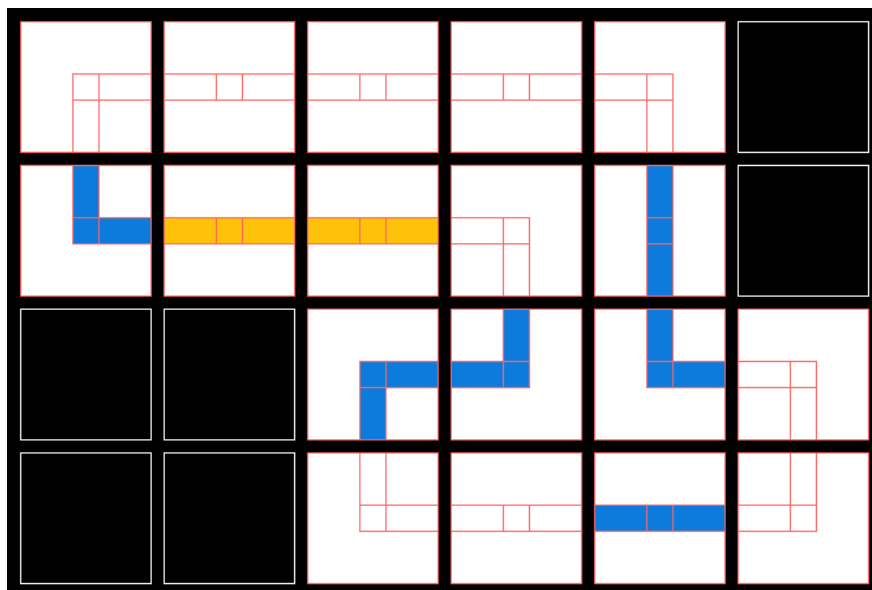
Figure 84: 2-2-T5

Move	New State	Result
A1	2-2-T4	Loss
A1,A2	2-2-T	Loss
A1,A2,A3	2-2-L	Loss
A2	1-2-2-T	Loss
A2,A3	1-2-2-L	Loss
A2,A3,A4	1-1-1-2-2	Loss
A3	2-2-2-L	Loss
A3,A4	1-1-2-2-2	Loss
A3,A4,A5	1-2-2-2	Loss
A4,A5	1-2-2-3	Loss
A4,B4	1-2-2-3	Loss
A5	2-2-L4	Loss
B4	2-2-5	Loss
C6	1-2-T5	Loss
C6,D6	2-T5	Loss
D3	1-2-T5	Loss
D3,D4	2-T5	Loss
D4	1-2-T5	Loss
D6	1-2-T5	Loss

2-3-L4x
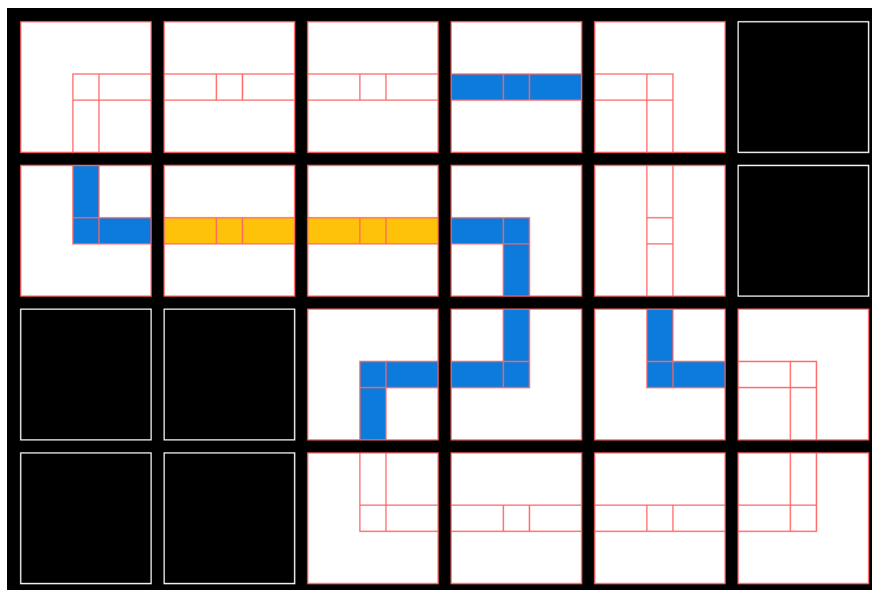
Figure 85: 2-3-L4x

Move	New State	Result
A1	2-2-L4x	Loss
A1,A2	1-2-L4x	Loss
A1,A2,A3	2-L4x	Loss
A2	1-1-2-L4x	Loss
A2,A3	1-2-L4x	Loss
A3	2-2-L4x	Loss
A5	1-3-L4x	Loss
A5,B5	3-L4x	Loss
B5	1-3-L4x	Loss
C6	2-3-4	Loss
C6,D6	2-3-3	Loss
D3	2-3-L3x	Loss
D3,D4	2-3-Lx	Loss
D3,D4,D5	2-2-3	Loss
D4	1-2-3-Lx	Win
D4,D5	1-2-2-3	Loss
D4,D5,D6	1-1-2-3	Loss
D5	2-2-2-3	Loss
D5,D6	1-2-2-3	Loss

2-3-S+1
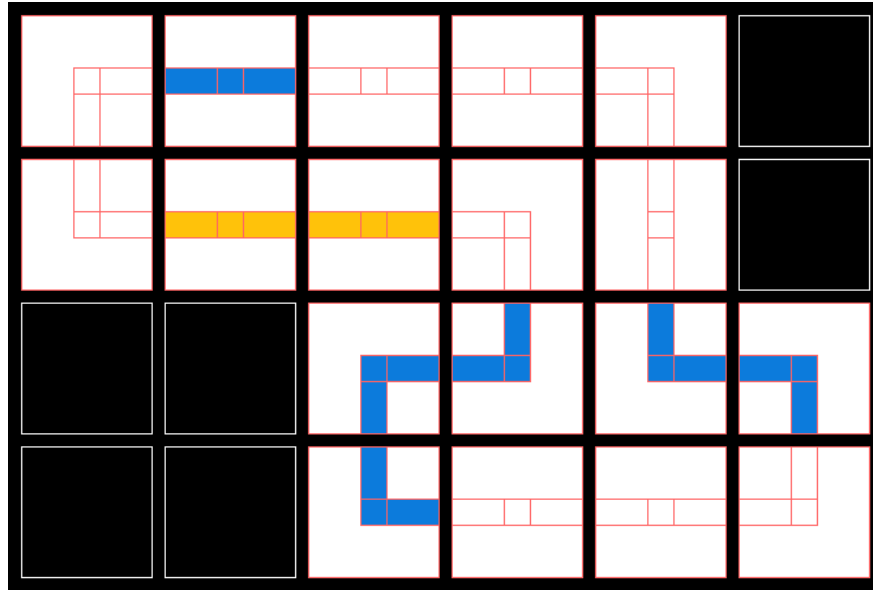
Figure 86: 2-3-S+1

Move	New State	Result
A1	1-3-S+1	Loss
A1,B1	3-S+1	Loss
A3	2-3-S	Win
A3,A4	2-3-L	Loss
A3,A4,A5	2-2-3	Loss
A4,B4	1-2-2-3	Loss
A5,B5	2-3-L	Loss
B1	1-3-S+1	Loss
B4	2-3-L3x	Loss
B4,B5	2-3-3	Loss
B5	2-3-T	Loss
D4	2-2-S+1	Win
D4,D5	1-2-S+1	Loss
D4,D5,D6	2-S+1	Loss
D5	1-1-2-S+1	Loss
D5,D6	1-2-S+1	Loss
D6	2-2-S+1	Win

2-4-L3x
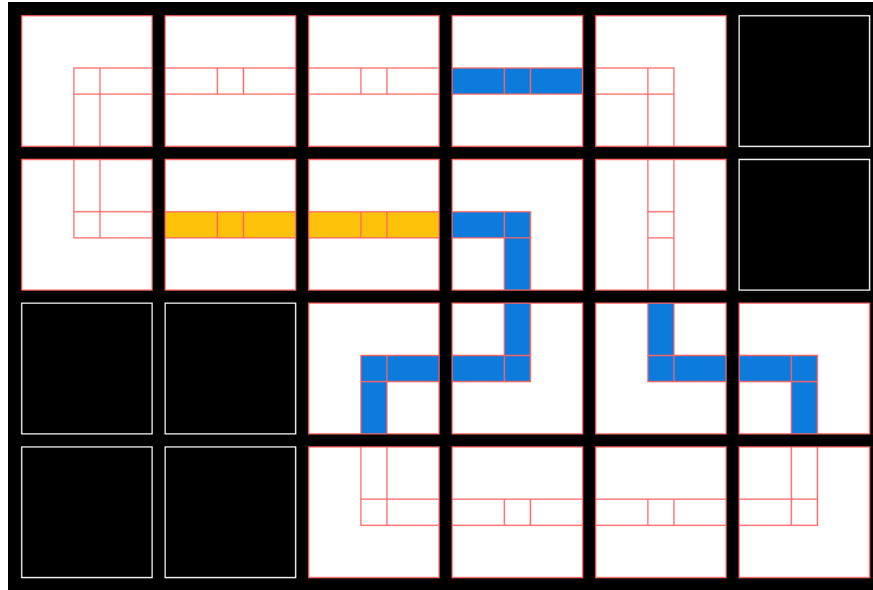
Figure 87: 2-4-L3x

Move	New State	Result
A1,A2	1-1-2-4	Loss
A1,A2,A3	1-2-4	Loss
A1,B1	2-2-4	Loss
A2	1-2-2-4	Loss
A2,A3	2-2-4	Loss
A3	2-4-Lx	Loss
A5	1-4-L3x	Loss
A5,B5	4-L3x	Win
B1	2-3-4	Loss
B5	1-4-L3x	Loss
D3	2-3-L3x	Loss
D3,D4	2-2-L3x	Loss
D3,D4,D5	1-2-L3x	Loss
D4	1-2-2-L3x	Loss
D4,D5	1-1-2-L3x	Loss
D4,D5,D6	1-2-L3x	Loss
D5	1-2-2-L3x	Loss
D5,D6	2-2-L3x	Loss
D6	2-3-L3x	Loss

2-4-S
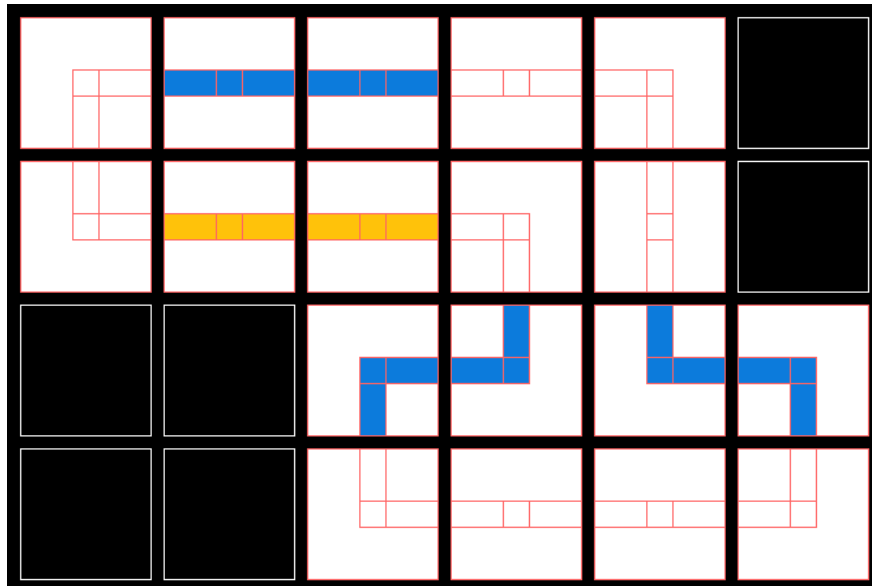
Figure 88: 2-4-S

Move	New State	Result
A1	1-4-S	Loss
A1,B1	4-S	Loss
A4	2-4-L	Loss
A4,A5	2-2-4	Loss
A4,B4	2-2-4	Loss
A5,B5	2-2-4	Loss
B1	1-4-S	Loss
B4	2-4-Lx	Loss
B4,B5	2-2-4	Loss
B5	2-4-L	Loss
D3	2-3-S	Win
D3,D4	2-2-S	Loss
D3,D4,D5	1-2-S	Loss
D4	1-2-2-S	Win
D4,D5	1-1-2-S	Loss
D4,D5,D6	1-2-S	Loss
D5	1-2-2-S	Win
D5,D6	2-2-S	Loss
D6	2-3-S	Win

2-4-T
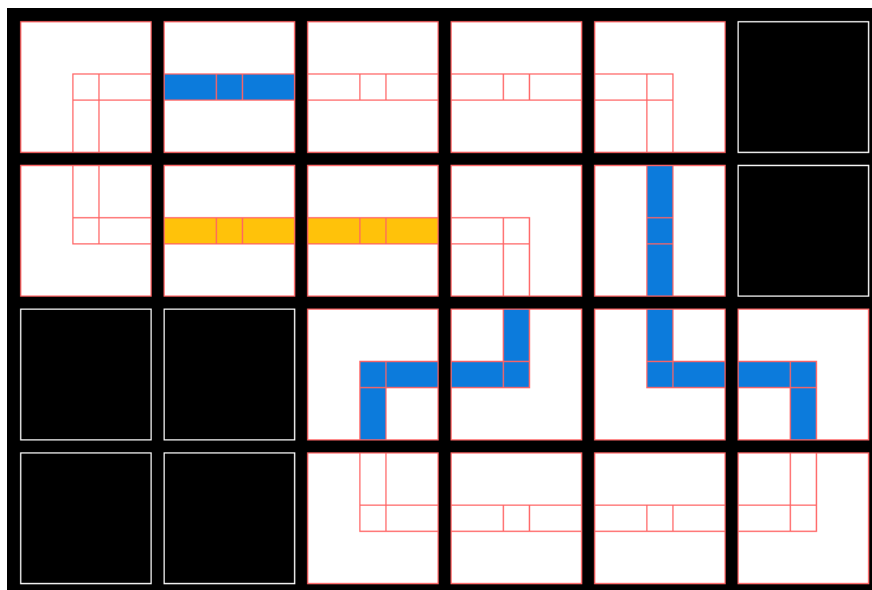
Figure 89: 2-4-T

Move	New State	Result
A1	1-4-T	Loss
A1,B1	4-T	Loss
A3	2-4-L	Loss
A3,A4	1-1-2-4	Loss
A3,A4,A5	1-2-4	Loss
A4,A5	1-1-2-4	Loss
A4,B4	1-1-2-4	Loss
A5	2-4-L	Loss
B1	1-4-T	Loss
B4	2-3-4	Loss
D3	2-3-T	Loss
D3,D4	2-2-T	Loss
D3,D4,D5	1-2-T	Loss
D4	1-2-2-T	Loss
D4,D5	1-1-2-T	Win
D4,D5,D6	1-2-T	Loss
D5	1-2-2-T	Loss
D5,D6	2-2-T	Loss
D6	2-3-T	Loss

2-L-L4x
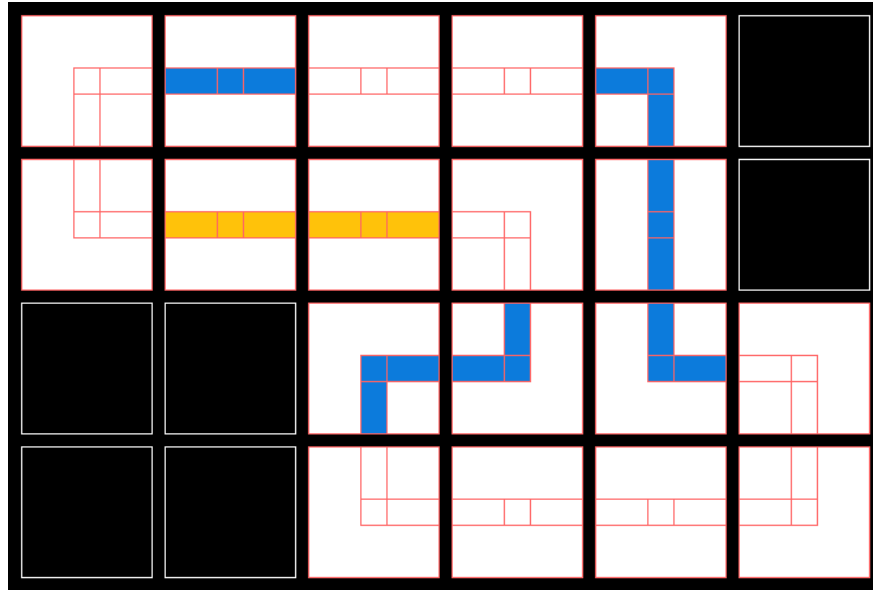
Figure 90: 2-L-L4x

Move	New State	Result
A1	1-L-L4x	Loss
A1,B1	L-L4x	Loss
A3	2-2-L4x	Loss
A3,A4	1-2-L4x	Loss
A4	1-1-2-L4x	Loss
A4,B4	1-2-L4x	Loss
B1	1-L-L4x	Loss
B4	2-2-L4x	Loss
C6	2-4-L	Loss
C6,D6	2-3-L	Loss
D3	2-L-L3x	Loss
D3,D4	2-L-Lx	Loss
D3,D4,D5	2-2-L	Loss
D4	1-2-L-Lx	Win
D4,D5	1-2-2-L	Loss
D4,D5,D6	1-1-2-L	Loss
D5	2-2-2-L	Loss
D5,D6	1-2-2-L	Loss

2-L3x-L3x
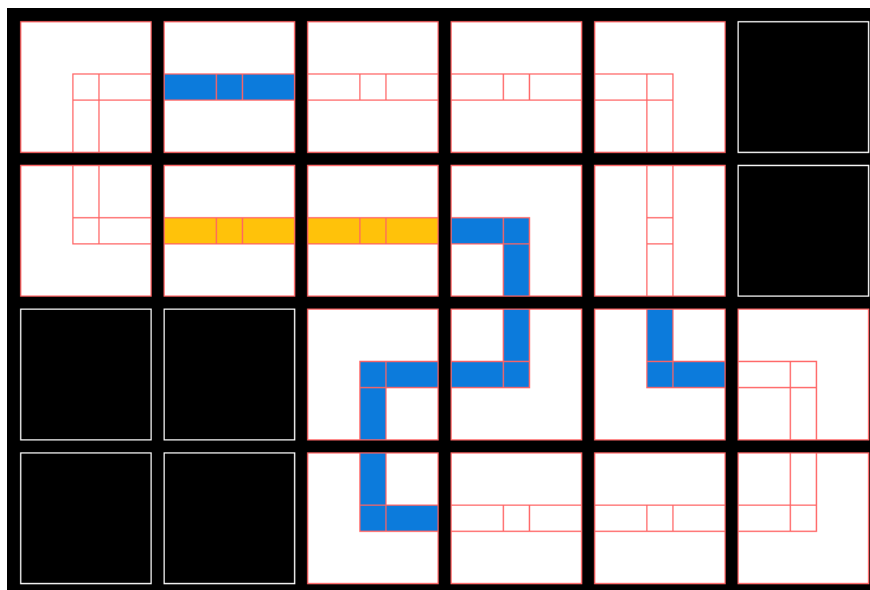
Figure 91: 2-L3x-L3x

Move	New State	Result
A1	1-L3x-L3x	Loss
A1,B1	L3x-L3x	Win
A3	2-L3x-Lx	Loss
A3,A4	2-2-L3x	Loss
A3,A4,A5	1-2-L3x	Loss
A4	1-2-2-L3x	Loss
A4,A5	1-1-2-L3x	Loss
A5,B5	2-2-L3x	Loss
B1	1-L3x-L3x	Loss
B5	2-3-L3x	Loss
C6	2-3-L3x	Loss
C6,D6	2-2-L3x	Loss
D4	2-L3x-Lx	Loss
D4,D5	2-2-L3x	Loss
D4,D5,D6	1-2-L3x	Loss
D5	1-2-2-L3x	Loss
D5,D6	1-1-2-L3x	Loss

2-L3x-S
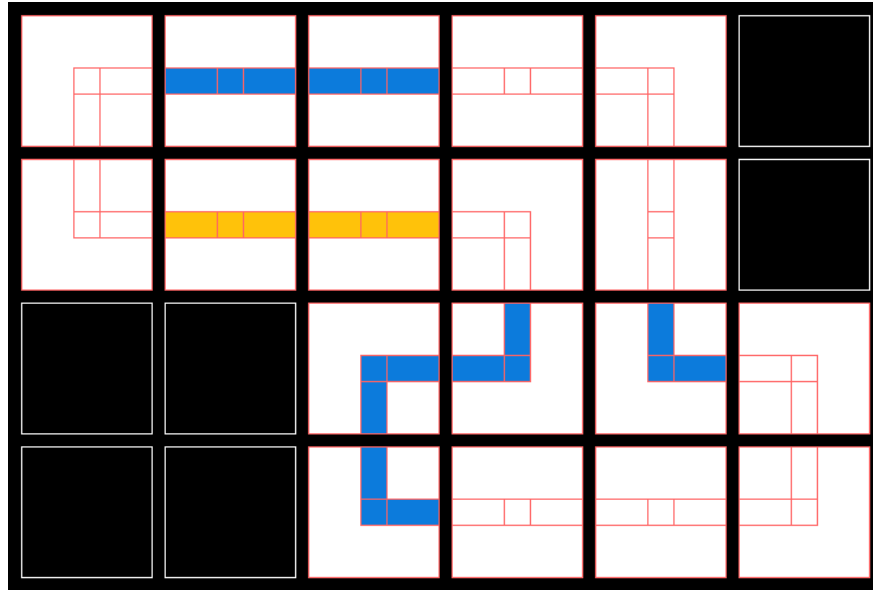
Figure 92: 2-L3x-S

Move	New State	Result
A1	1-L3x-S	Loss
A1,B1	L3x-S	Loss
A4	2-L-L3x	Loss
A4,A5	2-2-L3x	Loss
A4,B4	2-2-L3x	Loss
A5,B5	2-2-L3x	Loss
B1	1-L3x-S	Loss
B4	2-L3x-Lx	Loss
B4,B5	2-2-L3x	Loss
B5	2-L-L3x	Loss
C6	2-3-S	Win
C6,D6	2-2-S	Loss
D4	2-Lx-S	Loss
D4,D5	2-2-S	Loss
D4,D5,D6	1-2-S	Loss
D5	1-2-2-S	Win
D5,D6	1-1-2-S	Loss

2-L3x-T
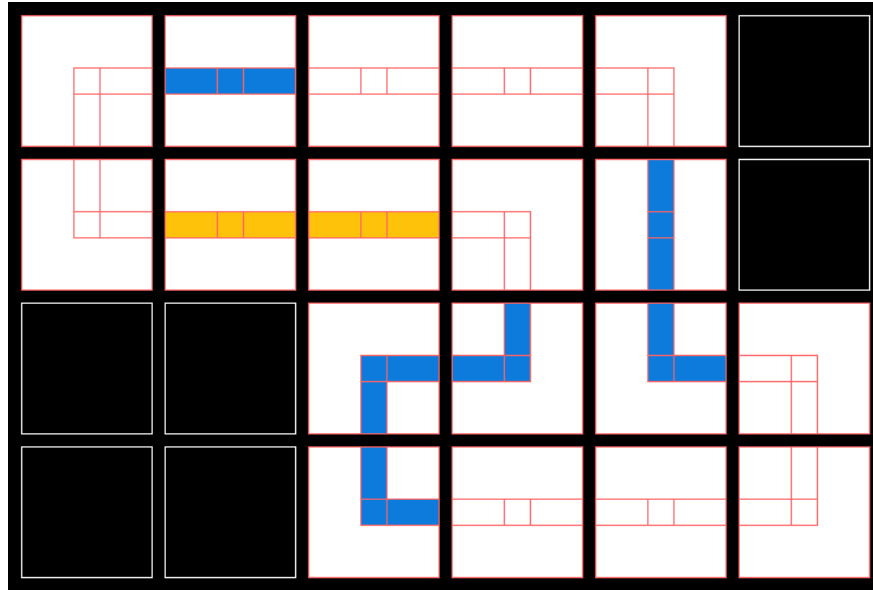
Figure 93: 2-L3x-T

Move	New State	Result
A1	1-L3x-T	Loss
A1,B1	L3x-T	Loss
A3	2-L-L3x	Loss
A3,A4	1-1-2-L3x	Loss
A3,A4,A5	1-2-L3x	Loss
A4,A5	1-1-2-L3x	Loss
A4,B4	1-1-2-L3x	Loss
A5	2-L-L3x	Loss
B1	1-L3x-T	Loss
B4	2-3-L3x	Loss
C6	2-3-T	Loss
C6,D6	2-2-T	Loss
D4	2-Lx-T	Win
D4,D5	2-2-T	Loss
D4,D5,D6	1-2-T	Loss
D5	1-2-2-T	Loss
D5,D6	1-1-2-T	Win

2-L4x-Lx
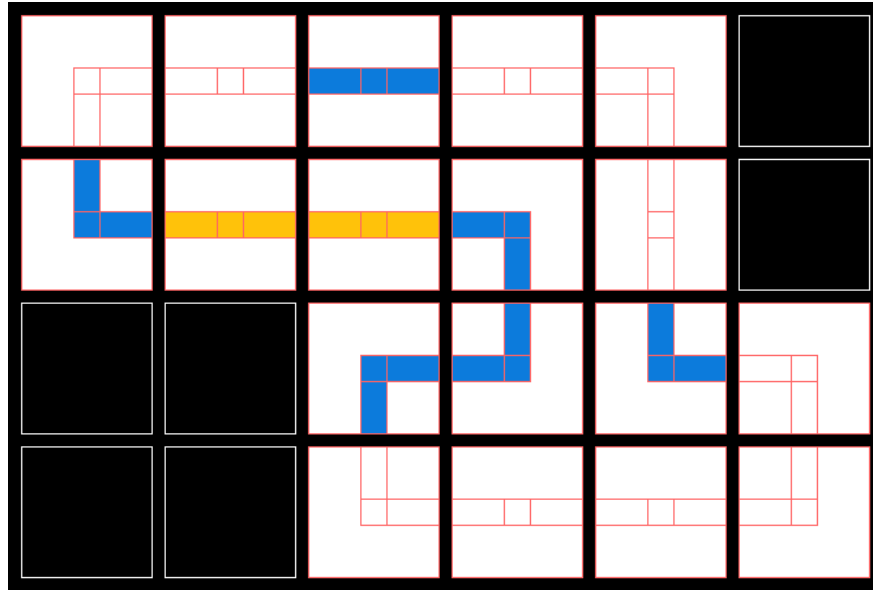
Figure 94: 2-L4x-Lx

Move	New State	Result
A1	1-L4x-Lx	Loss
A1,A2	L4x-Lx	Loss
A2	1-L4x-Lx	Loss
A4	2-2-L4x	Loss
A4,A5	1-2-L4x	Loss
A5,B5	1-2-L4x	Loss
B5	2-2-L4x	Loss
C6	2-4-Lx	Loss
C6,D6	2-3-Lx	Loss
D3	2-L3x-Lx	Loss
D3,D4	2-Lx-Lx	Loss
D3,D4,D5	2-2-Lx	Win
D4	1-2-Lx-Lx	Loss
D4,D5	1-2-2-Lx	Loss
D4,D5,D6	1-1-2-Lx	Loss
D5	2-2-2-Lx	Loss
D5,D6	1-2-2-Lx	Loss

2-Lx-S+1
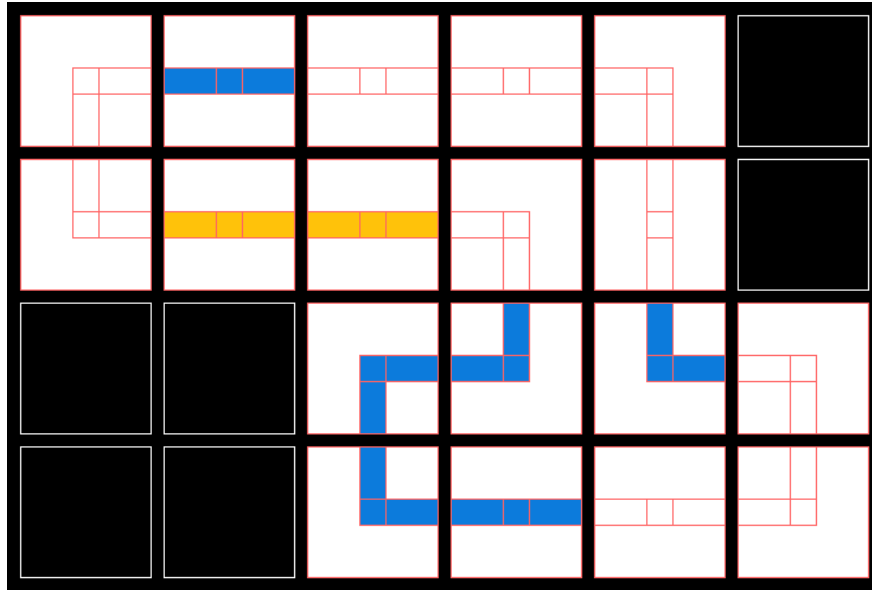
Figure 95: 2-Lx-S+1

Move	New State	Result
A1	1-Lx-S+1	Loss
A1,B1	Lx-S+1	Win
A3	2-Lx-S	Loss
A3,A4	2-L-Lx	Loss
A3,A4,A5	2-2-Lx	Win
A4,B4	1-2-2-Lx	Loss
A5,B5	2-L-Lx	Loss
B1	1-Lx-S+1	Loss
B4	2-L3x-Lx	Loss
B4,B5	2-3-Lx	Loss
B5	2-Lx-T	Win
C6	2-2-S+1	Win
C6,D6	1-2-S+1	Loss
D5	2-2-S+1	Win
D5,D6	1-2-S+1	Loss

2-S+L3x
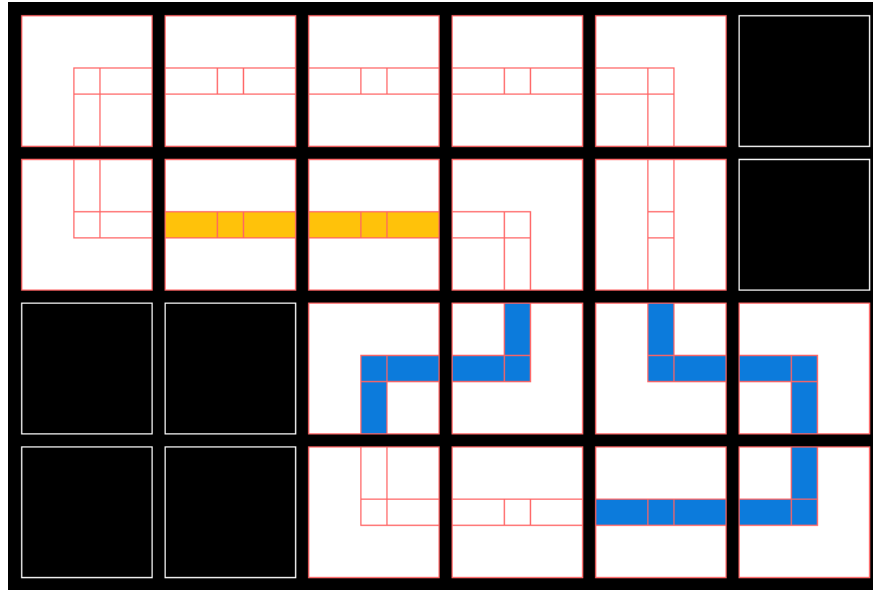
Figure 96: 2-S+L3x

Move	New State	Result
A1,A2	1-2-S+1	Loss
A1,A2,A3	1-2-S	Loss
A1,B1	2-S+2	Loss
A2	2-2-S+1	Win
A2,A3	2-2-S	Loss
A2,A3,A4	2-2-L	Loss
A3	2-Lx-S	Loss
A3,A4	2-L-Lx	Loss
A3,A4,A5	2-2-Lx	Win
A4,B4	2-2-L3x	Loss
A5,B5	2-C4	Loss
B1	2-S+3	Loss
B4	2-C5	Loss
B4,B5	2-L5x	Loss
B5	2-C4+1	Loss
D3	1-S+L3x	Loss
D3,D4	S+L3x	Loss
D4	1-S+L3x	Loss

3-C4+1
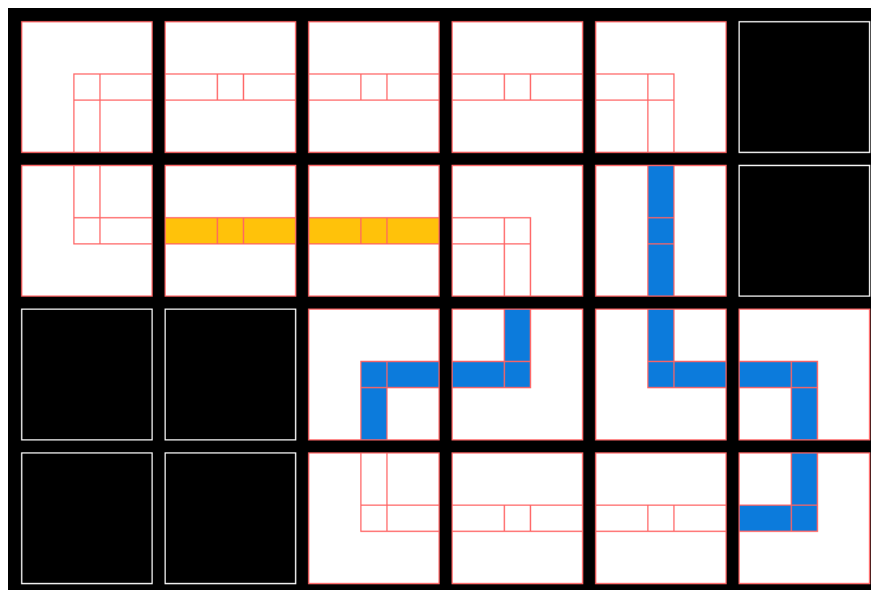
Figure 97: 3-C4+1

Move	New State	Result
A1,A2	1-3-T	Win
A1,A2,A3	1-3-L	Loss
A1,B1	3-T4	Loss
A2	2-3-T	Loss
A2,A3	2-3-L	Loss
A2,A3,A4	1-1-2-3	Loss
A3	3-L-Lx	Win
A3,A4	1-1-3-Lx	Loss
A3,A4,A5	1-3-Lx	Loss
A4,A5	1-3-L3x	Loss
A4,B4	1-3-L3x	Loss
A5	3-C4	Loss
B1	3-T5	Loss
B4	3-L5x	Loss
D3	2-C4+1	Loss
D3,D4	1-C4+1	Loss
D3,D4,D5	C4+1	Loss
D4	1-1-C4+1	Loss
D4,D5	1-C4+1	Loss
D5	2-C4+1	Loss

3-C5
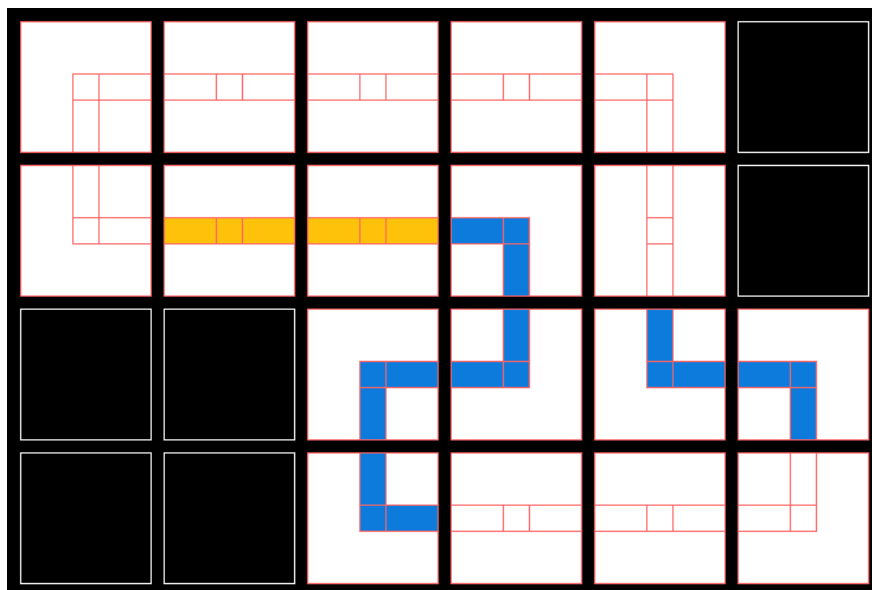
Figure 98: 3-C5

Move	New State	Result
A1,A2	1-3-L3x	Loss
A1,A2,A3	1-3-Lx	Loss
A1,B1	3-L4x	Loss
A2	2-3-L3x	Loss
A2,A3	2-3-Lx	Loss
A2,A3,A4	2-2-3	Loss
A3	3-Lx-Lx	Loss
A3,A4	2-3-Lx	Loss
A3,A4,A5	1-3-Lx	Loss
A4	2-3-L3x	Loss
A4,A5	1-3-L3x	Loss
A5,B5	3-L4x	Loss
B1	3-L5x	Loss
B5	3-L5x	Loss
D4	2-C5	Loss
D4,D5	1-C5	Loss
D4,D5,D6	C5	Loss
D5	1-1-C5	Loss
D5,D6	1-C5	Loss
D6	2-C5	Loss

3-Lx-S
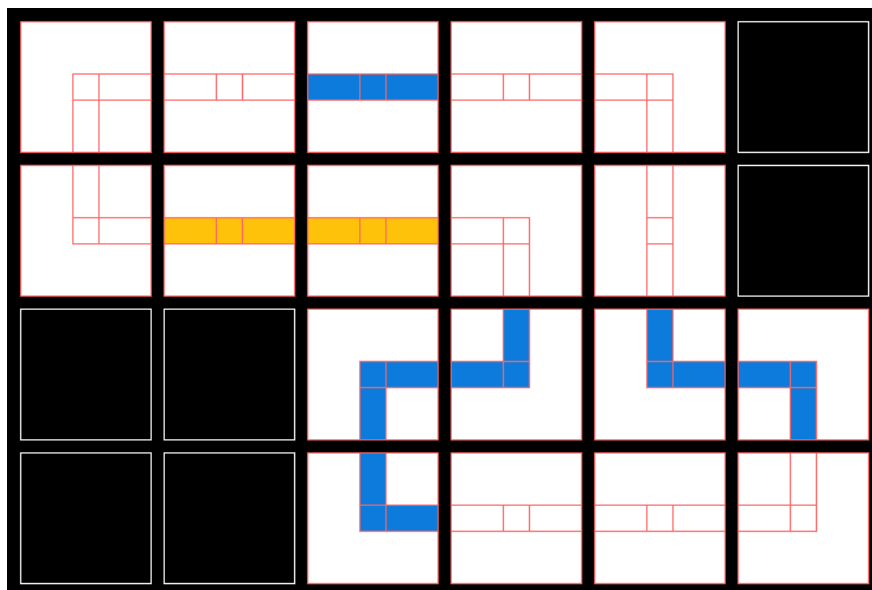
Figure 99: 3-Lx-S

Move	New State	Result
A1,A2	1-3-S	Loss
A1,B1	1-3-S	Loss
A2	2-3-S	Win
A4	3-L-Lx	Win
A4,A5	2-3-Lx	Loss
A4,B4	2-3-Lx	Loss
A5,B5	2-3-Lx	Loss
B1	2-3-S	Win
B4	3-Lx-Lx	Loss
B4,B5	2-3-Lx	Loss
B5	3-L-Lx	Win
D4	2-Lx-S	Loss
D4,D5	1-Lx-S	Win
D4,D5,D6	Lx-S	Loss
D5	1-1-Lx-S	Loss
D5,D6	1-Lx-S	Win
D6	2-Lx-S	Loss

3-S+3
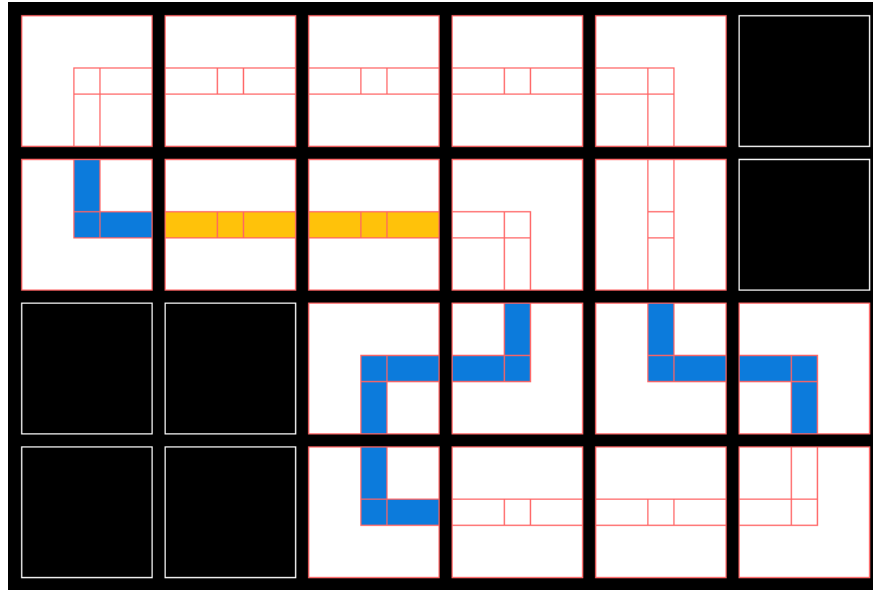
Figure 100: 3-S+3

Move	New State	Result
A1	3-S+2	Loss
A1,A2	3-S+1	Loss
A1,A2,A3	3-S	Loss
A2	1-3-S+1	Loss
A2,A3	1-3-S	Loss
A2,A3,A4	1-3-L	Loss
A3	2-3-S	Win
A3,A4	2-3-L	Loss
A3,A4,A5	2-2-3	Loss
A4,B4	2-3-3	Loss
A5,B5	3-L4	Loss
B4	3-L5x	Loss
B4,B5	3-5	Loss
B5	3-T5	Loss
D4	2-S+3	Loss
D4,D5	1-S+3	Loss
D4,D5,D6	S+3	Loss
D5	1-1-S+3	Loss
D5,D6	1-S+3	Loss
D6	2-S+3	Loss

4-C4
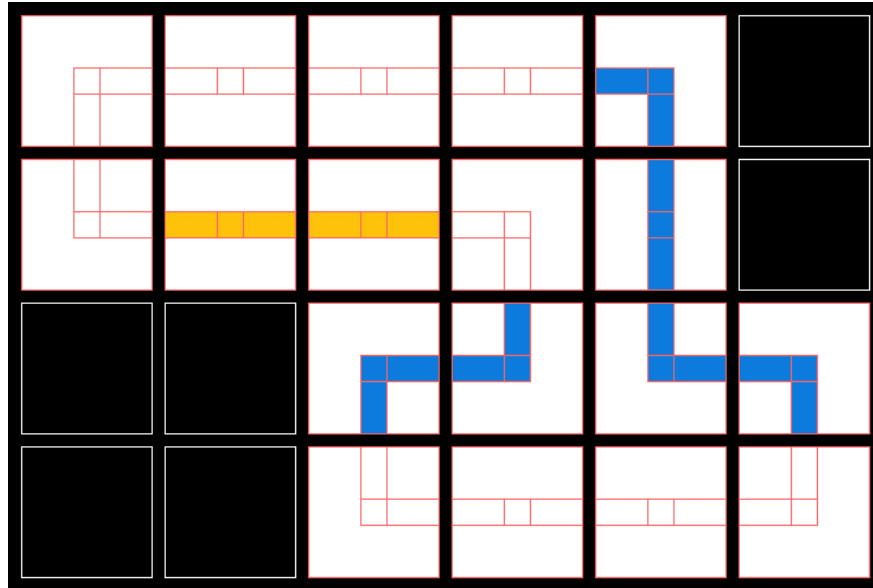
Figure 101: 4-C4

Move	New State	Result
A1,A2	1-4-L	Loss
A1,A2,A3	1-2-4	Loss
A1,B1	4-L3	Win
A2	2-4-L	Loss
A2,A3	2-2-4	Loss
A2,A3,A4	1-2-4	Loss
A3	2-4-Lx	Loss
A3,A4	1-4-Lx	Loss
A4	1-4-L3x	Loss
A4,B4	4-L3x	Win
B1	4-L4	Loss
B4	4-L4x	Loss
D3	3-C4	Loss
D3,D4	2-C4	Loss
D3,D4,D5	1-C4	Loss
D4	1-2-C4	Loss
D4,D5	1-1-C4	Loss
D4,D5,D6	1-C4	Loss
D5	1-2-C4	Loss
D5,D6	2-C4	Loss
D6	3-C4	Loss

4-L-Lx
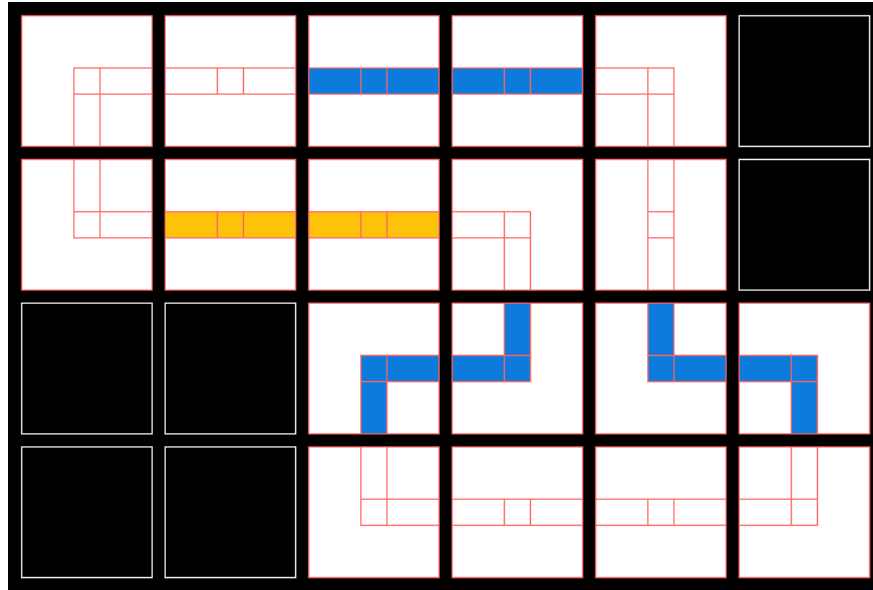
Figure 102: 4-L-Lx

Move	New State	Result
A1,A2	1-4-L	Loss
A1,B1	1-4-L	Loss
A2	2-4-L	Loss
A5	2-4-Lx	Loss
A5,B5	1-4-Lx	Loss
B1	2-4-L	Loss
B4	2-4-Lx	Loss
B4,B5	1-4-Lx	Loss
B5	1-1-4-Lx	Loss
D3	3-L-Lx	Win
D3,D4	2-L-Lx	Loss
D3,D4,D5	1-L-Lx	Loss
D4	1-2-L-Lx	Win
D4,D5	1-1-L-Lx	Loss
D4,D5,D6	1-L-Lx	Loss
D5	1-2-L-Lx	Win
D5,D6	2-L-Lx	Loss
D6	3-L-Lx	Win

4-L5x
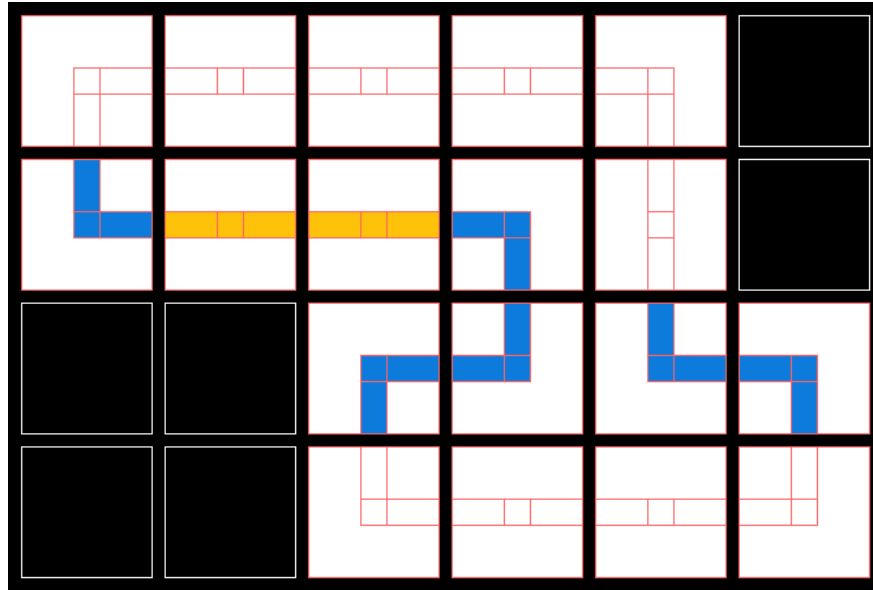
Figure 103: 4-L5x

Move	New State	Result
A1	4-L4x	Loss
A1,A2	4-L3x	Win
A1,A2,A3	4-Lx	Loss
A2	1-4-L3x	Loss
A2,A3	1-4-Lx	Loss
A2,A3,A4	1-2-4	Loss
A3	2-4-Lx	Loss
A3,A4	2-2-4	Loss
A3,A4,A5	1-2-4	Loss
A4	2-3-4	Loss
A4,A5	1-3-4	Loss
A5,B5	4-4	Win
B5	4-5	Loss
D3	3-L5x	Loss
D3,D4	2-L5x	Loss
D3,D4,D5	1-L5x	Loss
D4	1-2-L5x	Loss
D4,D5	1-1-L5x	Loss
D4,D5,D6	1-L5x	Loss
D5	1-2-L5x	Loss
D5,D6	2-L5x	Loss
D6	3-L5x	Loss

4-Lx-Lx
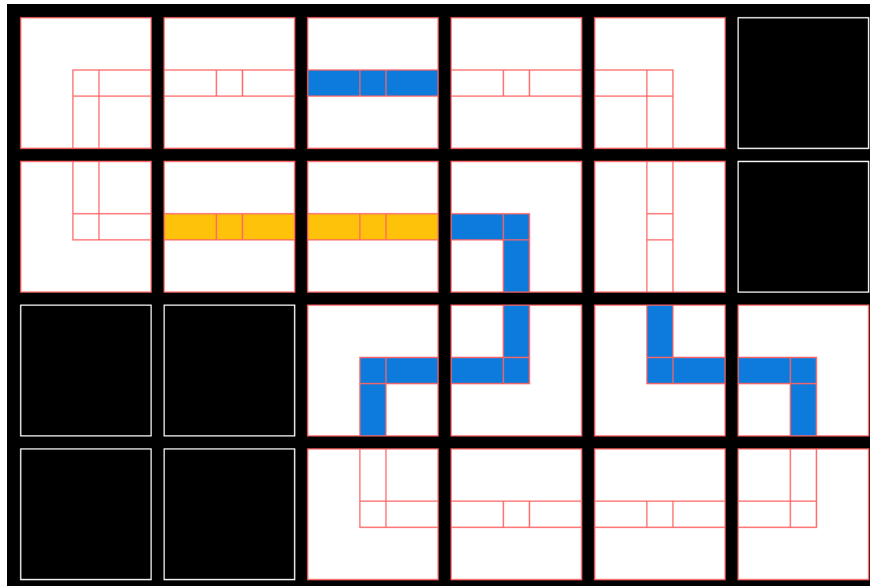
Figure 104: 4-Lx-Lx

Move	New State	Result
A1,A2	1-4-Lx	Loss
A1,B1	1-4-Lx	Loss
A2	2-4-Lx	Loss
A4	2-4-Lx	Loss
A4,A5	1-4-Lx	Loss
A5,B5	1-4-Lx	Loss
B1	2-4-Lx	Loss
B5	2-4-Lx	Loss
D3	3-Lx-Lx	Loss
D3,D4	2-Lx-Lx	Loss
D3,D4,D5	1-Lx-Lx	Loss
D4	1-2-Lx-Lx	Loss
D4,D5	1-1-Lx-Lx	Win
D4,D5,D6	1-Lx-Lx	Loss
D5	1-2-Lx-Lx	Loss
D5,D6	2-Lx-Lx	Loss
D6	3-Lx-Lx	Loss

4-S+2
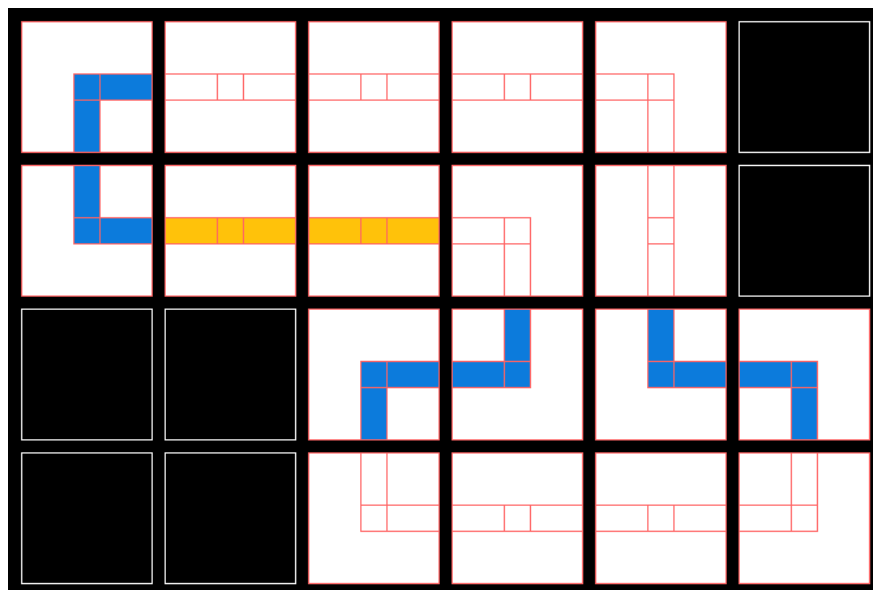
Figure 105: 4-S+2

Move	New State	Result
A2	4-S+1	Loss
A2,A3	4-S	Loss
A2,A3,A4	4-L	Loss
A3	1-4-S	Loss
A3,A4	1-4-L	Loss
A3,A4,A5	1-2-4	Loss
A4,B4	2-2-4	Loss
A5,B5	4-L3	Win
B4	4-L4x	Loss
B4,B5	4-4	Win
B5	4-T4	Loss
D3	3-S+2	Loss
D3,D4	2-S+2	Loss
D3,D4,D5	1-S+2	Loss
D4	1-2-S+2	Loss
D4,D5	1-1-S+2	Loss
D4,D5,D6	1-S+2	Loss
D5	1-2-S+2	Loss
D5,D6	2-S+2	Loss
D6	3-S+2	Loss

4-T5
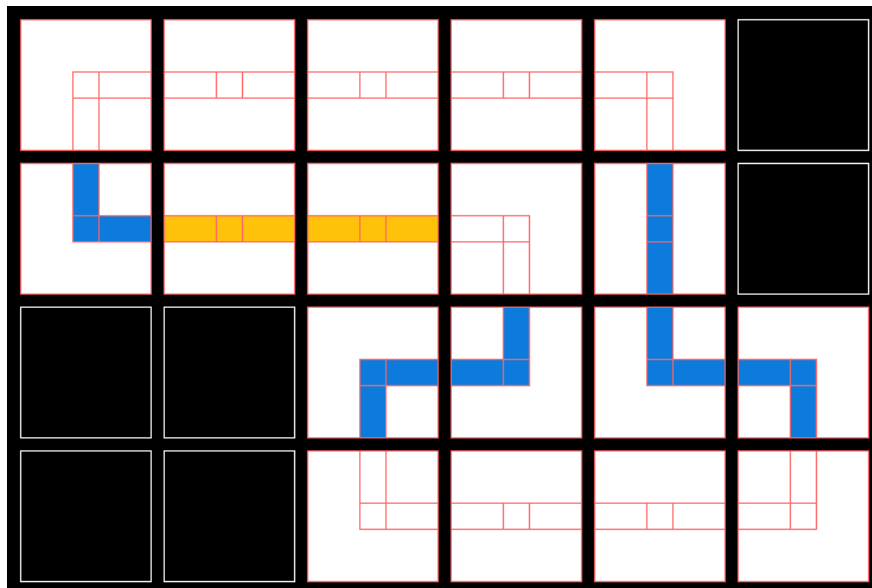
Figure 106: 4-T5

Move	New State	Result
A1	4-T4	Loss
A1,A2	4-T	Loss
A1,A2,A3	4-L	Loss
A2	1-4-T	Loss
A2,A3	1-4-L	Loss
A2,A3,A4	1-1-1-4	Loss
A3	2-4-L	Loss
A3,A4	1-1-2-4	Loss
A3,A4,A5	1-2-4	Loss
A4,A5	1-3-4	Loss
A4,B4	1-3-4	Loss
A5	4-L4	Loss
B4	4-5	Loss
D3	3-T5	Loss
D3,D4	2-T5	Loss
D3,D4,D5	1-T5	Loss
D4	1-2-T5	Loss
D4,D5	1-1-T5	Win
D4,D5,D6	1-T5	Loss
D5	1-2-T5	Loss
D5,D6	2-T5	Loss
D6	3-T5	Loss

5-L4x
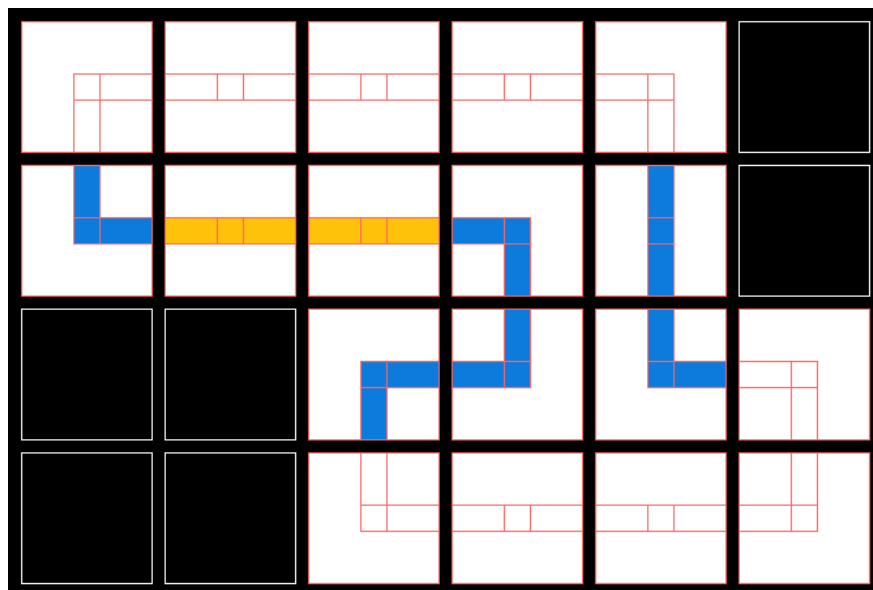
Figure 107: 5-L4x

Move	New State	Result
A1	4-L4x	Loss
A1,A2	3-L4x	Loss
A1,A2,A3	2-L4x	Loss
A2	1-3-L4x	Loss
A2,A3	1-2-L4x	Loss
A2,A3,A4	1-1-L4x	Loss
A3	2-2-L4x	Loss
A3,A4	1-2-L4x	Loss
A3,A4,A5	2-L4x	Loss
A4	1-3-L4x	Loss
A4,A5	3-L4x	Loss
A5	4-L4x	Loss
C6	4-5	Loss
C6,D6	3-5	Loss
D3	5-L3x	Loss
D3,D4	5-Lx	Loss
D3,D4,D5	2-5	Loss
D4	1-5-Lx	Win
D4,D5	1-2-5	Loss
D4,D5,D6	1-1-5	Loss
D5	2-2-5	Loss
D5,D6	1-2-5	Loss

C4+1-Lx
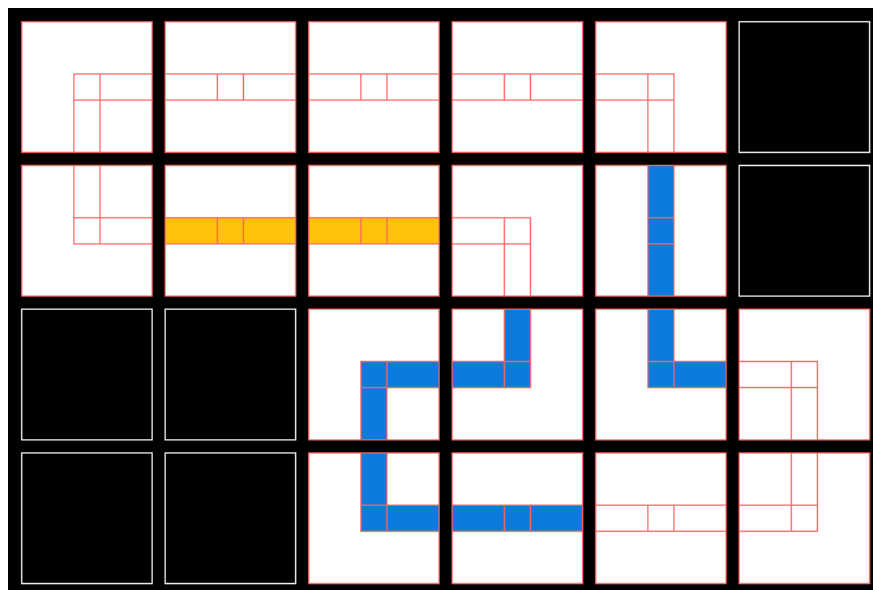
Figure 108: C4+1-Lx

Move	New State	Result
A1,A2	1-Lx-T	Loss
A1,A2,A3	1-L-Lx	Loss
A1,B1	Lx-T4	Loss
A2	2-Lx-T	Win
A2,A3	2-L-Lx	Loss
A2,A3,A4	1-1-2-Lx	Loss
A3	L-Lx-Lx	Loss
A3,A4	1-1-Lx-Lx	Win
A3,A4,A5	1-Lx-Lx	Loss
A4,A5	1-L3x-Lx	Loss
A4,B4	1-L3x-Lx	Loss
A5	C4-Lx	Loss
B1	Lx-T5	Win
B4	L5x-Lx	Loss
C6	2-C4+1	Loss
C6,D6	1-C4+1	Loss
D5	2-C4+1	Loss
D5,D6	1-C4+1	Loss

C4-L3x
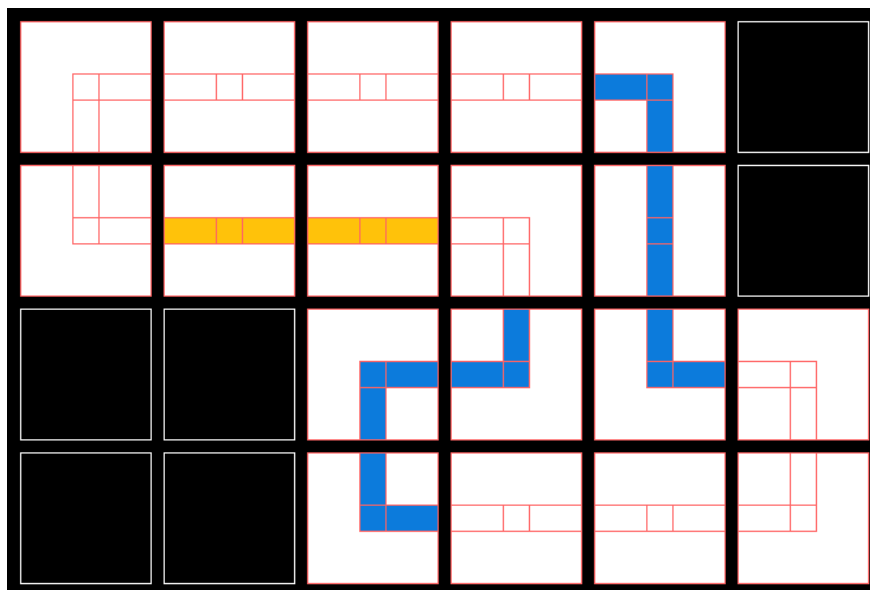
Figure 109: C4-L3x

Move	New State	Result
A1,A2	1-L-L3x	Loss
A1,A2,A3	1-2-L3x	Loss
A1,B1	L3-L3x	Win
A2	2-L-L3x	Loss
A2,A3	2-2-L3x	Loss
A2,A3,A4	1-2-L3x	Loss
A3	2-L3x-Lx	Loss
A3,A4	1-L3x-Lx	Loss
A4	1-L3x-L3x	Loss
A4,B4	L3x-L3x	Win
B1	L3x-L4	Loss
B4	L3x-L4x	Loss
C6	3-C4	Loss
C6,D6	2-C4	Loss
D4	C4-Lx	Loss
D4,D5	2-C4	Loss
D4,D5,D6	1-C4	Loss
D5	1-2-C4	Loss
D5,D6	1-1-C4	Loss

C5-Lx
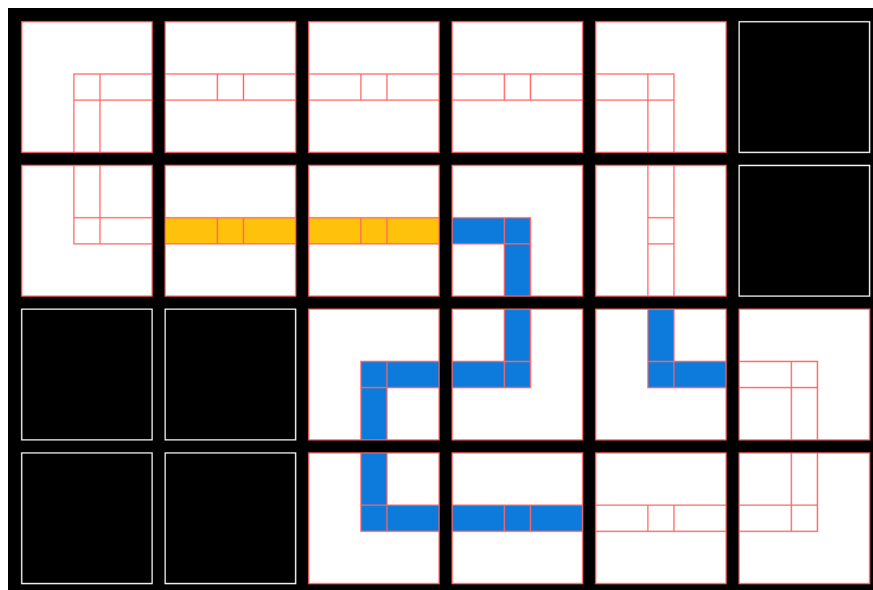
Figure 110: C5-Lx

Move	New State	Result
A1,A2	1-L3x-Lx	Loss
A1,A2,A3	1-Lx-Lx	Loss
A1,B1	L4x-Lx	Loss
A2	2-L3x-Lx	Loss
A2,A3	2-Lx-Lx	Loss
A2,A3,A4	2-2-Lx	Win
A3	Lx-Lx-Lx	Win
A3,A4	2-Lx-Lx	Loss
A3,A4,A5	1-Lx-Lx	Loss
A4	2-L3x-Lx	Loss
A4,A5	1-L3x-Lx	Loss
A5,B5	L4x-Lx	Loss
B1	L5x-Lx	Loss
B5	L5x-Lx	Loss
C6	2-C5	Loss
C6,D6	1-C5	Loss
D5	2-C5	Loss
D5,D6	1-C5	Loss

L-L3x-Lx
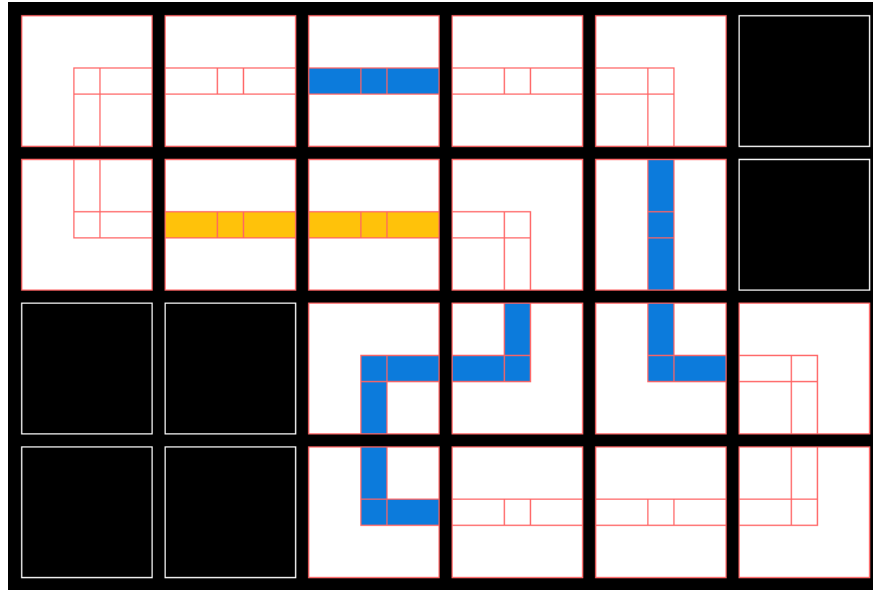
Figure 111: L-L3x-Lx

Move	New State	Result
A1,A2	1-L-L3x	Loss
A1,B1	1-L-L3x	Loss
A2	2-L-L3x	Loss
A4	1-1-L3x-Lx	Loss
A4,A5	1-L3x-Lx	Loss
A4,B4	1-L3x-Lx	Loss
A5	2-L3x-Lx	Loss
B1	2-L-L3x	Loss
B4	2-L3x-Lx	Loss
C6	3-L-Lx	Win
C6,D6	2-L-Lx	Loss
D4	L-Lx-Lx	Loss
D4,D5	2-L-Lx	Loss
D4,D5,D6	1-L-Lx	Loss
D5	1-2-L-Lx	Win
D5,D6	1-1-L-Lx	Loss

L3x-L5x
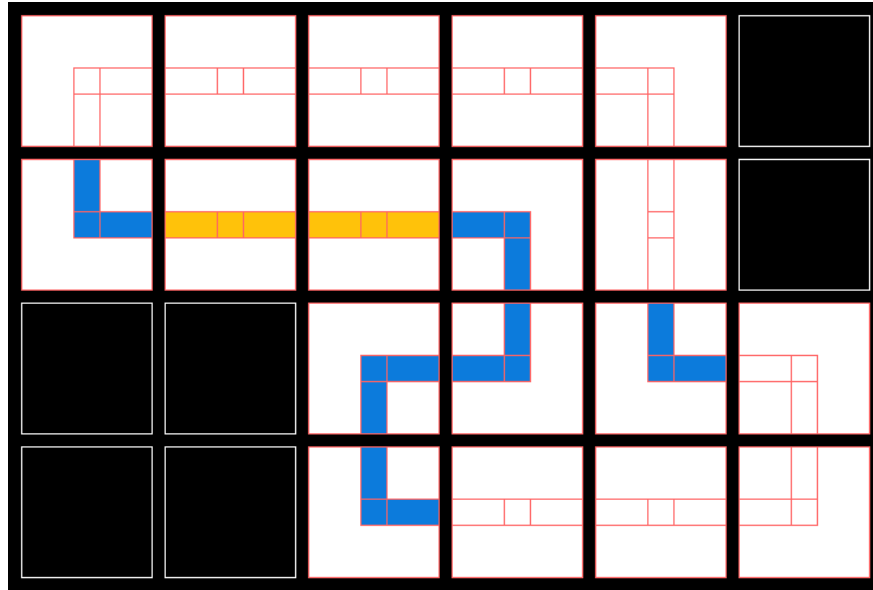
Figure 112: L3x-L5x

Move	New State	Result
A1	L3x-L4x	Loss
A1,A2	L3x-L3x	Win
A1,A2,A3	L3x-Lx	Loss
A2	1-L3x-L3x	Loss
A2,A3	1-L3x-Lx	Loss
A2,A3,A4	1-2-L3x	Loss
A3	2-L3x-Lx	Loss
A3,A4	2-2-L3x	Loss
A3,A4,A5	1-2-L3x	Loss
A4	2-3-L3x	Loss
A4,A5	1-3-L3x	Loss
A5,B5	4-L3x	Win
B5	5-L3x	Loss
C6	3-L5x	Loss
C6,D6	2-L5x	Loss
D4	L5x-Lx	Loss
D4,D5	2-L5x	Loss
D4,D5,D6	1-L5x	Loss
D5	1-2-L5x	Loss
D5,D6	1-1-L5x	Loss

L3x-Lx-Lx
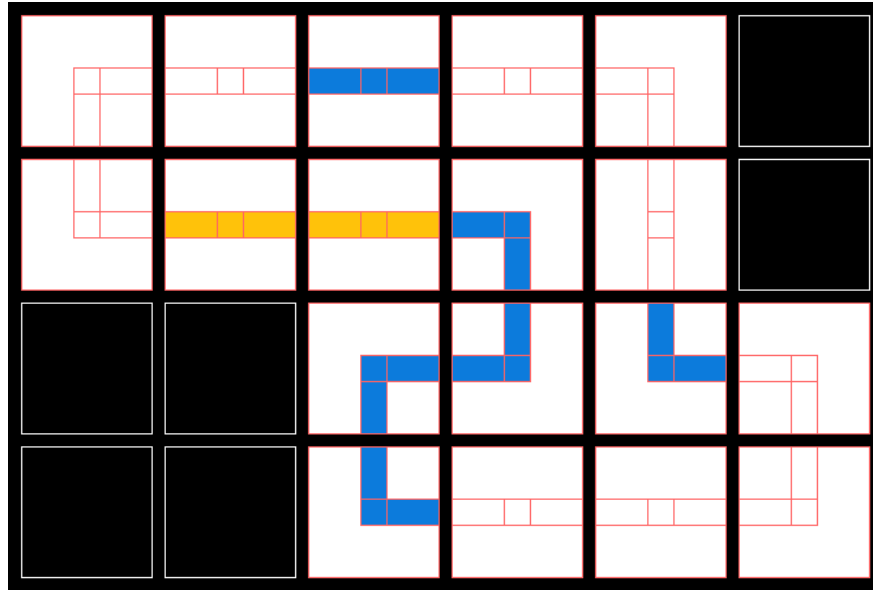
Figure 113: L3x-Lx-Lx

Move	New State	Result
A1,A2	1-L3x-Lx	Loss
A1,B1	1-L3x-Lx	Loss
A2	2-L3x-Lx	Loss
A4	2-L3x-Lx	Loss
A4,A5	1-L3x-Lx	Loss
A5,B5	1-L3x-Lx	Loss
B1	2-L3x-Lx	Loss
B5	2-L3x-Lx	Loss
C6	3-Lx-Lx	Loss
C6,D6	2-Lx-Lx	Loss
D4	Lx-Lx-Lx	Win
D4,D5	2-Lx-Lx	Loss
D4,D5,D6	1-Lx-Lx	Loss
D5	1-2-Lx-Lx	Loss
D5,D6	1-1-Lx-Lx	Win

L3x-S+2
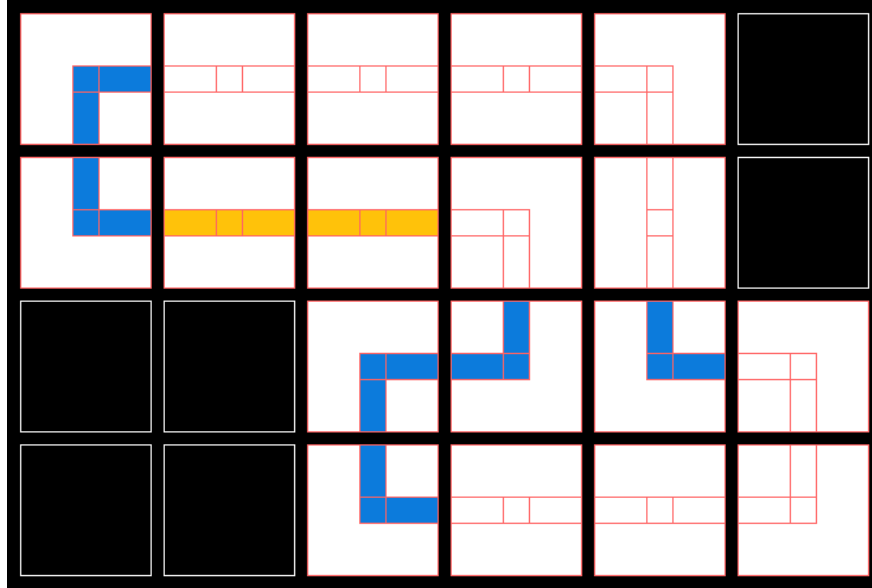
Figure 114: L3x-S+2

Move	New State	Result
A2	L3x-S+1	Loss
A2,A3	L3x-S	Loss
A2,A3,A4	L-L3x	Loss
A3	1-L3x-S	Loss
A3,A4	1-L-L3x	Loss
A3,A4,A5	1-2-L3x	Loss
A4,B4	2-2-L3x	Loss
A5,B5	L3-L3x	Win
B4	L3x-L4x	Loss
B4,B5	4-L3x	Win
B5	L3x-T4	Loss
C6	3-S+2	Loss
C6,D6	2-S+2	Loss
D4	Lx-S+2	Loss
D4,D5	2-S+2	Loss
D4,D5,D6	1-S+2	Loss
D5	1-2-S+2	Loss
D5,D6	1-1-S+2	Loss

L3x-T5
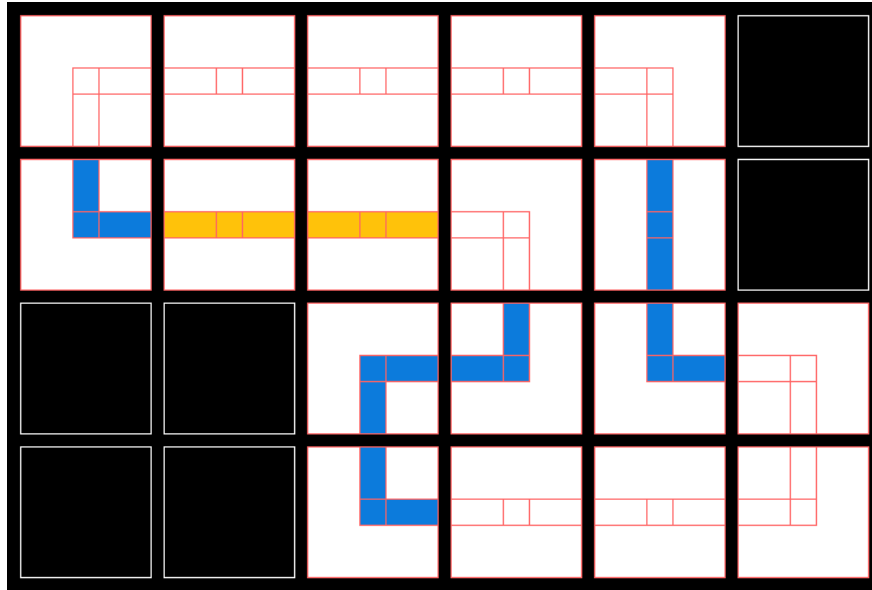
Figure 115: L3x-T5

Move	New State	Result
A1	L3x-T4	Loss
A1,A2	L3x-T	Loss
A1,A2,A3	L-L3x	Loss
A2	1-L3x-T	Loss
A2,A3	1-L-L3x	Loss
A2,A3,A4	1-1-1-L3x	Loss
A3	2-L-L3x	Loss
A3,A4	1-1-2-L3x	Loss
A3,A4,A5	1-2-L3x	Loss
A4,A5	1-3-L3x	Loss
A4,B4	1-3-L3x	Loss
A5	L3x-L4	Loss
B4	5-L3x	Loss
C6	3-T5	Loss
C6,D6	2-T5	Loss
D4	Lx-T5	Win
D4,D5	2-T5	Loss
D4,D5,D6	1-T5	Loss
D5	1-2-T5	Loss
D5,D6	1-1-T5	Win

113
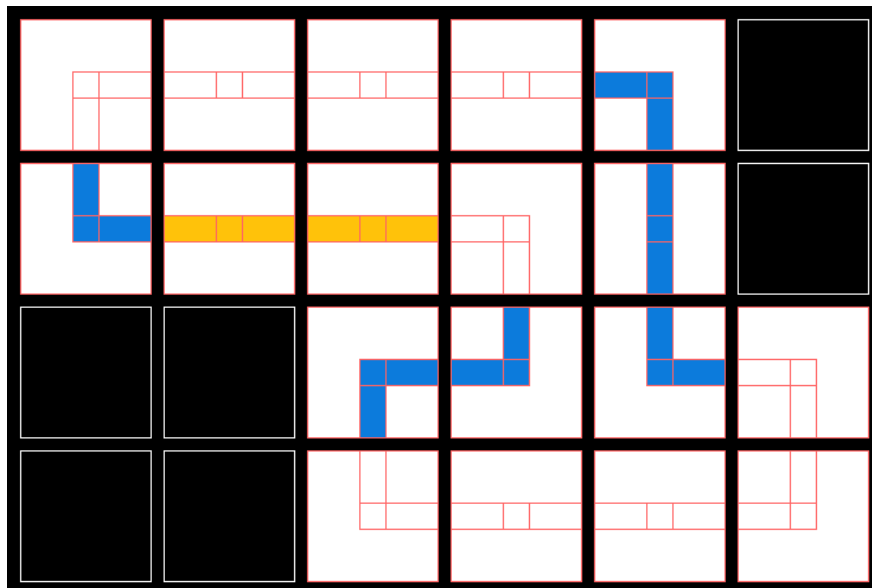
L4-L4x

Figure 116: L4-L4x

Move	New State	Result
A1	L3-L4x	Loss
A1,A2	L-L4x	Loss
A1,A2,A3	2-L4x	Loss
A2	1-L-L4x	Loss
A2,A3	1-2-L4x	Loss
A2,A3,A4	1-1-L4x	Loss
A3	2-2-L4x	Loss
A3,A4	1-2-L4x	Loss
A4	1-3-L4x	Loss
A4,B4	3-L4x	Loss
B4	4-L4x	Loss
C6	4-L4	Loss
C6,D6	3-L4	Loss
D3	L3x-L4	Loss
D3,D4	L4-Lx	Loss
D3,D4,D5	2-L4	Loss
D4	1-L4-Lx	Win
D4,D5	1-2-L4	Loss
D4,D5,D6	1-1-L4	Loss
D5	2-2-L4	Loss
D5,D6	1-2-L4	Loss

L4x-L4x
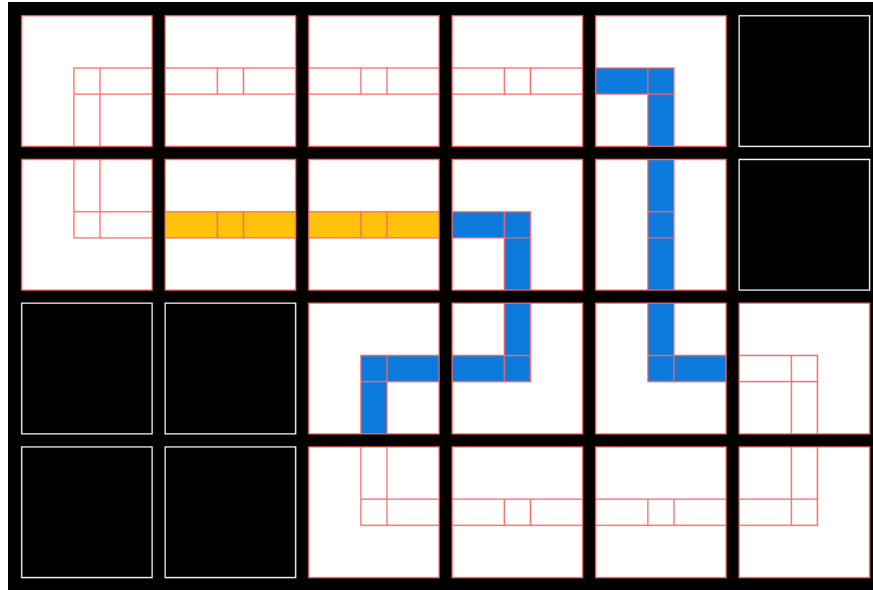
Figure 117: L4x-L4x

Move	New State	Result
A1,A2	1-2-L4x	Loss
A1,A2,A3	1-1-L4x	Loss
A1,B1	3-L4x	Loss
A2	2-2-L4x	Loss
A2,A3	1-2-L4x	Loss
A2,A3,A4	2-L4x	Loss
A3	1-L4x-Lx	Loss
A3,A4	L4x-Lx	Loss
A4	L3x-L4x	Loss
B1	4-L4x	Loss
C6	4-L4x	Loss
C6,D6	3-L4x	Loss
D3	L3x-L4x	Loss
D3,D4	L4x-Lx	Loss
D3,D4,D5	2-L4x	Loss
D4	1-L4x-Lx	Loss
D4,D5	1-2-L4x	Loss
D4,D5,D6	1-1-L4x	Loss
D5	2-2-L4x	Loss
D5,D6	1-2-L4x	Loss

L4x-S+1
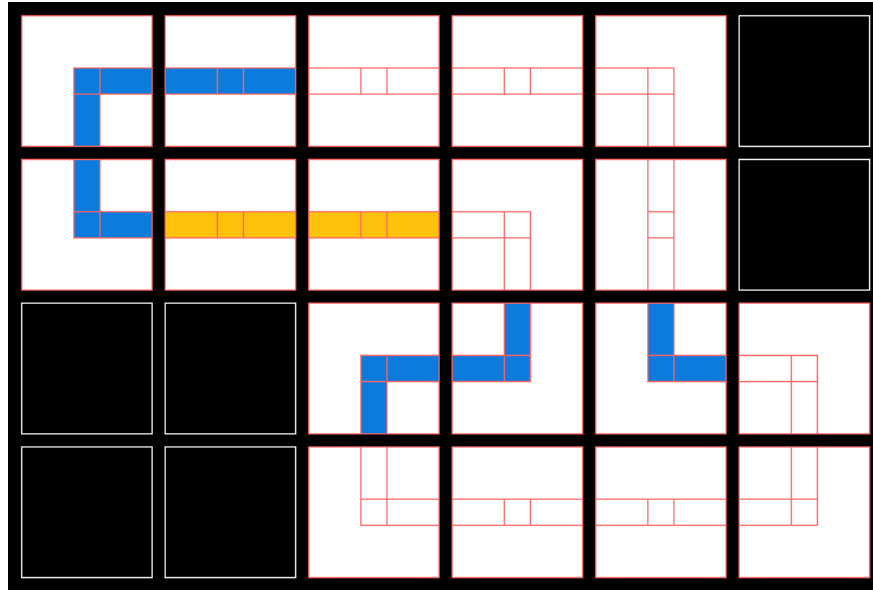
Figure 118: L4x-S+1

Move	New State	Result
A3	L4x-S	Loss
A3,A4	L-L4x	Loss
A3,A4,A5	2-L4x	Loss
A4,B4	1-2-L4x	Loss
A5,B5	L-L4x	Loss
B4	L3x-L4x	Loss
B4,B5	3-L4x	Loss
B5	L4x-T	Loss
C6	4-S+1	Loss
C6,D6	3-S+1	Loss
D3	L3x-S+1	Loss
D3,D4	Lx-S+1	Win
D3,D4,D5	2-S+1	Loss
D4	1-Lx-S+1	Loss
D4,D5	1-2-S+1	Loss
D4,D5,D6	1-1-S+1	Win
D5	2-2-S+1	Win
D5,D6	1-2-S+1	Loss

L4x-T4
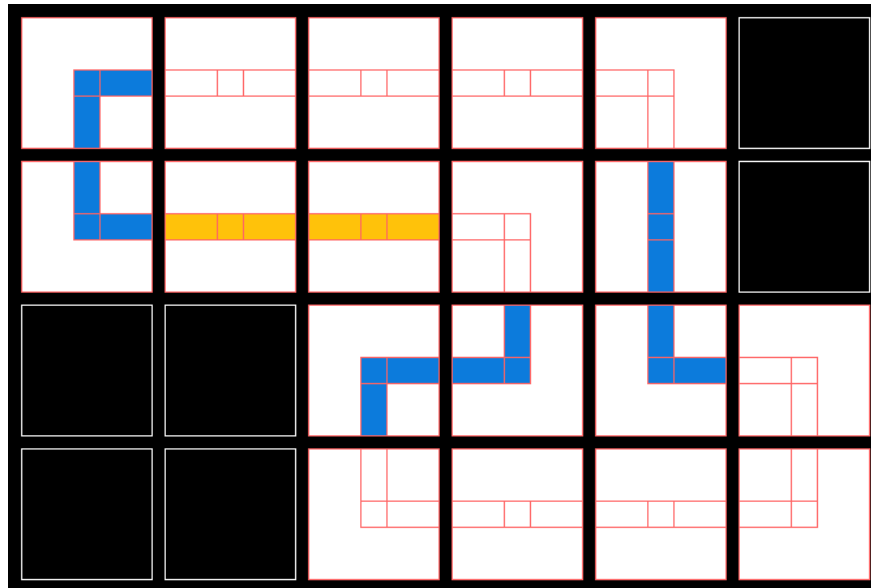
Figure 119: L4x-T4

Move	New State	Result
A2	L4x-T	Loss
A2,A3	L-L4x	Loss
A2,A3,A4	1-1-L4x	Loss
A3	1-L-L4x	Loss
A3,A4	1-1-1-L4x	Loss
A3,A4,A5	1-1-L4x	Loss
A4,A5	1-2-L4x	Loss
A4,B4	1-2-L4x	Loss
A5	L3-L4x	Loss
B4	4-L4x	Loss
C6	4-T4	Loss
C6,D6	3-T4	Loss
D3	L3x-T4	Loss
D3,D4	Lx-T4	Loss
D3,D4,D5	2-T4	Loss
D4	1-Lx-T4	Loss
D4,D5	1-2-T4	Loss
D4,D5,D6	1-1-T4	Loss
D5	2-2-T4	Loss
D5,D6	1-2-T4	Loss

Lx-Lx-S
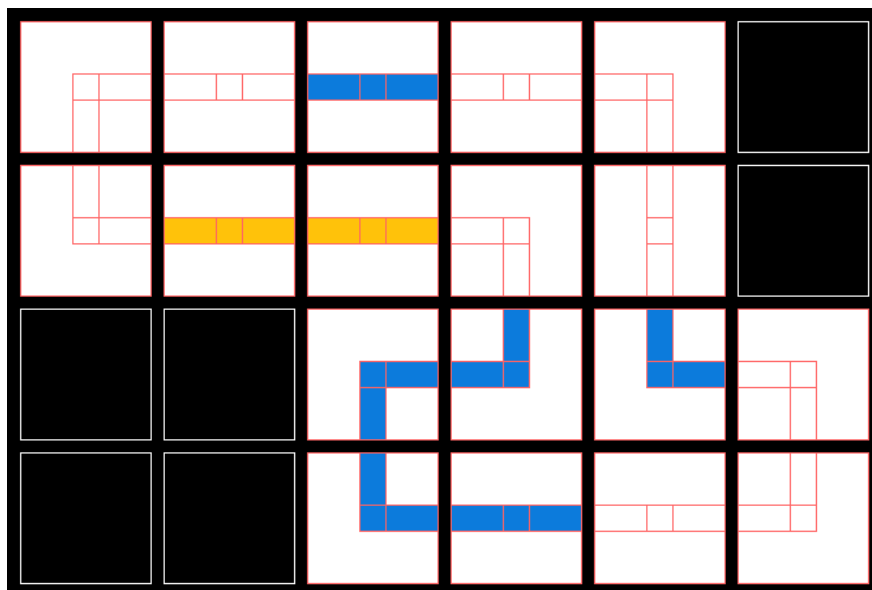
Figure 120: Lx-Lx-S

Move	New State	Result
A1,A2	1-Lx-S	Win
A1,B1	1-Lx-S	Win
A2	2-Lx-S	Loss
A4	L-Lx-Lx	Loss
A4,A5	2-Lx-Lx	Loss
A4,B4	2-Lx-Lx	Loss
A5,B5	2-Lx-Lx	Loss
B1	2-Lx-S	Loss
B4	Lx-Lx-Lx	Win
B4,B5	2-Lx-Lx	Loss
B5	L-Lx-Lx	Loss
C6	2-Lx-S	Loss
C6,D6	1-Lx-S	Win
D5	2-Lx-S	Loss
D5,D6	1-Lx-S	Win

Lx-S+3
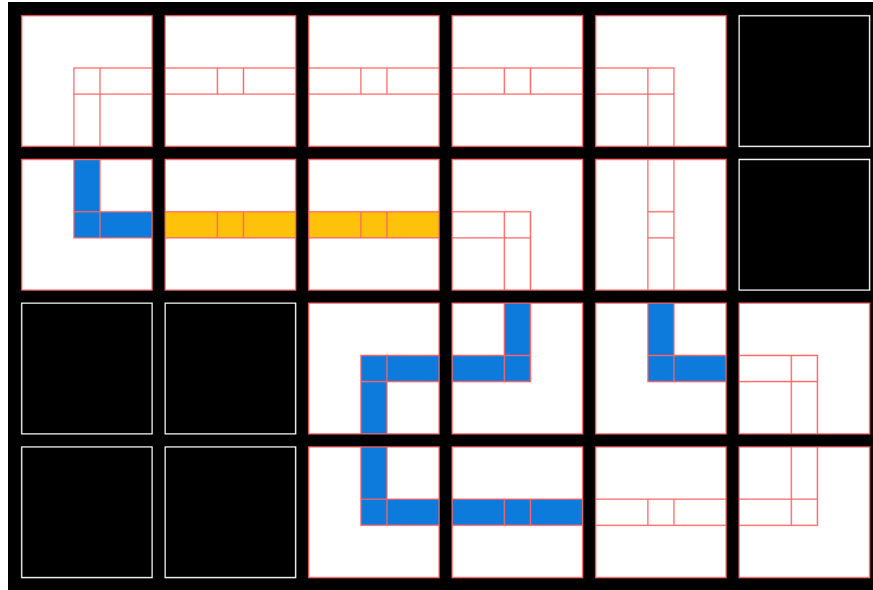
Figure 121: Lx-S+3

Move	New State	Result
A1	Lx-S+2	Loss
A1,A2	Lx-S+1	Win
A1,A2,A3	Lx-S	Loss
A2	1-Lx-S+1	Loss
A2,A3	1-Lx-S	Win
A2,A3,A4	1-L-Lx	Loss
A3	2-Lx-S	Loss
A3,A4	2-L-Lx	Loss
A3,A4,A5	2-2-Lx	Win
A4,B4	2-3-Lx	Loss
A5,B5	L4-Lx	Loss
B4	L5x-Lx	Loss
B4,B5	5-Lx	Loss
B5	Lx-T5	Win
C6	2-S+3	Loss
C6,D6	1-S+3	Loss
D5	2-S+3	Loss
D5,D6	1-S+3	Loss

1-1-1-Lx-Lx
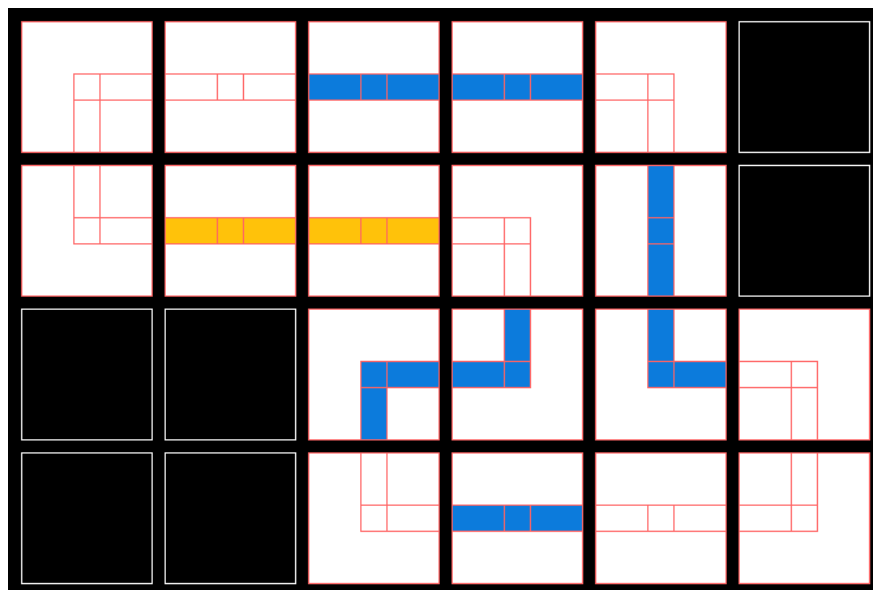
Figure 122: 1-1-1-Lx-Lx

Move	New State	Result
A1,A2	1-1-1-1-Lx	Win
A1,B1	1-1-1-1-Lx	Win
A2	1-1-1-2-Lx	Loss
A5	1-1-Lx-Lx	Win
B1	1-1-1-2-Lx	Loss
B4	1-1-Lx-Lx	Win
C6	1-1-1-2-Lx	Loss
C6,D6	1-1-1-1-Lx	Win
D3	1-1-Lx-Lx	Win
D5	1-1-1-2-Lx	Loss
D5,D6	1-1-1-1-Lx	Win

1-1-2-2-Lx
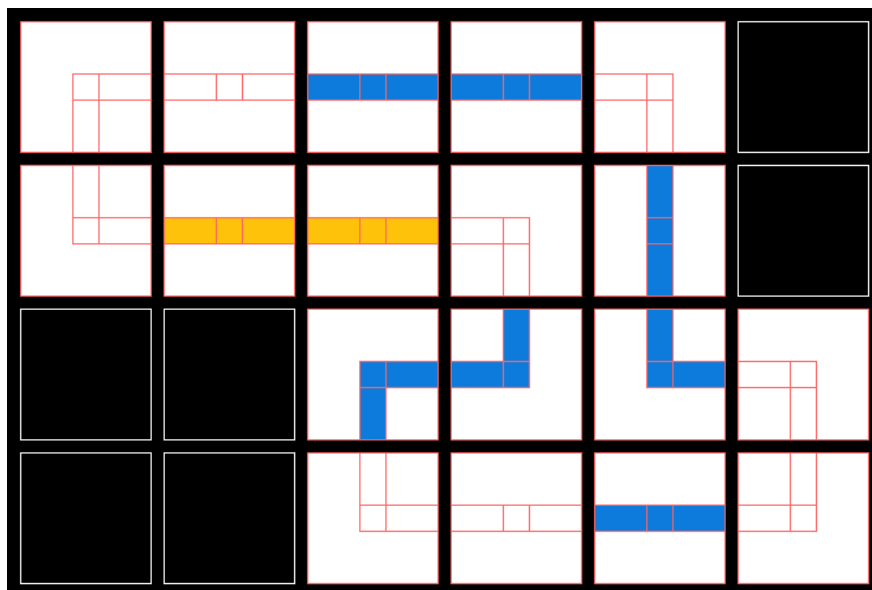
Figure 123: 1-1-2-2-Lx

Move	New State	Result
A1,A2	1-1-1-2-2	Loss
A1,B1	1-1-1-2-2	Loss
A2	1-1-2-2-2	Loss
A5	1-2-2-Lx	Loss
B1	1-1-2-2-2	Loss
B4	1-2-2-Lx	Loss
C6	1-1-1-2-Lx	Loss
C6,D6	1-1-2-Lx	Loss
D3	1-1-1-2-Lx	Loss
D3,D4	1-1-2-Lx	Loss
D4	1-1-1-2-Lx	Loss
D6	1-1-1-2-Lx	Loss

1-1-2-L4x
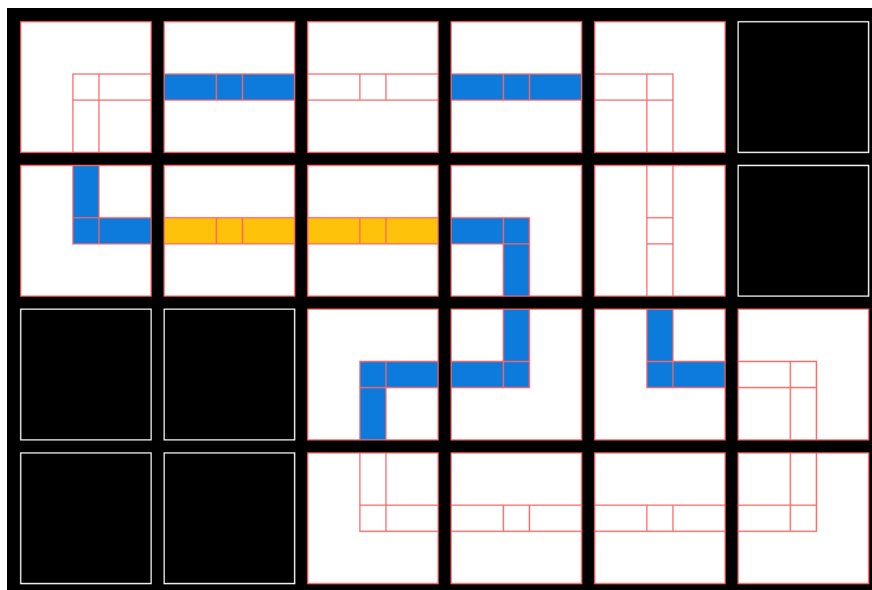
Figure 124: 1-1-2-L4x

Move	New State	Result
A1	1-2-L4x	Loss
A3	1-2-L4x	Loss
A5	1-1-1-L4x	Loss
A5,B5	1-1-L4x	Loss
B5	1-1-1-L4x	Loss
C6	1-1-2-4	Loss
C6,D6	1-1-2-3	Loss
D3	1-1-2-L3x	Loss
D3,D4	1-1-2-Lx	Loss
D3,D4,D5	1-1-2-2	Win
D4	1-1-1-2-Lx	Loss
D4,D5	1-1-1-2-2	Loss
D4,D5,D6	1-1-1-1-2	Loss
D5	1-1-2-2-2	Loss
D5,D6	1-1-1-2-2	Loss

1-1-2-S+1
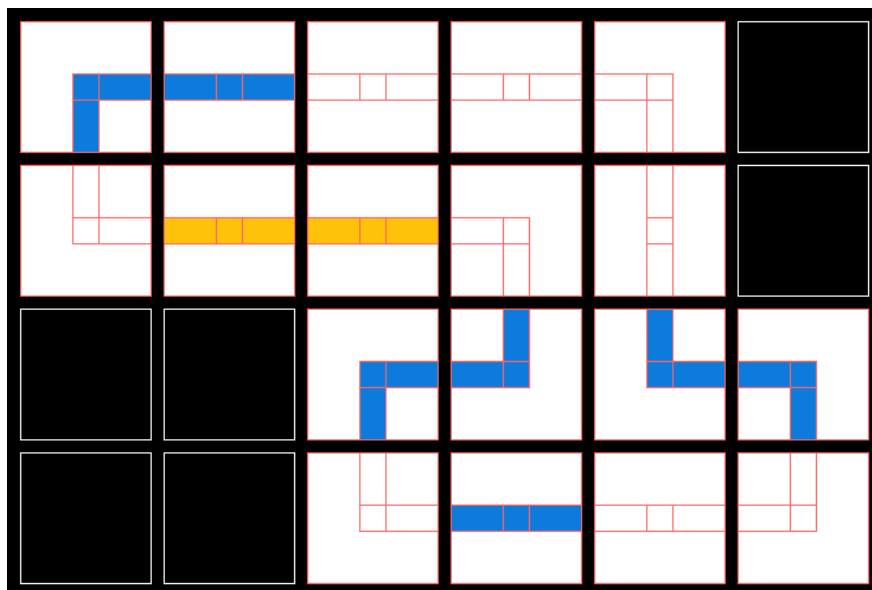
Figure 125: 1-1-2-S+1

Move	New State	Result
A3	1-1-2-S	Loss
A3,A4	1-1-2-L	Loss
A3,A4,A5	1-1-2-2	Win
A4,B4	1-1-1-2-2	Loss
A5,B5	1-1-2-L	Loss
B1	1-2-S+1	Loss
B4	1-1-2-L3x	Loss
B4,B5	1-1-2-3	Loss
B5	1-1-2-T	Win
D3	1-2-S+1	Loss
D5	1-1-1-S+1	Loss
D5,D6	1-1-S+1	Win
D6	1-1-1-S+1	Loss

1-1-4-Lx
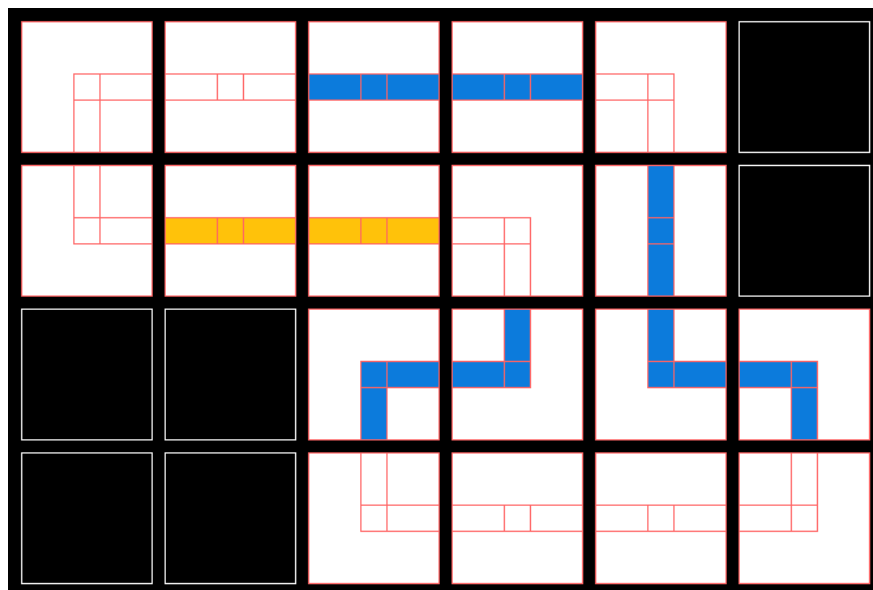
Figure 126: 1-1-4-Lx

Move	New State	Result
A1,A2	1-1-1-4	Loss
A1,B1	1-1-1-4	Loss
A2	1-1-2-4	Loss
A5	1-4-Lx	Loss
B1	1-1-2-4	Loss
B4	1-4-Lx	Loss
D3	1-1-3-Lx	Loss
D3,D4	1-1-2-Lx	Loss
D3,D4,D5	1-1-1-Lx	Loss
D4	1-1-1-2-Lx	Loss
D4,D5	1-1-1-1-Lx	Win
D4,D5,D6	1-1-1-Lx	Loss
D5	1-1-1-2-Lx	Loss
D5,D6	1-1-2-Lx	Loss
D6	1-1-3-Lx	Loss

1-1-C4+1
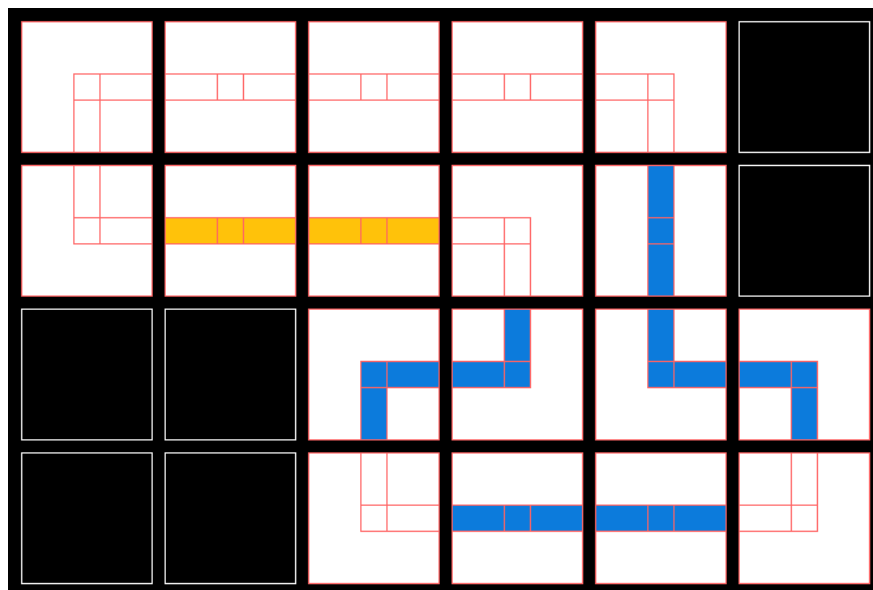
Figure 127: 1-1-C4+1

Move	New State	Result
A1,A2	1-1-1-T	Loss
A1,A2,A3	1-1-1-L	Loss
A1,B1	1-1-T4	Loss
A2	1-1-2-T	Win
A2,A3	1-1-2-L	Loss
A2,A3,A4	1-1-1-1-2	Loss
A3	1-1-L-Lx	Loss
A3,A4	1-1-1-1-Lx	Win
A3,A4,A5	1-1-1-Lx	Loss
A4,A5	1-1-1-L3x	Loss
A4,B4	1-1-1-L3x	Loss
A5	1-1-C4	Loss
B1	1-1-T5	Win
B4	1-1-L5x	Loss
D3	1-C4+1	Loss
D6	1-C4+1	Loss

1-1-C5
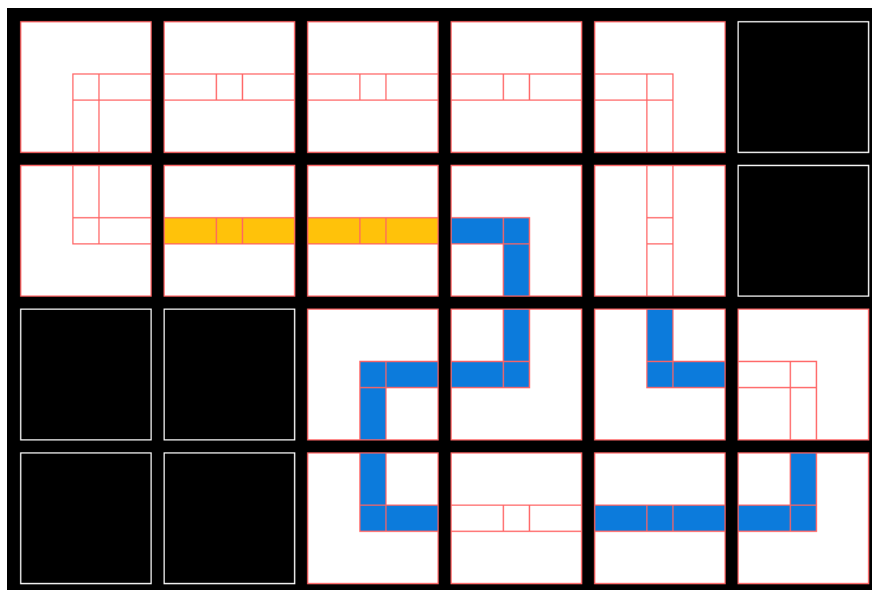
Figure 128: 1-1-C5

Move	New State	Result
A1,A2	1-1-1-L3x	Loss
A1,A2,A3	1-1-1-Lx	Loss
A1,B1	1-1-L4x	Loss
A2	1-1-2-L3x	Loss
A2,A3	1-1-2-Lx	Loss
A2,A3,A4	1-1-2-2	Win
A3	1-1-Lx-Lx	Win
A3,A4	1-1-2-Lx	Loss
A3,A4,A5	1-1-1-Lx	Loss
A4	1-1-2-L3x	Loss
A4,A5	1-1-1-L3x	Loss
A5,B5	1-1-L4x	Loss
B1	1-1-L5x	Loss
B5	1-1-L5x	Loss
C6	1-C5	Loss
D4	1-C5	Loss

1-1-L3x-Lx
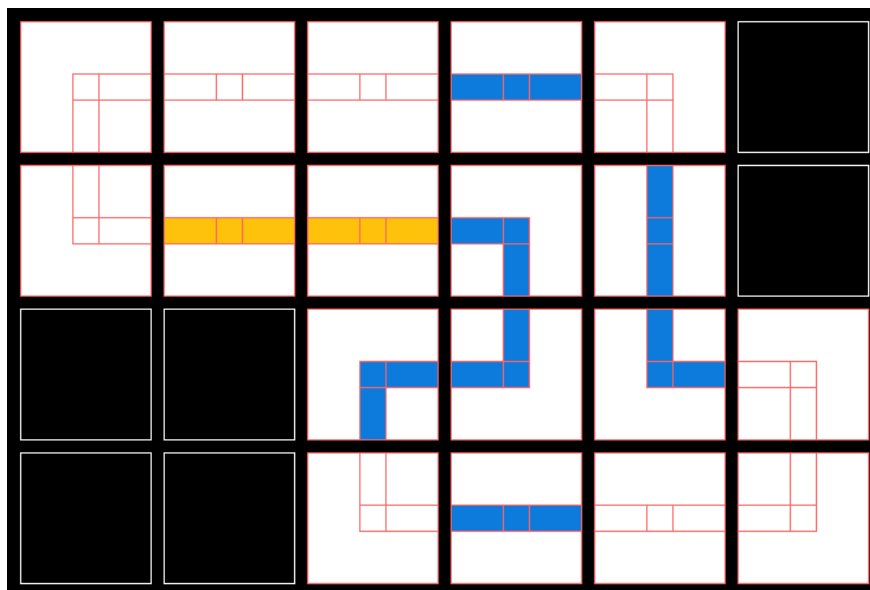
Figure 129: 1-1-L3x-Lx

Move	New State	Result
A1,A2	1-1-1-1-Lx	Win
A1,A2,A3	1-1-1-Lx	Loss
A1,B1	1-1-2-Lx	Loss
A2	1-1-1-2-Lx	Loss
A2,A3	1-1-2-Lx	Loss
A3	1-1-Lx-Lx	Win
A5	1-L3x-Lx	Loss
B1	1-1-3-Lx	Loss
C6	1-1-2-L3x	Loss
C6,D6	1-1-1-L3x	Loss
D3	1-L3x-Lx	Loss
D5	1-1-2-L3x	Loss
D5,D6	1-1-1-L3x	Loss

1-1-Lx-S
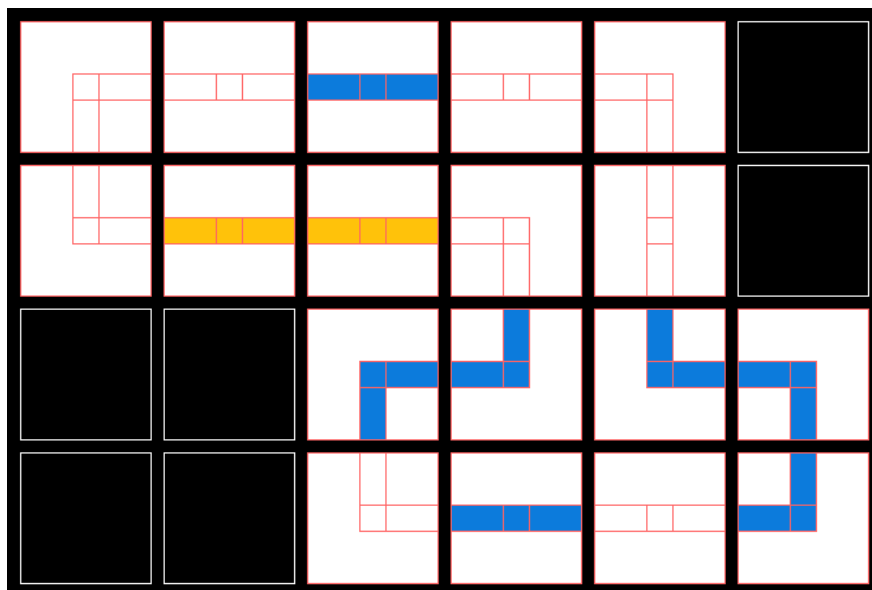
Figure 130: 1-1-Lx-S

Move	New State	Result
A1,A2	1-1-1-S	Win
A1,B1	1-1-1-S	Win
A2	1-1-2-S	Loss
A4	1-1-L-Lx	Loss
A4,A5	1-1-2-Lx	Loss
A4,B4	1-1-2-Lx	Loss
A5,B5	1-1-2-Lx	Loss
B1	1-1-2-S	Loss
B4	1-1-Lx-Lx	Win
B4,B5	1-1-2-Lx	Loss
B5	1-1-L-Lx	Loss
D3	1-Lx-S	Win
D5	1-Lx-S	Win

1-1-Lx-T
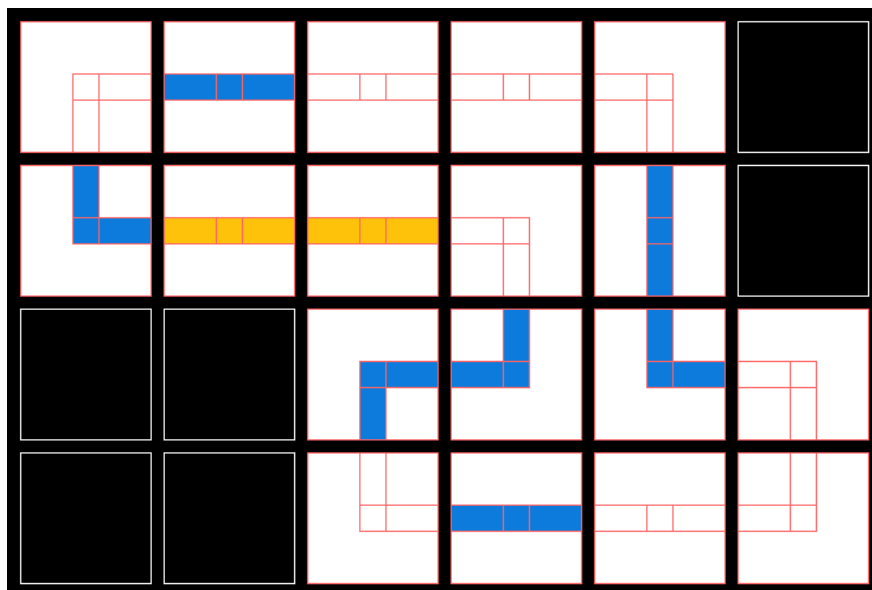
Figure 131: 1-1-Lx-T

Move	New State	Result
A1	1-Lx-T	Loss
A3	1-1-L-Lx	Loss
A3,A4	1-1-1-1-Lx	Win
A3,A4,A5	1-1-1-Lx	Loss
A4,A5	1-1-1-1-Lx	Win
A4,B4	1-1-1-1-Lx	Win
A5	1-1-L-Lx	Loss
B4	1-1-3-Lx	Loss
C6	1-1-2-T	Win
C6,D6	1-1-1-T	Loss
D3	1-Lx-T	Loss
D5	1-1-2-T	Win
D5,D6	1-1-1-T	Loss

1-1-S+3
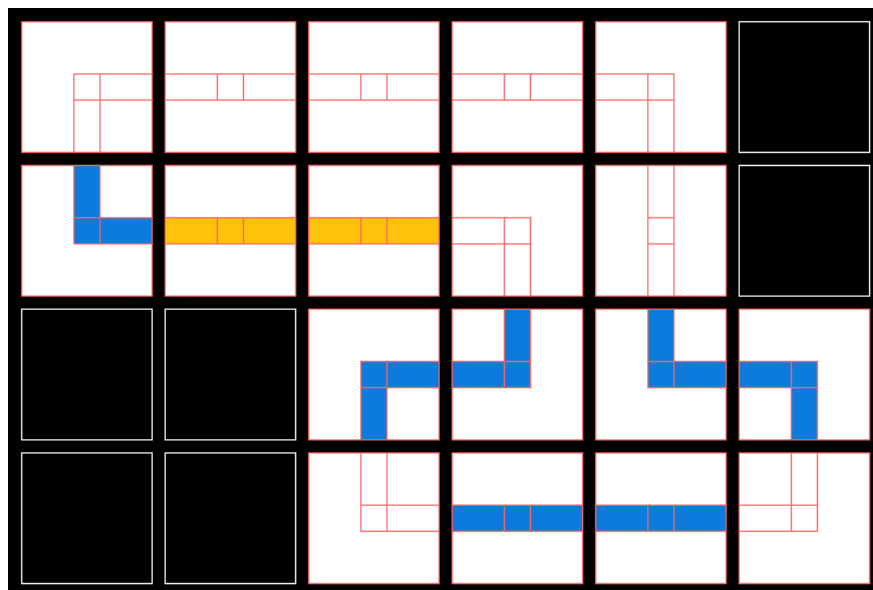
Figure 132: 1-1-S+3

Move	New State	Result
A1	1-1-S+2	Loss
A1,A2	1-1-S+1	Win
A1,A2,A3	1-1-S	Loss
A2	1-1-1-S+1	Loss
A2,A3	1-1-1-S	Win
A2,A3,A4	1-1-1-L	Loss
A3	1-1-2-S	Loss
A3,A4	1-1-2-L	Loss
A3,A4,A5	1-1-2-2	Win
A4,B4	1-1-2-3	Loss
A5,B5	1-1-L4	Loss
B4	1-1-L5x	Loss
B4,B5	1-1-5	Loss
B5	1-1-T5	Win
D3	1-S+3	Loss
D6	1-S+3	Loss

1-2-2-2-2
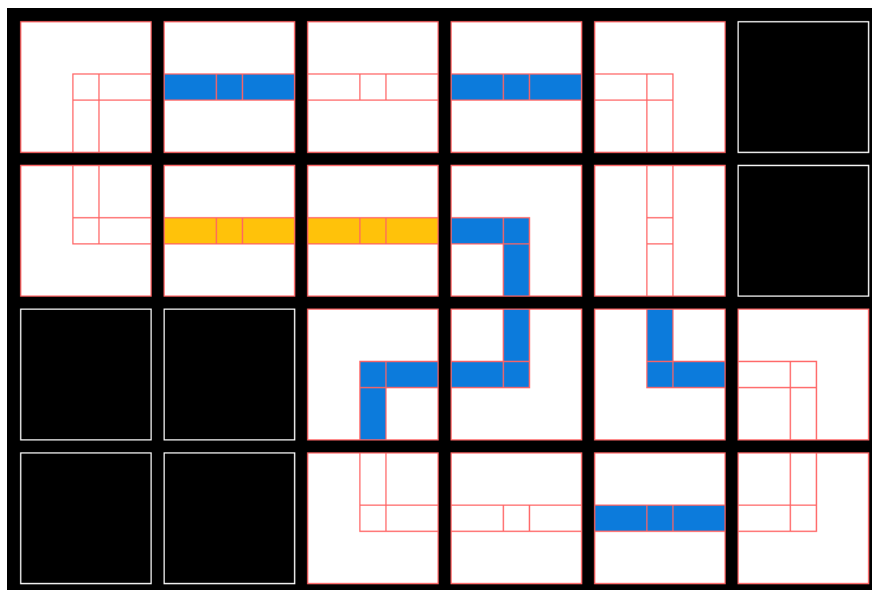
Figure 133: 1-2-2-2-2

Move	New State	Result
A1	1-1-2-2-2	Loss
A1,B1	1-2-2-2	Loss
A3	2-2-2-2	Win
A5	1-1-2-2-2	Loss
A5,B5	1-2-2-2	Loss
B1	1-1-2-2-2	Loss
B5	1-1-2-2-2	Loss
C6	1-1-2-2-2	Loss
C6,D6	1-2-2-2	Loss
D3	1-1-2-2-2	Loss
D3,D4	1-2-2-2	Loss
D4	1-1-2-2-2	Loss
D6	1-1-2-2-2	Loss

1-2-2-4
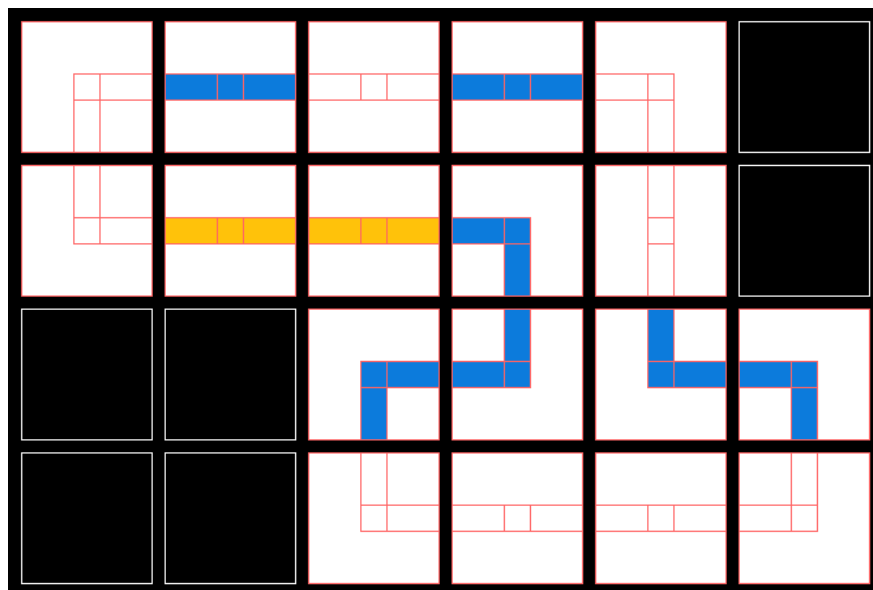
Figure 134: 1-2-2-4

Move	New State	Result
A1	1-1-2-4	Loss
A1,B1	1-2-4	Loss
A3	2-2-4	Loss
A5	1-1-2-4	Loss
A5,B5	1-2-4	Loss
B1	1-1-2-4	Loss
B5	1-1-2-4	Loss
D3	1-2-2-3	Loss
D3,D4	1-2-2-2	Loss
D3,D4,D5	1-1-2-2	Win
D4	1-1-2-2-2	Loss
D4,D5	1-1-1-2-2	Loss
D4,D5,D6	1-1-2-2	Win
D5	1-1-2-2-2	Loss
D5,D6	1-2-2-2	Loss
D6	1-2-2-3	Loss

1-2-2-L3x
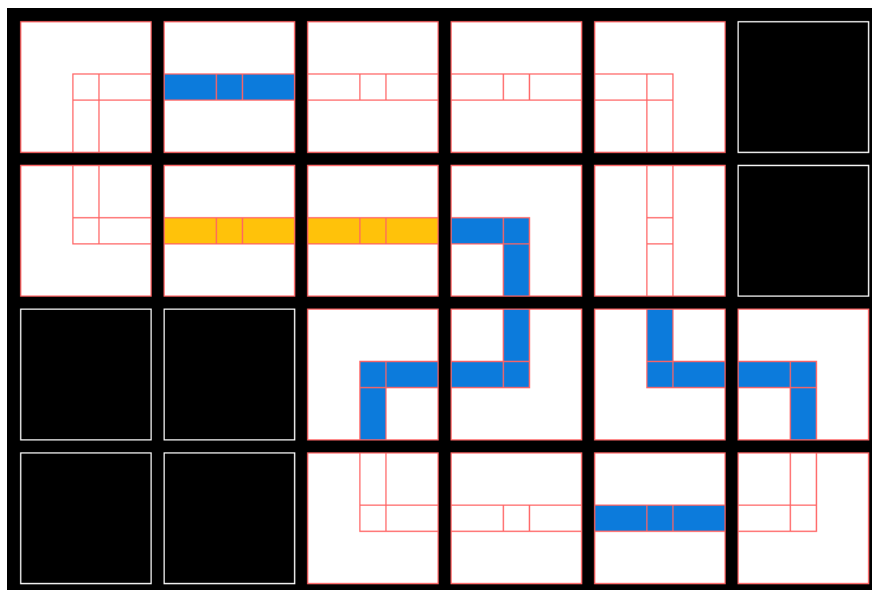
Figure 135: 1-2-2-L3x

Move	New State	Result
A1	1-1-2-L3x	Loss
A1,B1	1-2-L3x	Loss
A3	1-2-2-Lx	Loss
A3,A4	1-2-2-2	Loss
A3,A4,A5	1-1-2-2	Win
A4	1-1-2-2-2	Loss
A4,A5	1-1-1-2-2	Loss
A5,B5	1-2-2-2	Loss
B1	1-1-2-L3x	Loss
B5	1-2-2-3	Loss
D3	1-1-2-L3x	Loss
D3,D4	1-2-L3x	Loss
D4	1-1-2-L3x	Loss
D6	2-2-L3x	Loss

1-2-2-S
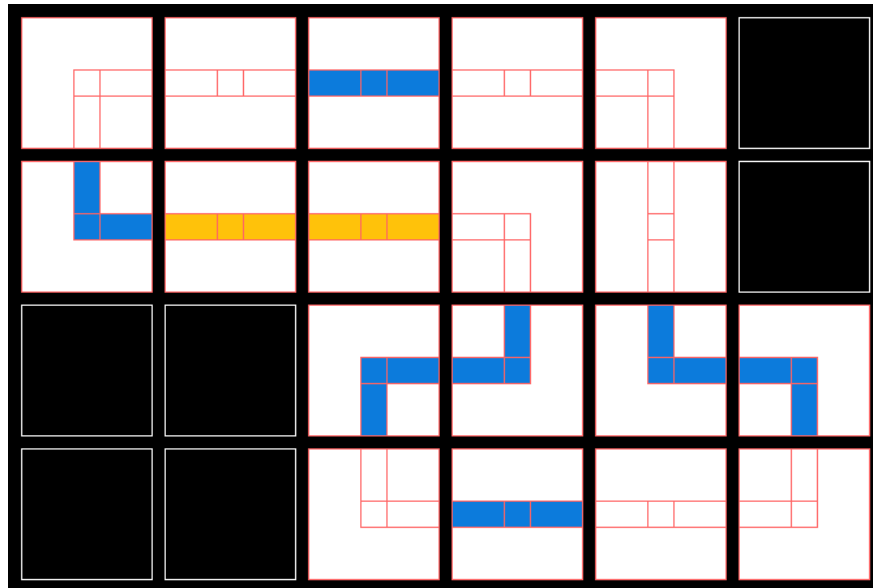
Figure 136: 1-2-2-S

Move	New State	Result
A1	1-1-2-S	Loss
A1,A2	1-2-S	Loss
A2	1-1-2-S	Loss
A4	1-2-2-L	Loss
A4,A5	1-2-2-2	Loss
A4,B4	1-2-2-2	Loss
A5,B5	1-2-2-2	Loss
B4	1-2-2-Lx	Loss
B4,B5	1-2-2-2	Loss
B5	1-2-2-L	Loss
D3	2-2-S	Loss
D5	1-1-2-S	Loss
D5,D6	1-2-S	Loss
D6	1-1-2-S	Loss

1-2-2-T
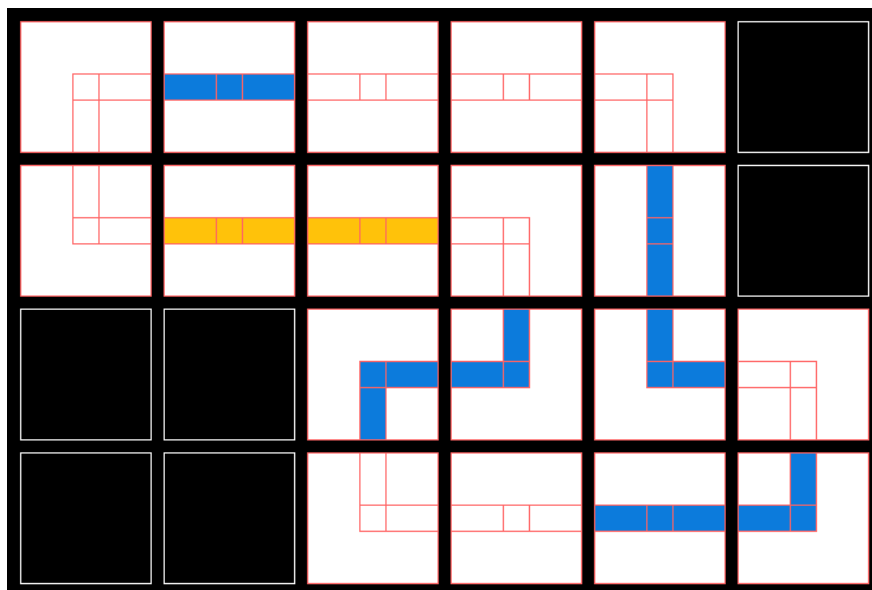
Figure 137: 1-2-2-T

Move	New State	Result
A1	1-1-2-T	Win
A1,B1	1-2-T	Loss
A3	1-2-2-L	Loss
A3,A4	1-1-1-2-2	Loss
A3,A4,A5	1-1-2-2	Win
A4,A5	1-1-1-2-2	Loss
A4,B4	1-1-1-2-2	Loss
A5	1-2-2-L	Loss
B1	1-1-2-T	Win
B4	1-2-2-3	Loss
C6	2-2-T	Loss
D3	1-1-2-T	Win
D3,D4	1-2-T	Loss
D4	1-1-2-T	Win

1-2-3-Lx
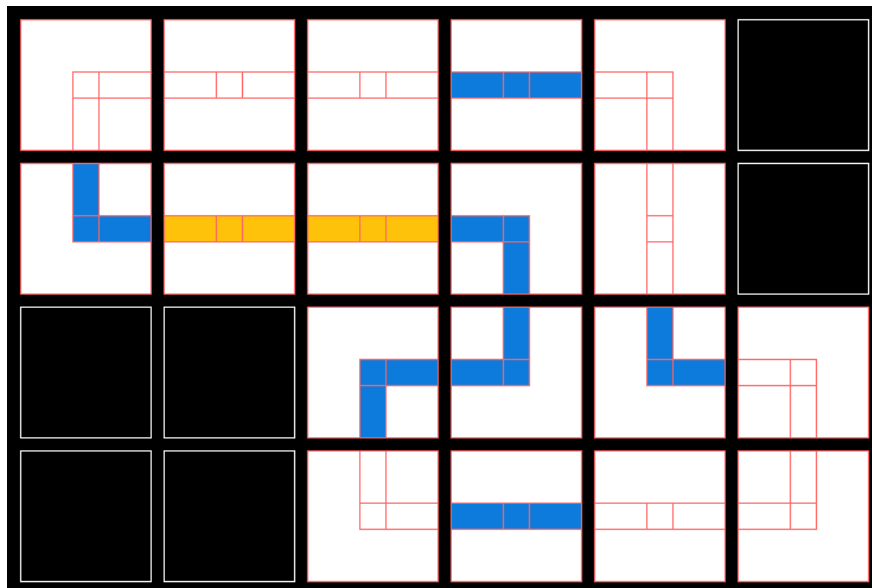
Figure 138: 1-2-3-Lx

Move	New State	Result
A1	1-2-2-Lx	Loss
A1,A2	1-1-2-Lx	Loss
A1,A2,A3	1-2-Lx	Loss
A2	1-1-1-2-Lx	Loss
A2,A3	1-1-2-Lx	Loss
A3	1-2-2-Lx	Loss
A5	1-1-3-Lx	Loss
A5,B5	1-3-Lx	Loss
B5	1-1-3-Lx	Loss
C6	1-2-2-3	Loss
C6,D6	1-1-2-3	Loss
D3	2-3-Lx	Loss
D5	1-2-2-3	Loss
D5,D6	1-1-2-3	Loss

1-2-C4
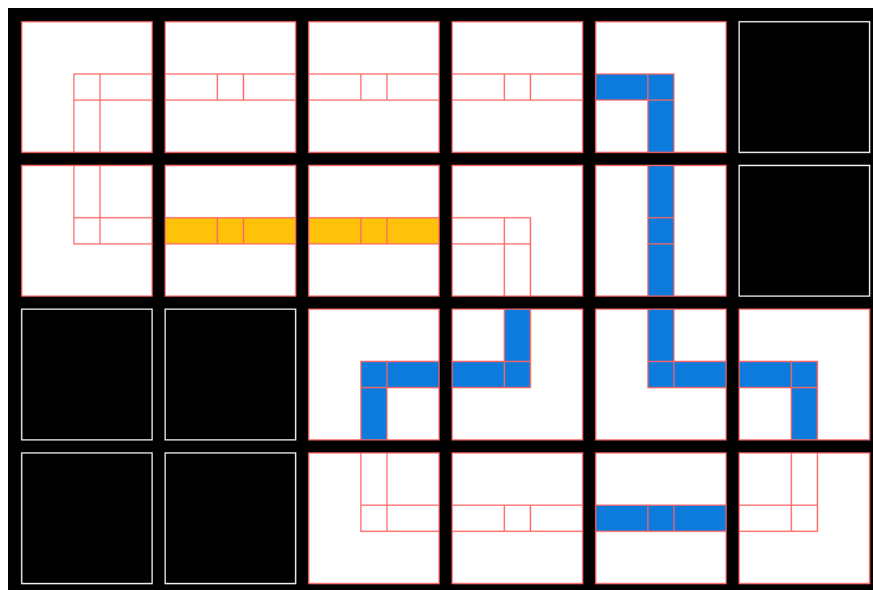
Figure 139: 1-2-C4

Move	New State	Result
A1,A2	1-1-2-L	Loss
A1,A2,A3	1-1-2-2	Win
A1,B1	1-2-L3	Loss
A2	1-2-2-L	Loss
A2,A3	1-2-2-2	Loss
A2,A3,A4	1-1-2-2	Win
A3	1-2-2-Lx	Loss
A3,A4	1-1-2-Lx	Loss
A4	1-1-2-L3x	Loss
A4,B4	1-2-L3x	Loss
B1	1-2-L4	Loss
B4	1-2-L4x	Loss
D3	1-1-C4	Loss
D3,D4	1-C4	Loss
D4	1-1-C4	Loss
D6	2-C4	Loss

1-2-L-Lx
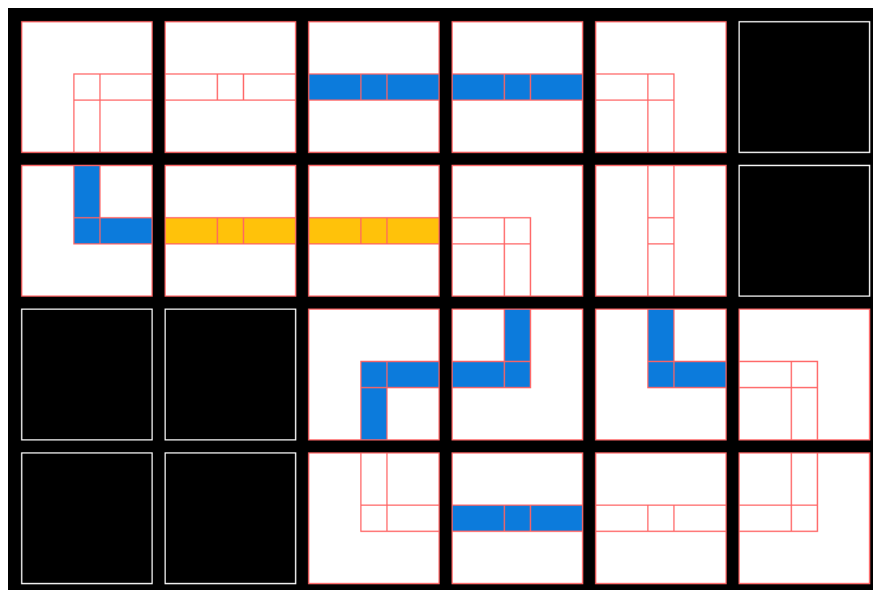
Figure 140: 1-2-L-Lx

Move	New State	Result
A1	1-1-L-Lx	Loss
A1,A2	1-L-Lx	Loss
A2	1-1-L-Lx	Loss
A5	1-2-2-Lx	Loss
A5,B5	1-1-2-Lx	Loss
B4	1-2-2-Lx	Loss
B4,B5	1-1-2-Lx	Loss
B5	1-1-1-2-Lx	Loss
C6	1-2-2-L	Loss
C6,D6	1-1-2-L	Loss
D3	2-L-Lx	Loss
D5	1-2-2-L	Loss
D5,D6	1-1-2-L	Loss

1-2-L5x
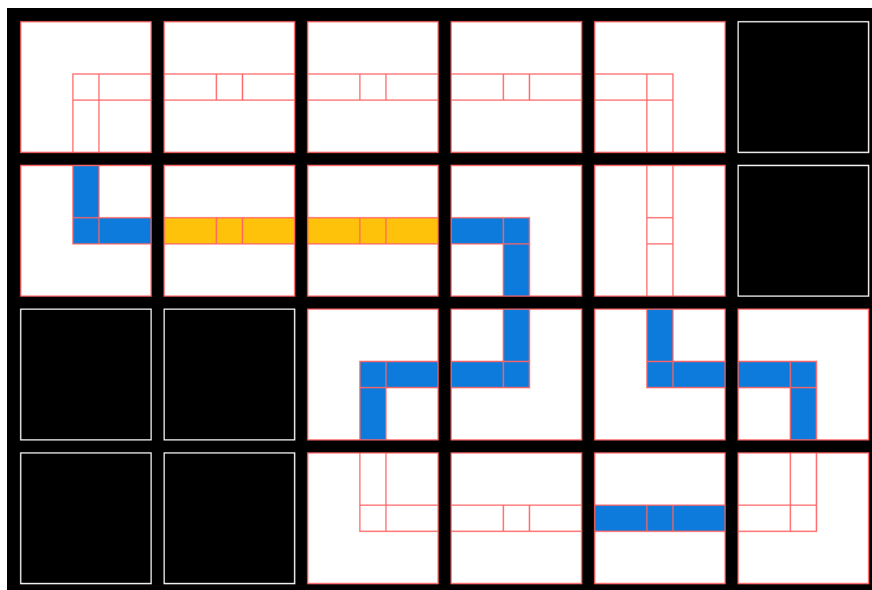
Figure 141: 1-2-L5x

Move	New State	Result
A1	1-2-L4x	Loss
A1,A2	1-2-L3x	Loss
A1,A2,A3	1-2-Lx	Loss
A2	1-1-2-L3x	Loss
A2,A3	1-1-2-Lx	Loss
A2,A3,A4	1-1-2-2	Win
A3	1-2-2-Lx	Loss
A3,A4	1-2-2-2	Loss
A3,A4,A5	1-1-2-2	Win
A4	1-2-2-3	Loss
A4,A5	1-1-2-3	Loss
A5,B5	1-2-4	Loss
B5	1-2-5	Loss
D3	1-1-L5x	Loss
D3,D4	1-L5x	Loss
D4	1-1-L5x	Loss
D6	2-L5x	Loss

1-2-Lx-Lx
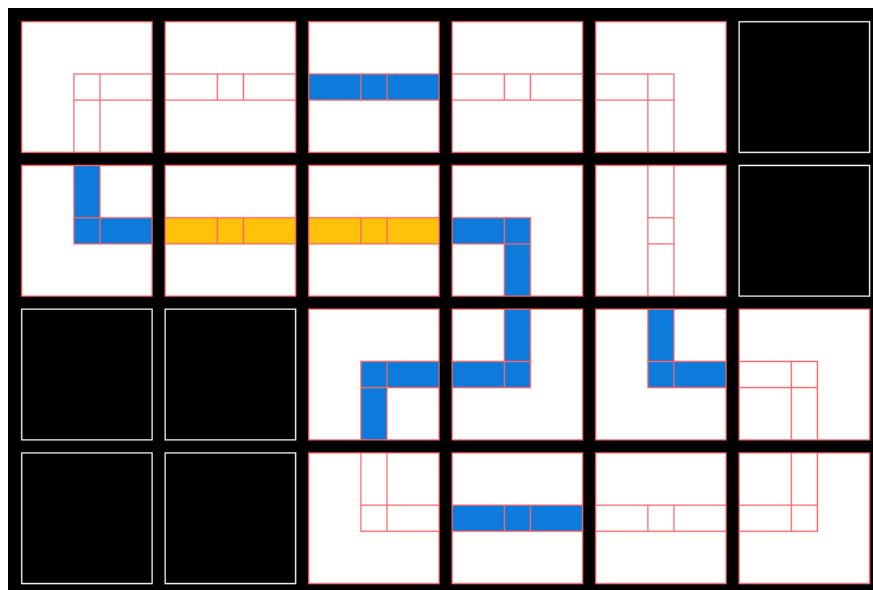
Figure 142: 1-2-Lx-Lx

Move	New State	Result
A1	1-1-Lx-Lx	Win
A1,A2	1-Lx-Lx	Loss
A2	1-1-Lx-Lx	Win
A4	1-2-2-Lx	Loss
A4,A5	1-1-2-Lx	Loss
A5,B5	1-1-2-Lx	Loss
B5	1-2-2-Lx	Loss
C6	1-2-2-Lx	Loss
C6,D6	1-1-2-Lx	Loss
D3	2-Lx-Lx	Loss
D5	1-2-2-Lx	Loss
D5,D6	1-1-2-Lx	Loss

1-2-S+2
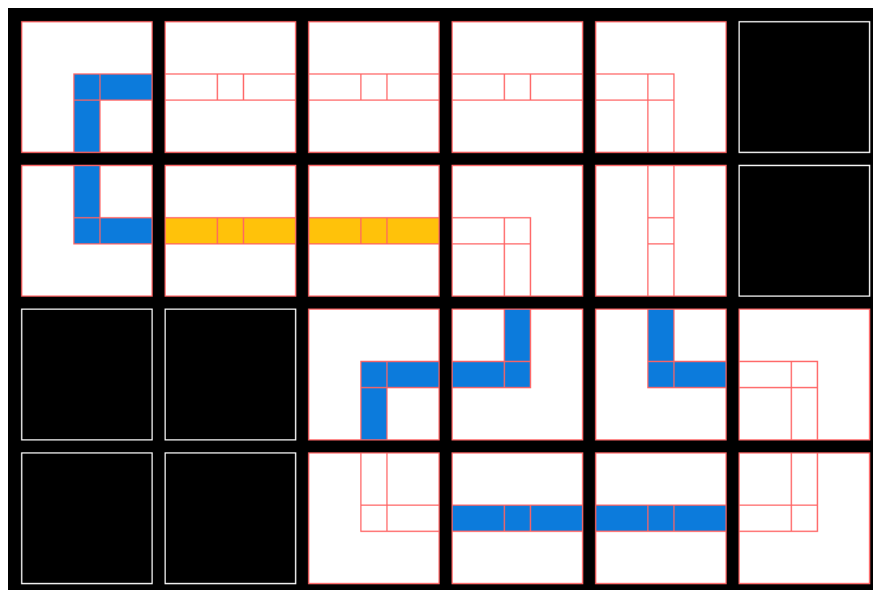
Figure 143: 1-2-S+2

Move	New State	Result
A2	1-2-S+1	Loss
A2,A3	1-2-S	Loss
A2,A3,A4	1-2-L	Win
A3	1-1-2-S	Loss
A3,A4	1-1-2-L	Loss
A3,A4,A5	1-1-2-2	Win
A4,B4	1-2-2-2	Loss
A5,B5	1-2-L3	Loss
B4	1-2-L4x	Loss
B4,B5	1-2-4	Loss
B5	1-2-T4	Loss
C6	1-1-S+2	Loss
C6,D6	1-S+2	Loss
D3	2-S+2	Loss
D6	1-1-S+2	Loss

1-2-T5
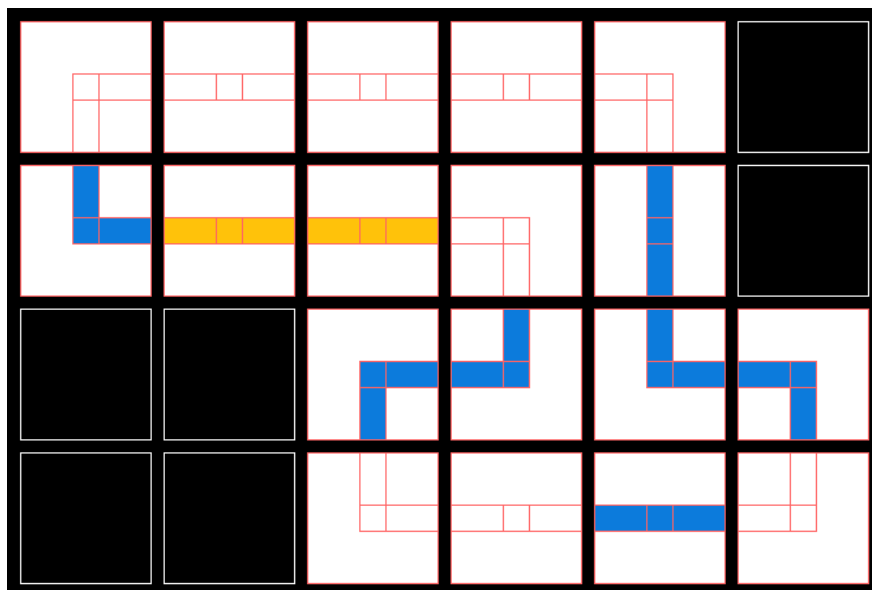
Figure 144: 1-2-T5

Move	New State	Result
A1	1-2-T4	Loss
A1,A2	1-2-T	Loss
A1,A2,A3	1-2-L	Win
A2	1-1-2-T	Win
A2,A3	1-1-2-L	Loss
A2,A3,A4	1-1-1-1-2	Loss
A3	1-2-2-L	Loss
A3,A4	1-1-1-2-2	Loss
A3,A4,A5	1-1-2-2	Win
A4,A5	1-1-2-3	Loss
A4,B4	1-1-2-3	Loss
A5	1-2-L4	Loss
B4	1-2-5	Loss
D3	1-1-T5	Win
D3,D4	1-T5	Loss
D4	1-1-T5	Win
D6	2-T5	Loss

1-3-L4x
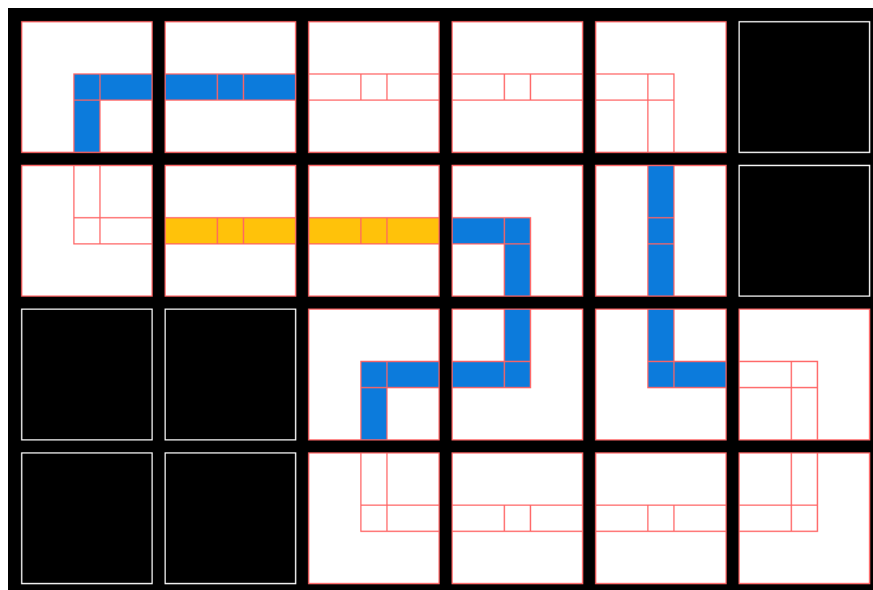
Figure 145: 1-3-L4x

Move	New State	Result
A3	1-2-L4x	Loss
A3,A4	1-1-L4x	Loss
A3,A4,A5	1-L4x	Loss
A4	1-1-1-L4x	Loss
A4,A5	1-1-L4x	Loss
A5	1-2-L4x	Loss
B1	3-L4x	Loss
C6	1-3-4	Loss
C6,D6	1-3-3	Loss
D3	1-3-L3x	Loss
D3,D4	1-3-Lx	Loss
D3,D4,D5	1-2-3	Win
D4	1-1-3-Lx	Loss
D4,D5	1-1-2-3	Loss
D4,D5,D6	1-1-1-3	Loss
D5	1-2-2-3	Loss
D5,D6	1-1-2-3	Loss

143
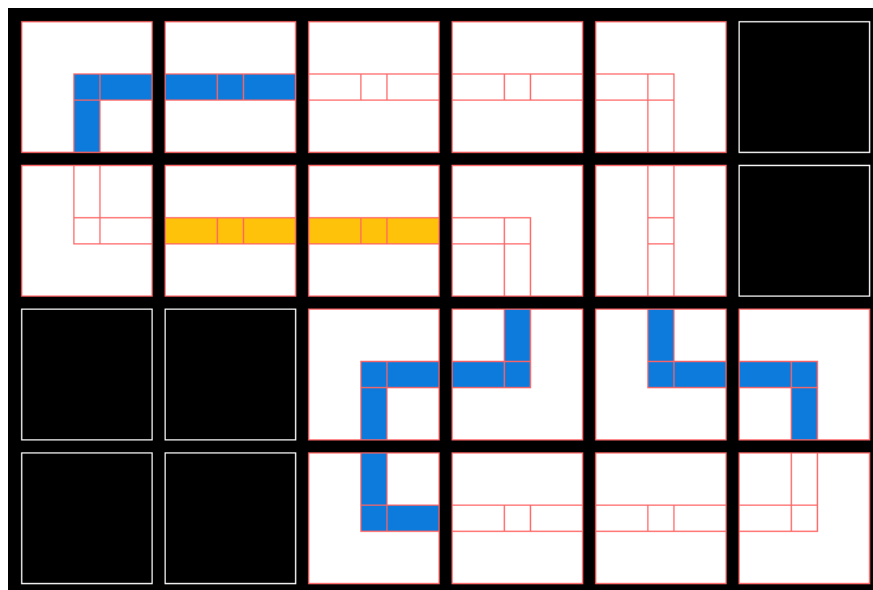
1-3-S+1

Figure 146: 1-3-S+1

Move	New State	Result
A3	1-3-S	Loss
A3,A4	1-3-L	Loss
A3,A4,A5	1-2-3	Win
A4,B4	1-1-2-3	Loss
A5,B5	1-3-L	Loss
B1	3-S+1	Loss
B4	1-3-L3x	Loss
B4,B5	1-3-3	Loss
B5	1-3-T	Win
D4	1-2-S+1	Loss
D4,D5	1-1-S+1	Win
D4,D5,D6	1-S+1	Loss
D5	1-1-1-S+1	Loss
D5,D6	1-1-S+1	Win
D6	1-2-S+1	Loss

1-4-L3x
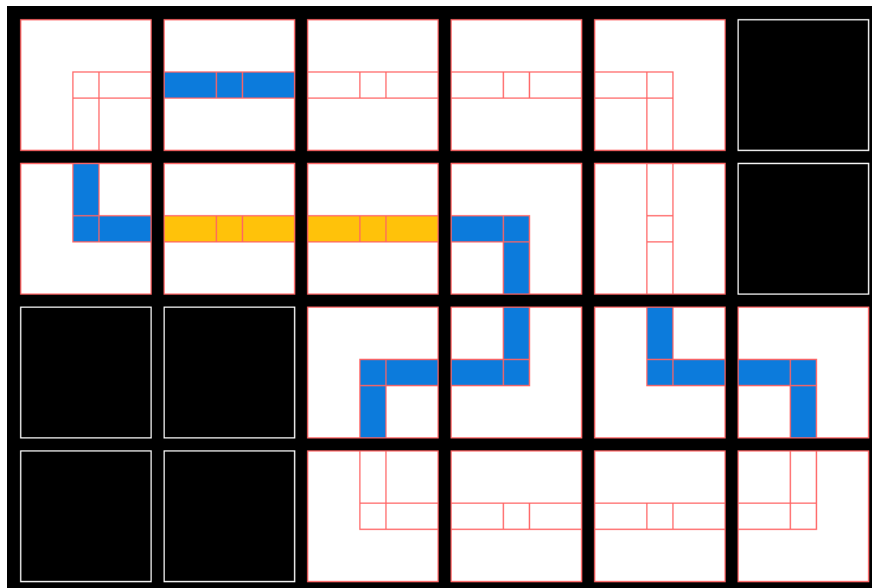
Figure 147: 1-4-L3x

Move	New State	Result
A1	4-L3x	Win
A3	1-4-Lx	Loss
A3,A4	1-2-4	Loss
A3,A4,A5	1-1-4	Loss
A4	1-1-2-4	Loss
A4,A5	1-1-1-4	Loss
A5,B5	1-2-4	Loss
B5	1-3-4	Loss
D3	1-3-L3x	Loss
D3,D4	1-2-L3x	Loss
D3,D4,D5	1-1-L3x	Loss
D4	1-1-2-L3x	Loss
D4,D5	1-1-1-L3x	Loss
D4,D5,D6	1-1-L3x	Loss
D5	1-1-2-L3x	Loss
D5,D6	1-2-L3x	Loss
D6	1-3-L3x	Loss

1-4-S
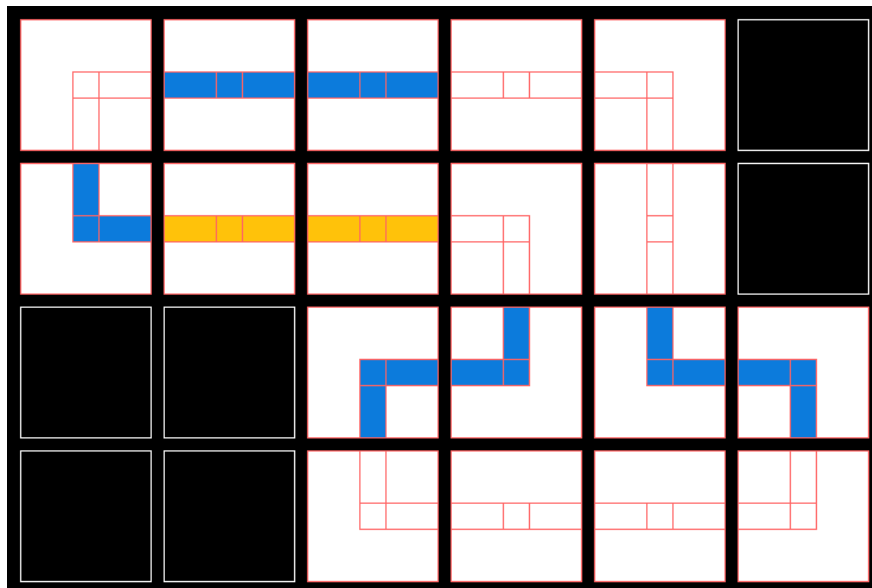
Figure 148: 1-4-S

Move	New State	Result
A1	4-S	Loss
A4	1-4-L	Loss
A4,A5	1-2-4	Loss
A4,B4	1-2-4	Loss
A5,B5	1-2-4	Loss
B4	1-4-Lx	Loss
B4,B5	1-2-4	Loss
B5	1-4-L	Loss
D3	1-3-S	Loss
D3,D4	1-2-S	Loss
D3,D4,D5	1-1-S	Loss
D4	1-1-2-S	Loss
D4,D5	1-1-1-S	Win
D4,D5,D6	1-1-S	Loss
D5	1-1-2-S	Loss
D5,D6	1-2-S	Loss
D6	1-3-S	Loss

1-4-T
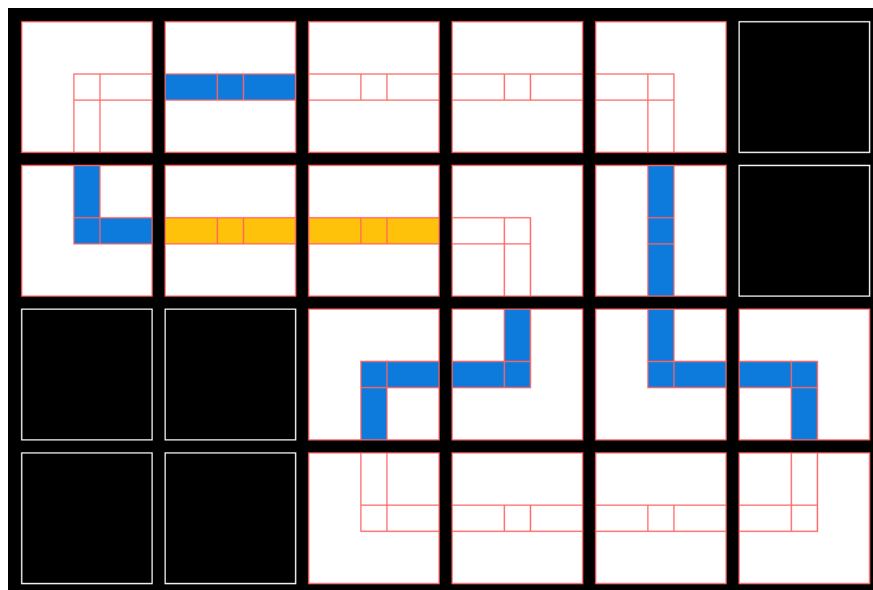
Figure 149: 1-4-T

Move	New State	Result
A1	4-T	Loss
A3	1-4-L	Loss
A3,A4	1-1-1-4	Loss
A3,A4,A5	1-1-4	Loss
A4,A5	1-1-1-4	Loss
A4,B4	1-1-1-4	Loss
A5	1-4-L	Loss
B4	1-3-4	Loss
D3	1-3-T	Win
D3,D4	1-2-T	Loss
D3,D4,D5	1-1-T	Loss
D4	1-1-2-T	Win
D4,D5	1-1-1-T	Loss
D4,D5,D6	1-1-T	Loss
D5	1-1-2-T	Win
D5,D6	1-2-T	Loss
D6	1-3-T	Win

1-5-Lx
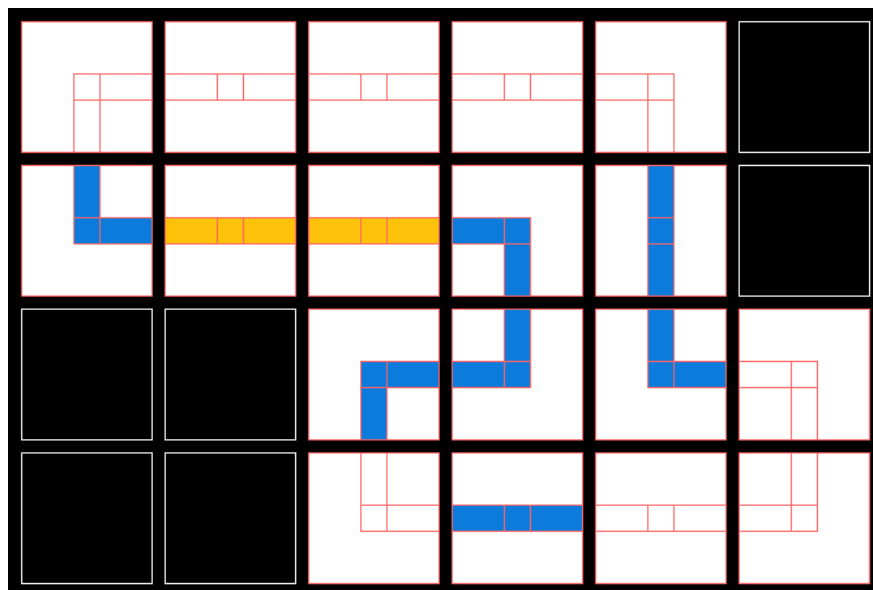
Figure 150: 1-5-Lx

Move	New State	Result
A1	1-4-Lx	Loss
A1,A2	1-3-Lx	Loss
A1,A2,A3	1-2-Lx	Loss
A2	1-1-3-Lx	Loss
A2,A3	1-1-2-Lx	Loss
A2,A3,A4	1-1-1-Lx	Loss
A3	1-2-2-Lx	Loss
A3,A4	1-1-2-Lx	Loss
A3,A4,A5	1-2-Lx	Loss
A4	1-1-3-Lx	Loss
A4,A5	1-3-Lx	Loss
A5	1-4-Lx	Loss
C6	1-2-5	Loss
C6,D6	1-1-5	Loss
D3	5-Lx	Loss
D5	1-2-5	Loss
D5,D6	1-1-5	Loss

1-L-L4x
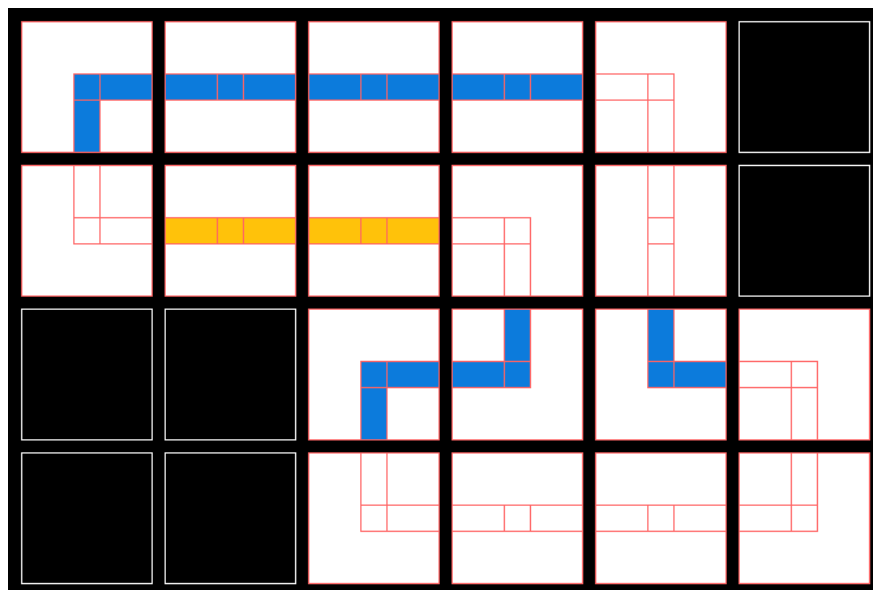
Figure 151: 1-L-L4x

Move	New State	Result
A5	1-2-L4x	Loss
A5,B5	1-1-L4x	Loss
B1	L-L4x	Loss
B4	1-2-L4x	Loss
B4,B5	1-1-L4x	Loss
B5	1-1-1-L4x	Loss
C6	1-4-L	Loss
C6,D6	1-3-L	Loss
D3	1-L-L3x	Loss
D3,D4	1-L-Lx	Loss
D3,D4,D5	1-2-L	Win
D4	1-1-L-Lx	Loss
D4,D5	1-1-2-L	Loss
D4,D5,D6	1-1-1-L	Loss
D5	1-2-2-L	Loss
D5,D6	1-1-2-L	Loss

1-L3x-L3x
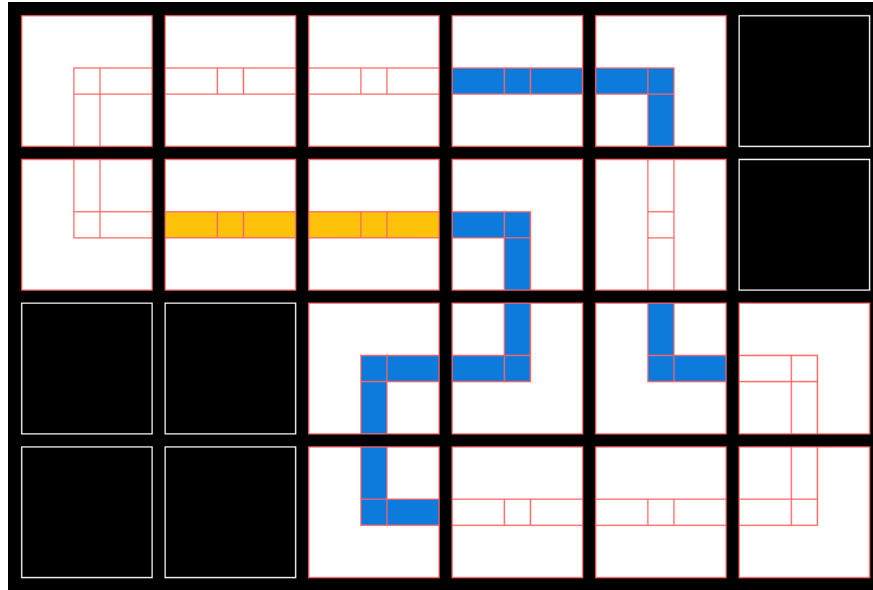
Figure 152: 1-L3x-L3x

Move	New State	Result
A1,A2	1-1-1-L3x	Loss
A1,A2,A3	1-1-L3x	Loss
A1,B1	1-2-L3x	Loss
A2	1-1-2-L3x	Loss
A2,A3	1-2-L3x	Loss
A3	1-L3x-Lx	Loss
B1	1-3-L3x	Loss
B5	L3x-L3x	Win
C6	1-3-L3x	Loss
C6,D6	1-2-L3x	Loss
D4	1-L3x-Lx	Loss
D4,D5	1-2-L3x	Loss
D4,D5,D6	1-1-L3x	Loss
D5	1-1-2-L3x	Loss
D5,D6	1-1-1-L3x	Loss

1-L3x-S
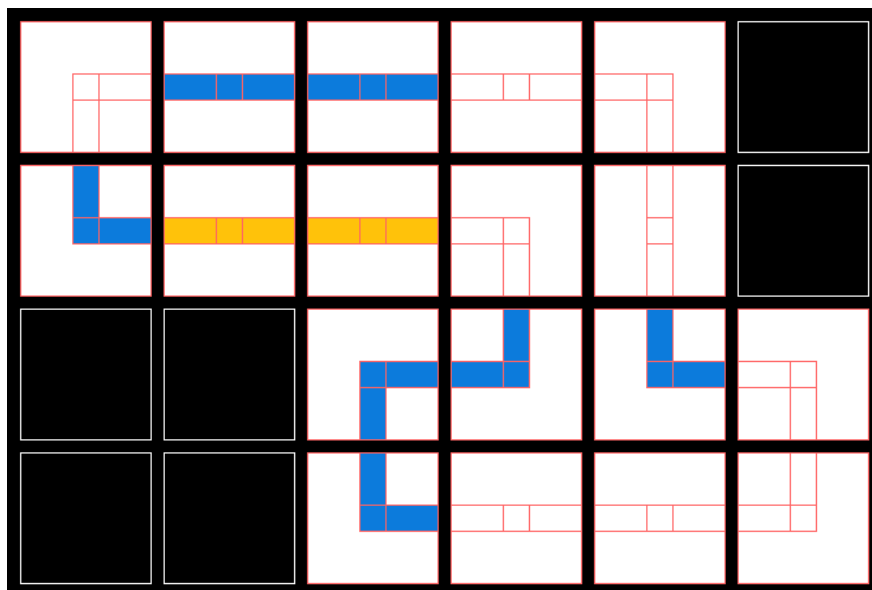
Figure 153: 1-L3x-S

Move	New State	Result
A1	L3x-S	Loss
A4	1-L-L3x	Loss
A4,A5	1-2-L3x	Loss
A4,B4	1-2-L3x	Loss
A5,B5	1-2-L3x	Loss
B4	1-L3x-Lx	Loss
B4,B5	1-2-L3x	Loss
B5	1-L-L3x	Loss
C6	1-3-S	Loss
C6,D6	1-2-S	Loss
D4	1-Lx-S	Win
D4,D5	1-2-S	Loss
D4,D5,D6	1-1-S	Loss
D5	1-1-2-S	Loss
D5,D6	1-1-1-S	Win

1-L3x-T
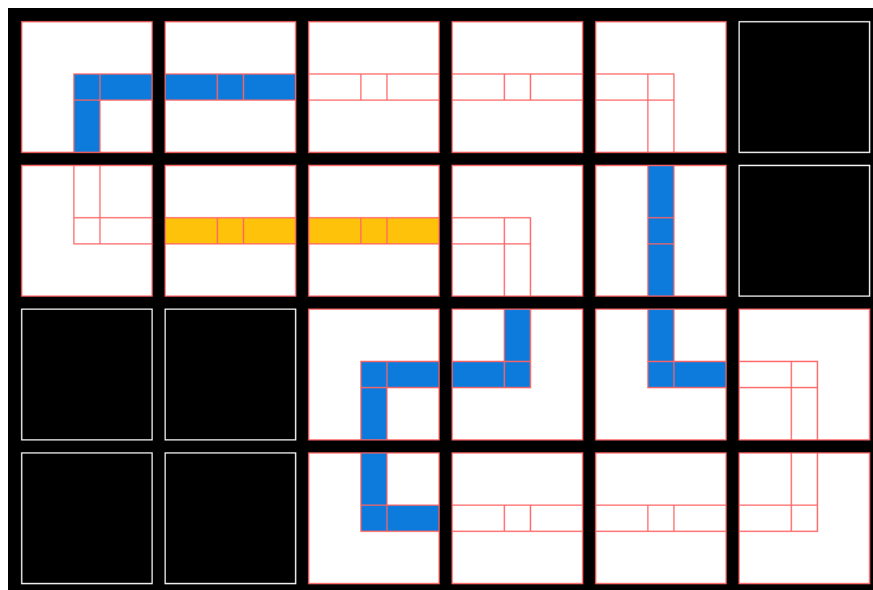
Figure 154: 1-L3x-T

Move	New State	Result
A3	1-L-L3x	Loss
A3,A4	1-1-1-L3x	Loss
A3,A4,A5	1-1-L3x	Loss
A4,A5	1-1-1-L3x	Loss
A4,B4	1-1-1-L3x	Loss
A5	1-L-L3x	Loss
B1	L3x-T	Loss
B4	1-3-L3x	Loss
C6	1-3-T	Win
C6,D6	1-2-T	Loss
D4	1-Lx-T	Loss
D4,D5	1-2-T	Loss
D4,D5,D6	1-1-T	Loss
D5	1-1-2-T	Win
D5,D6	1-1-1-T	Loss

1-L4-Lx
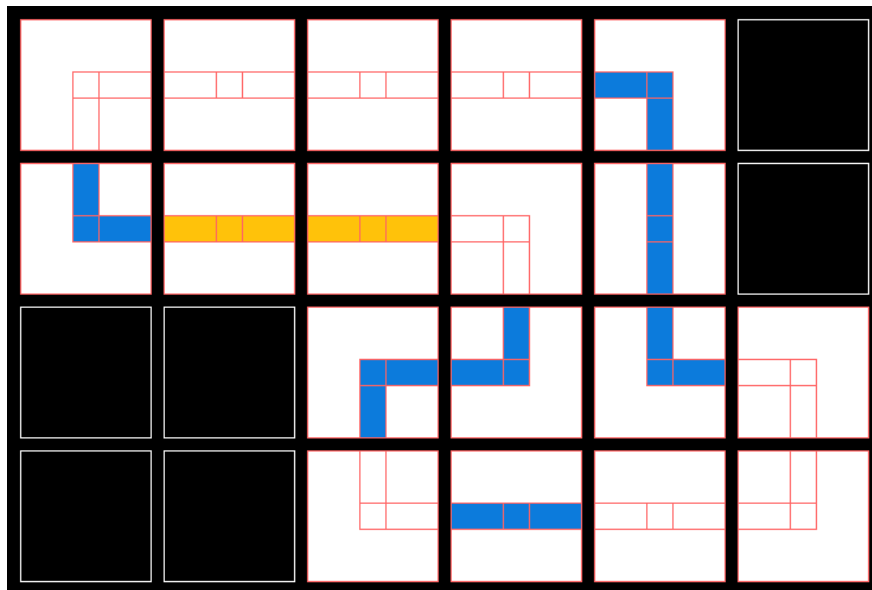
Figure 155: 1-L4-Lx

Move	New State	Result
A1	1-L3-Lx	Loss
A1,A2	1-L-Lx	Loss
A1,A2,A3	1-2-Lx	Loss
A2	1-1-L-Lx	Loss
A2,A3	1-1-2-Lx	Loss
A2,A3,A4	1-1-1-Lx	Loss
A3	1-2-2-Lx	Loss
A3,A4	1-1-2-Lx	Loss
A4	1-1-3-Lx	Loss
A4,B4	1-3-Lx	Loss
B4	1-4-Lx	Loss
C6	1-2-L4	Loss
C6,D6	1-1-L4	Loss
D3	L4-Lx	Loss
D5	1-2-L4	Loss
D5,D6	1-1-L4	Loss

1-L4x-Lx
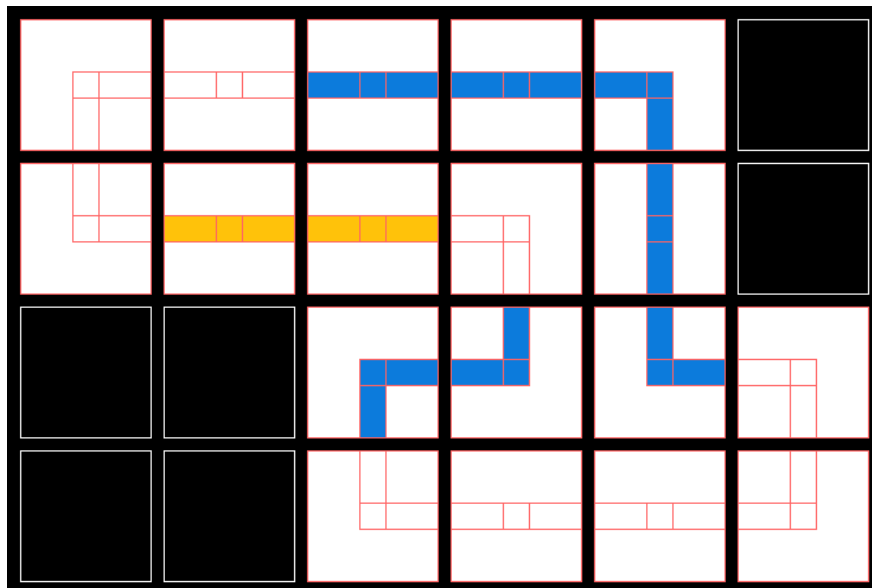
Figure 156: 1-L4x-Lx

Move	New State	Result
A1,A2	1-1-L4x	Loss
A1,B1	1-1-L4x	Loss
A2	1-2-L4x	Loss
B1	1-2-L4x	Loss
B4	L4x-Lx	Loss
C6	1-4-Lx	Loss
C6,D6	1-3-Lx	Loss
D3	1-L3x-Lx	Loss
D3,D4	1-Lx-Lx	Loss
D3,D4,D5	1-2-Lx	Loss
D4	1-1-Lx-Lx	Win
D4,D5	1-1-2-Lx	Loss
D4,D5,D6	1-1-1-Lx	Loss
D5	1-2-2-Lx	Loss
D5,D6	1-1-2-Lx	Loss

1-Lx-S+1
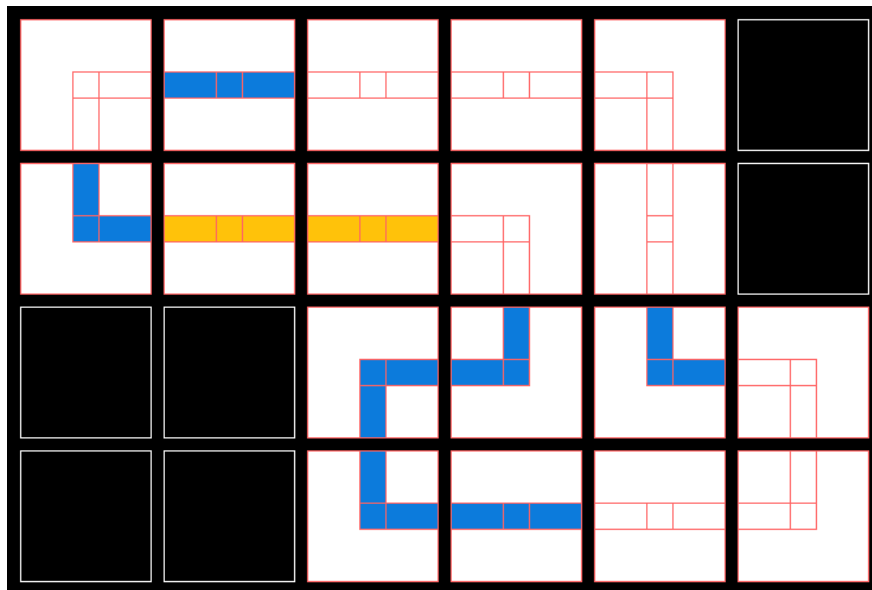
Figure 157: 1-Lx-S+1

Move	New State	Result
A1	Lx-S+1	Win
A3	1-Lx-S	Win
A3,A4	1-L-Lx	Loss
A3,A4,A5	1-2-Lx	Loss
A4,B4	1-1-2-Lx	Loss
A5,B5	1-L-Lx	Loss
B4	1-L3x-Lx	Loss
B4,B5	1-3-Lx	Loss
B5	1-Lx-T	Loss
C6	1-2-S+1	Loss
C6,D6	1-1-S+1	Win
D5	1-2-S+1	Loss
D5,D6	1-1-S+1	Win

1-Lx-T4
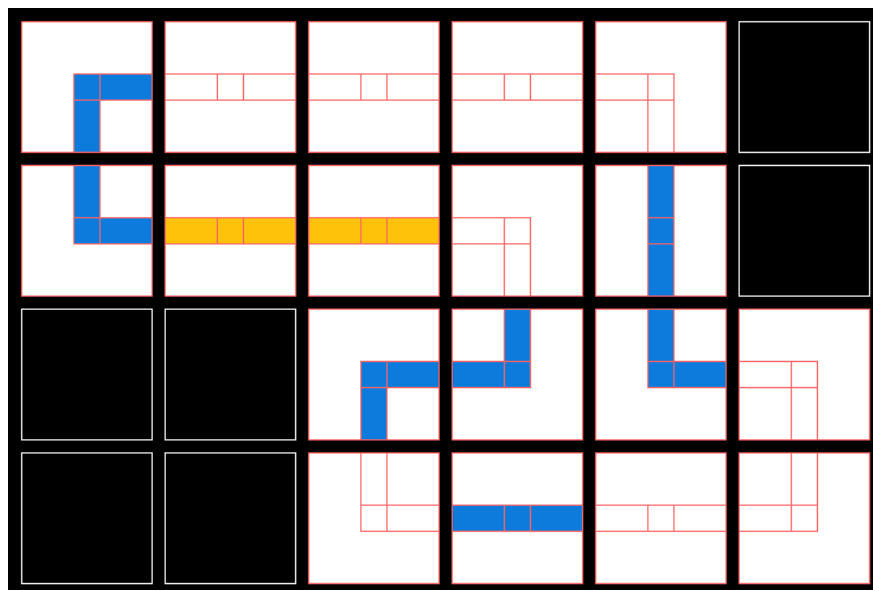
Figure 158: 1-Lx-T4

Move	New State	Result
A2	1-Lx-T	Loss
A2,A3	1-L-Lx	Loss
A2,A3,A4	1-1-1-Lx	Loss
A3	1-1-L-Lx	Loss
A3,A4	1-1-1-1-Lx	Win
A3,A4,A5	1-1-1-Lx	Loss
A4,A5	1-1-2-Lx	Loss
A4,B4	1-1-2-Lx	Loss
A5	1-L3-Lx	Loss
B4	1-4-Lx	Loss
C6	1-2-T4	Loss
C6,D6	1-1-T4	Loss
D3	Lx-T4	Loss
D5	1-2-T4	Loss
D5,D6	1-1-T4	Loss

1-S+L3x
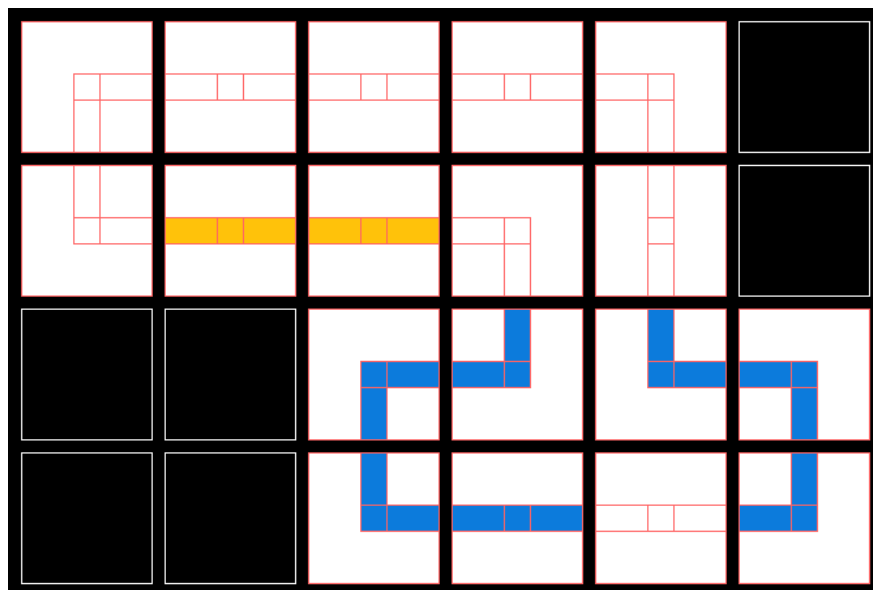
Figure 159: 1-S+L3x

Move	New State	Result
A1,A2	1-1-S+1	Win
A1,A2,A3	1-1-S	Loss
A1,B1	1-S+2	Loss
A2	1-2-S+1	Loss
A2,A3	1-2-S	Loss
A2,A3,A4	1-2-L	Win
A3	1-Lx-S	Win
A3,A4	1-L-Lx	Loss
A3,A4,A5	1-2-Lx	Loss
A4,B4	1-2-L3x	Loss
A5,B5	1-C4	Loss
B1	1-S+3	Loss
B4	1-C5	Loss
B4,B5	1-L5x	Loss
B5	1-C4+1	Loss
D5	S+L3x	Loss

2-2-2-3
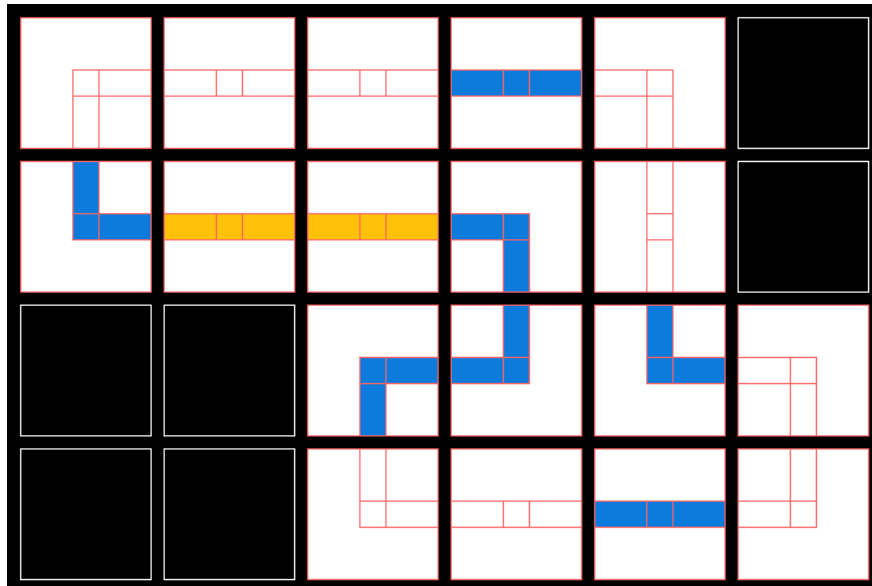
Figure 160: 2-2-2-3

Move	New State	Result
A1	2-2-2-2	Win
A1,A2	1-2-2-2	Loss
A1,A2,A3	2-2-2	Loss
A2	1-1-2-2-2	Loss
A2,A3	1-2-2-2	Loss
A3	2-2-2-2	Win
A5	1-2-2-3	Loss
A5,B5	2-2-3	Loss
B5	1-2-2-3	Loss
C6	1-2-2-3	Loss
C6,D6	2-2-3	Loss
D3	1-2-2-3	Loss
D3,D4	2-2-3	Loss
D4	1-2-2-3	Loss
D6	1-2-2-3	Loss

2-2-2-L
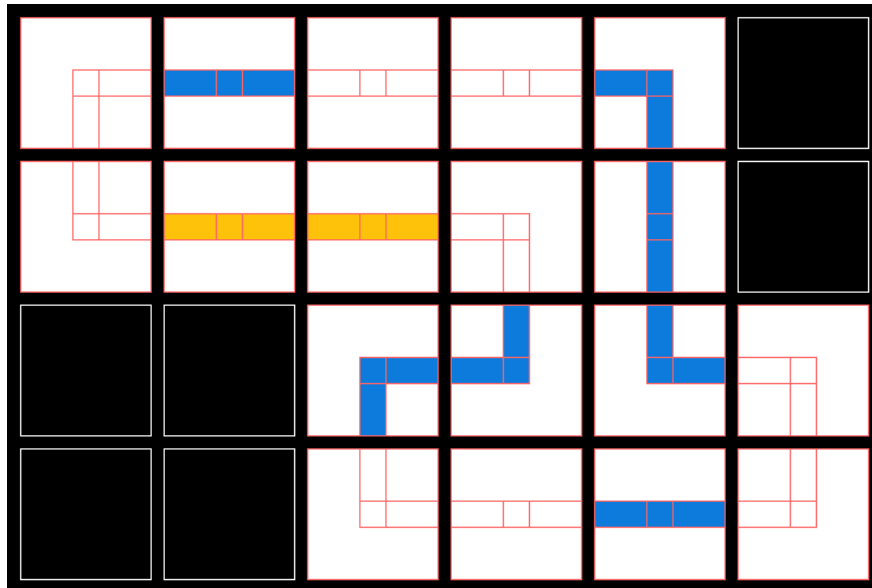
Figure 161: 2-2-2-L

Move	New State	Result
A1	1-2-2-L	Loss
A1,B1	2-2-L	Loss
A3	2-2-2-2	Win
A3,A4	1-2-2-2	Loss
A4	1-1-2-2-2	Loss
A4,B4	1-2-2-2	Loss
B1	1-2-2-L	Loss
B4	2-2-2-2	Win
C6	1-2-2-L	Loss
C6,D6	2-2-L	Loss
D3	1-2-2-L	Loss
D3,D4	2-2-L	Loss
D4	1-2-2-L	Loss
D6	1-2-2-L	Loss

2-2-2-Lx
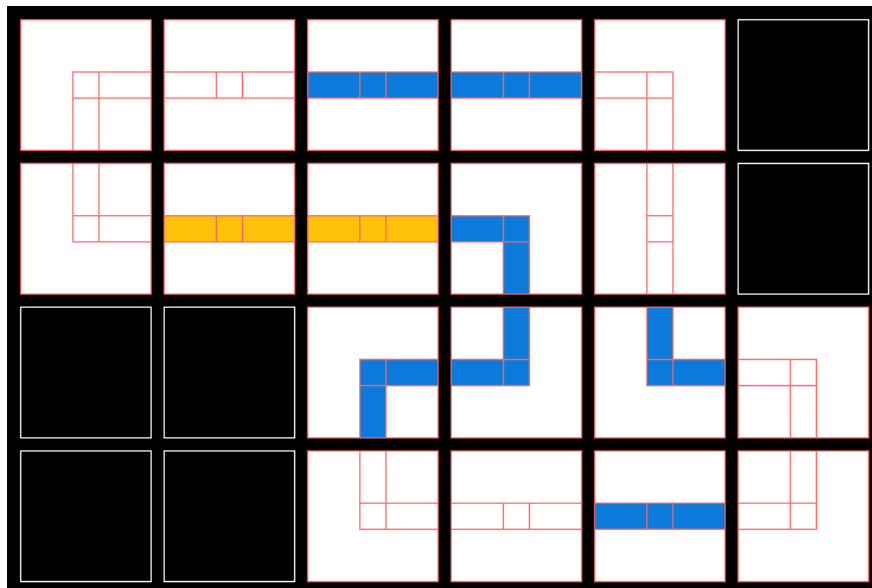
Figure 162: 2-2-2-Lx

Move	New State	Result
A1,A2	1-2-2-2	Loss
A1,B1	1-2-2-2	Loss
A2	2-2-2-2	Win
A5	1-2-2-Lx	Loss
A5,B5	2-2-Lx	Win
B1	2-2-2-2	Win
B5	1-2-2-Lx	Loss
C6	1-2-2-Lx	Loss
C6,D6	2-2-Lx	Win
D3	1-2-2-Lx	Loss
D3,D4	2-2-Lx	Win
D4	1-2-2-Lx	Loss
D6	1-2-2-Lx	Loss

2-2-5
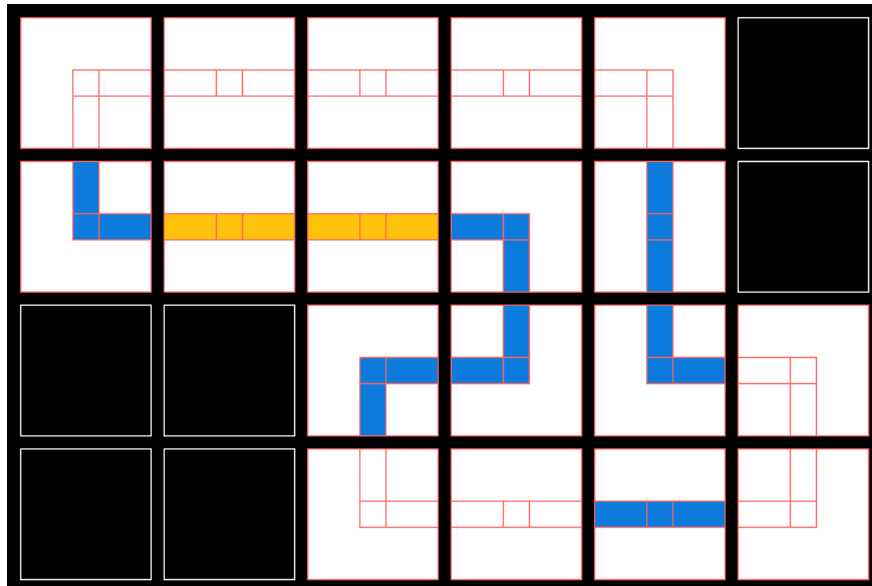
Figure 163: 2-2-5

Move	New State	Result
A1	2-2-4	Loss
A1,A2	2-2-3	Loss
A1,A2,A3	2-2-2	Loss
A2	1-2-2-3	Loss
A2,A3	1-2-2-2	Loss
A2,A3,A4	1-1-2-2	Win
A3	2-2-2-2	Win
A3,A4	1-2-2-2	Loss
A3,A4,A5	2-2-2	Loss
A4	1-2-2-3	Loss
A4,A5	2-2-3	Loss
A5	2-2-4	Loss
C6	1-2-5	Loss
C6,D6	2-5	Loss
D3	1-2-5	Loss
D3,D4	2-5	Loss
D4	1-2-5	Loss
D6	1-2-5	Loss

2-2-L4
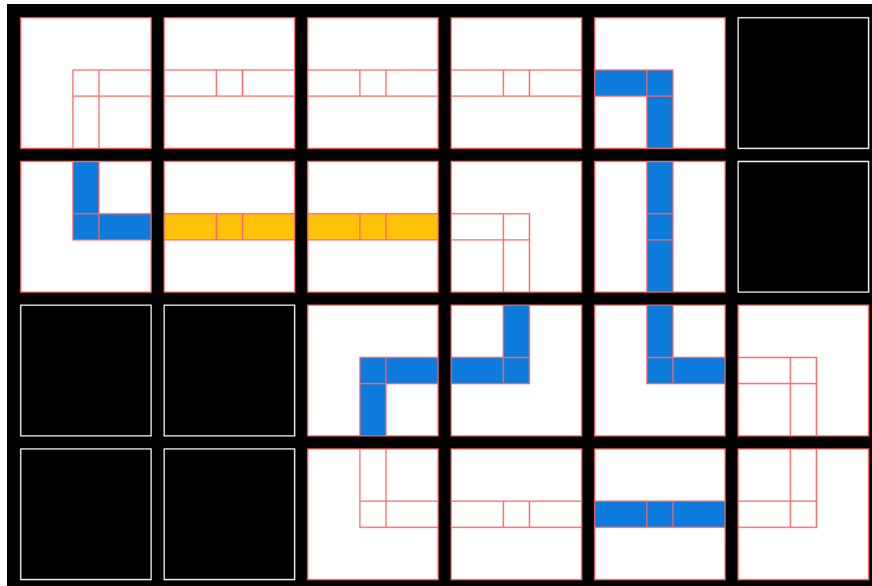
Figure 164: 2-2-L4

Move	New State	Result
A1	2-2-L3	Loss
A1,A2	2-2-L	Loss
A1,A2,A3	2-2-2	Loss
A2	1-2-2-L	Loss
A2,A3	1-2-2-2	Loss
A2,A3,A4	1-1-2-2	Win
A3	2-2-2-2	Win
A3,A4	1-2-2-2	Loss
A4	1-2-2-3	Loss
A4,B4	2-2-3	Loss
B4	2-2-4	Loss
C6	1-2-L4	Loss
C6,D6	2-L4	Loss
D3	1-2-L4	Loss
D3,D4	2-L4	Loss
D4	1-2-L4	Loss
D6	1-2-L4	Loss

2-2-L4x
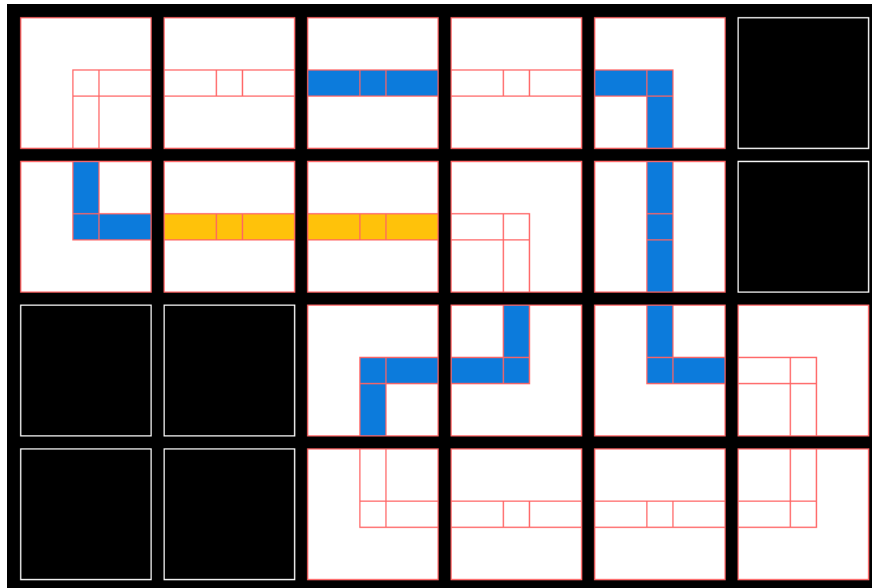
Figure 165: 2-2-L4x

Move	New State	Result
A1	1-2-L4x	Loss
A1,A2	2-L4x	Loss
A2	1-2-L4x	Loss
A4	1-2-L4x	Loss
A4,B4	2-L4x	Loss
B4	1-2-L4x	Loss
C6	2-2-4	Loss
C6,D6	2-2-3	Loss
D3	2-2-L3x	Loss
D3,D4	2-2-Lx	Win
D3,D4,D5	2-2-2	Loss
D4	1-2-2-Lx	Loss
D4,D5	1-2-2-2	Loss
D4,D5,D6	1-1-2-2	Win
D5	2-2-2-2	Win
D5,D6	1-2-2-2	Loss

2-2-S+1
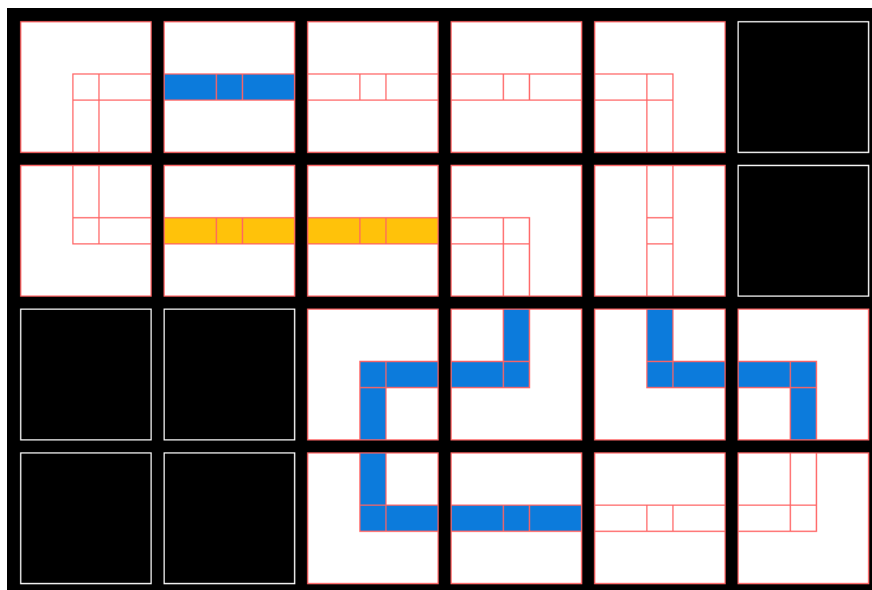
Figure 166: 2-2-S+1

Move	New State	Result
A1	1-2-S+1	Loss
A1,B1	2-S+1	Loss
A3	2-2-S	Loss
A3,A4	2-2-L	Loss
A3,A4,A5	2-2-2	Loss
A4,B4	1-2-2-2	Loss
A5,B5	2-2-L	Loss
B1	1-2-S+1	Loss
B4	2-2-L3x	Loss
B4,B5	2-2-3	Loss
B5	2-2-T	Loss
D5	1-2-S+1	Loss
D5,D6	2-S+1	Loss
D6	1-2-S+1	Loss

2-2-T4
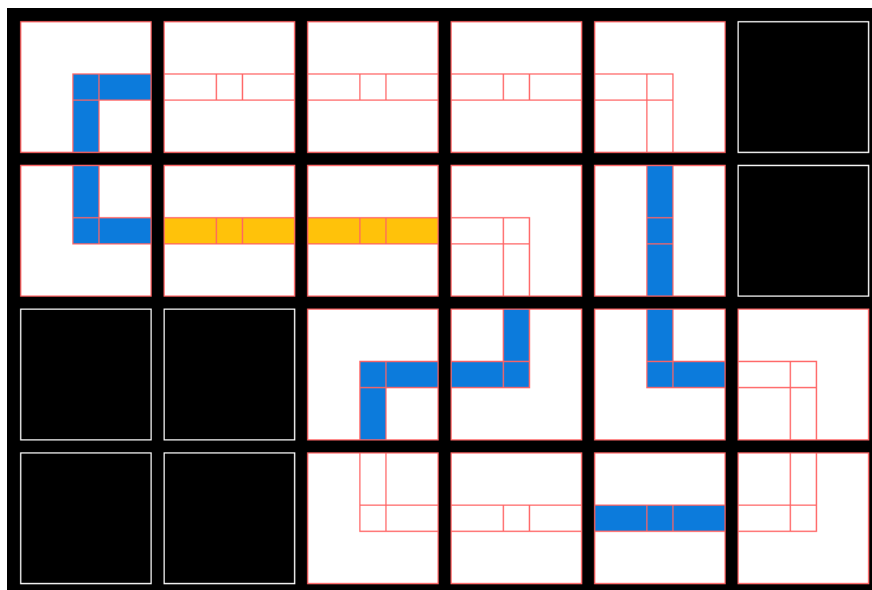
Figure 167: 2-2-T4

Move	New State	Result
A2	2-2-T	Loss
A2,A3	2-2-L	Loss
A2,A3,A4	1-1-2-2	Win
A3	1-2-2-L	Loss
A3,A4	1-1-1-2-2	Loss
A3,A4,A5	1-1-2-2	Win
A4,A5	1-2-2-2	Loss
A4,B4	1-2-2-2	Loss
A5	2-2-L3	Loss
B4	2-2-4	Loss
C6	1-2-T4	Loss
C6,D6	2-T4	Loss
D3	1-2-T4	Loss
D3,D4	2-T4	Loss
D4	1-2-T4	Loss
D6	1-2-T4	Loss

2-3-4
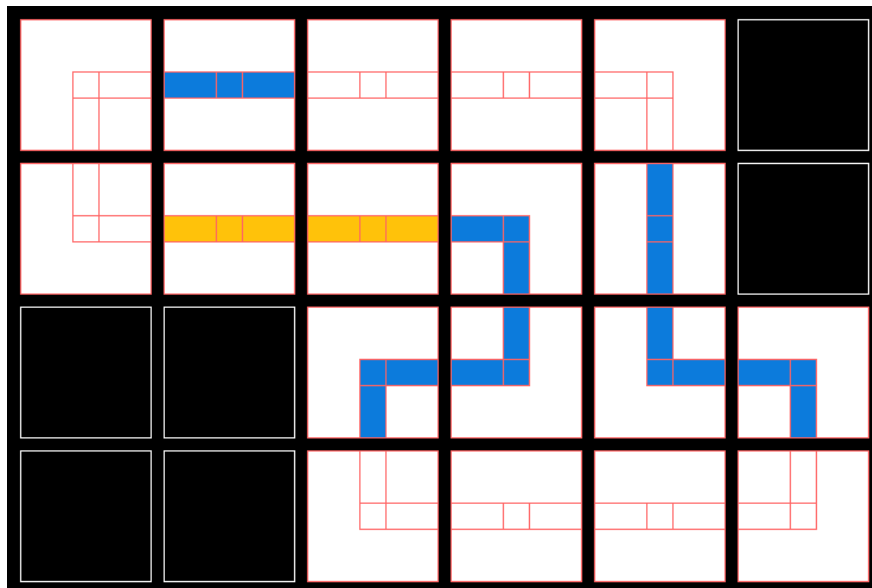
Figure 168: 2-3-4

Move	New State	Result
A1	1-3-4	Loss
A1,B1	3-4	Loss
A3	2-2-4	Loss
A3,A4	1-2-4	Loss
A3,A4,A5	2-4	Loss
A4	1-1-2-4	Loss
A4,A5	1-2-4	Loss
A5	2-2-4	Loss
B1	1-3-4	Loss
D3	2-3-3	Loss
D3,D4	2-2-3	Loss
D3,D4,D5	1-2-3	Win
D4	1-2-2-3	Loss
D4,D5	1-1-2-3	Loss
D4,D5,D6	1-2-3	Win
D5	1-2-2-3	Loss
D5,D6	2-2-3	Loss
D6	2-3-3	Loss

2-3-L3x
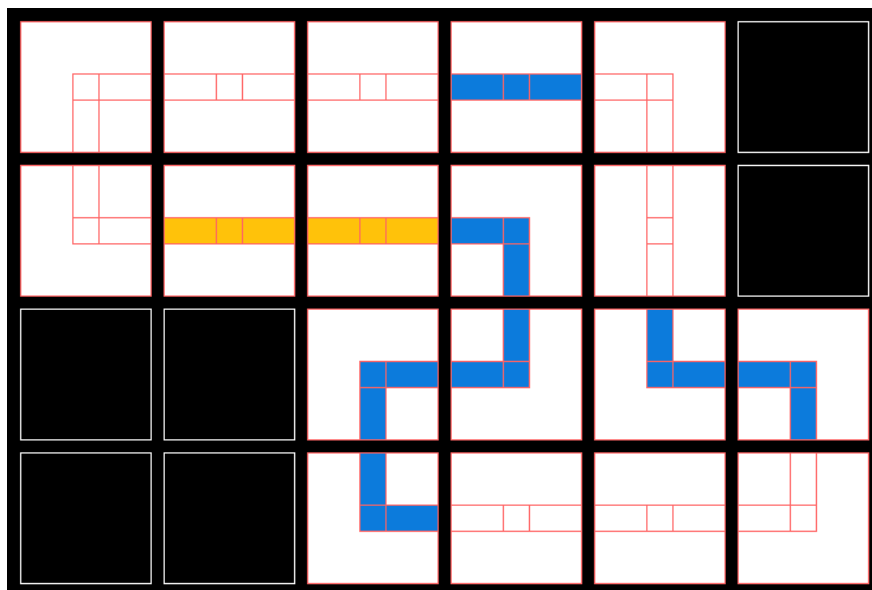
Figure 169: 2-3-L3x

Move	New State	Result
A1,A2	1-1-2-3	Loss
A1,A2,A3	1-2-3	Win
A1,B1	2-2-3	Loss
A2	1-2-2-3	Loss
A2,A3	2-2-3	Loss
A3	2-3-Lx	Loss
A5	1-3-L3x	Loss
A5,B5	3-L3x	Loss
B1	2-3-3	Loss
B5	1-3-L3x	Loss
D4	2-2-L3x	Loss
D4,D5	1-2-L3x	Loss
D4,D5,D6	2-L3x	Loss
D5	1-1-2-L3x	Loss
D5,D6	1-2-L3x	Loss
D6	2-2-L3x	Loss

2-3-S
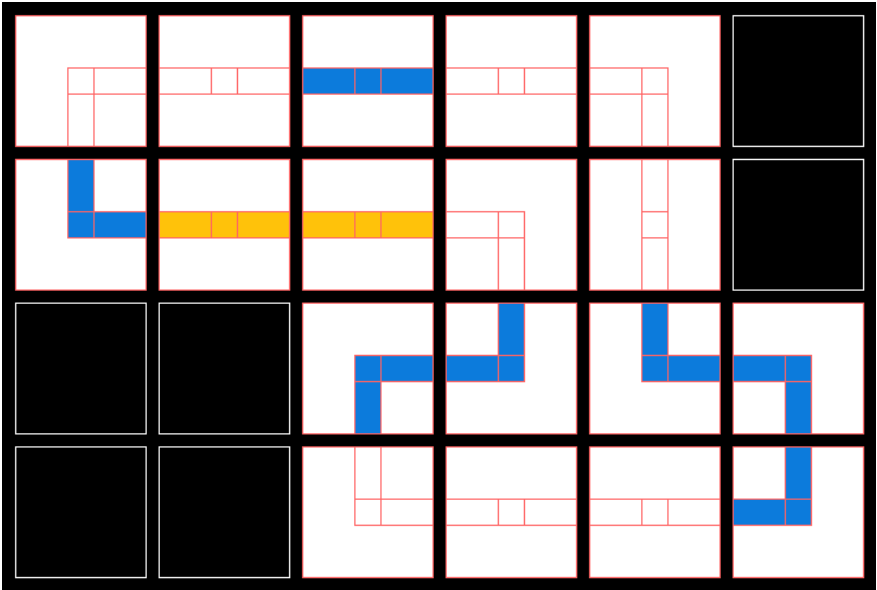
Figure 170: 2-3-S

Move	New State	Result
A1	1-3-S	Loss
A1,A2	3-S	Loss
A2	1-3-S	Loss
A4	2-3-L	Loss
A4,A5	2-2-3	Loss
A4,B4	2-2-3	Loss
A5,B5	2-2-3	Loss
B4	2-3-Lx	Loss
B4,B5	2-2-3	Loss
B5	2-3-L	Loss
D3	2-2-S	Loss
D3,D4	1-2-S	Loss
D3,D4,D5	2-S	Loss
D4	1-1-2-S	Loss
D4,D5	1-2-S	Loss
D5	2-2-S	Loss

2-3-T
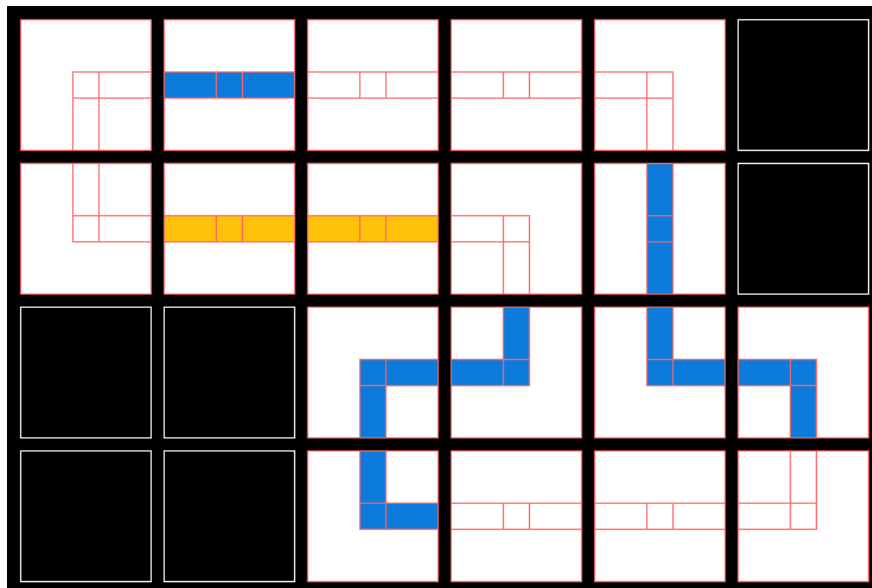
Figure 171: 2-3-T

Move	New State	Result
A1	1-3-T	Win
A1,B1	3-T	Loss
A3	2-3-L	Loss
A3,A4	1-1-2-3	Loss
A3,A4,A5	1-2-3	Win
A4,A5	1-1-2-3	Loss
A4,B4	1-1-2-3	Loss
A5	2-3-L	Loss
B1	1-3-T	Win
B4	2-3-3	Loss
D4	2-2-T	Loss
D4,D5	1-2-T	Loss
D4,D5,D6	2-T	Win
D5	1-1-2-T	Win
D5,D6	1-2-T	Loss
D6	2-2-T	Loss

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2-4-L
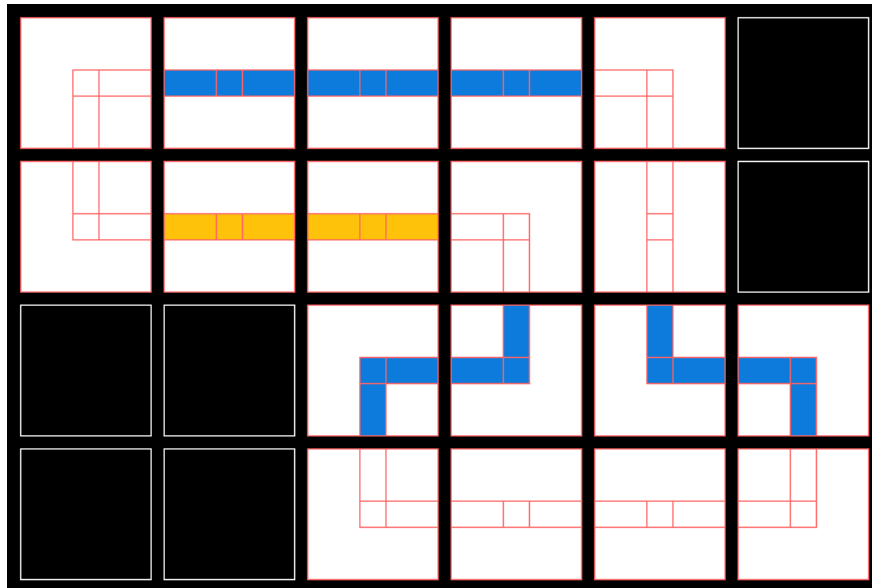
Figure 172: 2-4-L

Move	New State	Result
A1	1-4-L	Loss
A1,B1	4-L	Loss
A5	2-2-4	Loss
A5,B5	1-2-4	Loss
B1	1-4-L	Loss
B4	2-2-4	Loss
B4,B5	1-2-4	Loss
B5	1-1-2-4	Loss
D3	2-3-L	Loss
D3,D4	2-2-L	Loss
D3,D4,D5	1-2-L	Win
D4	1-2-2-L	Loss
D4,D5	1-1-2-L	Loss
D4,D5,D6	1-2-L	Win
D5	1-2-2-L	Loss
D5,D6	2-2-L	Loss
D6	2-3-L	Loss

2-4-Lx
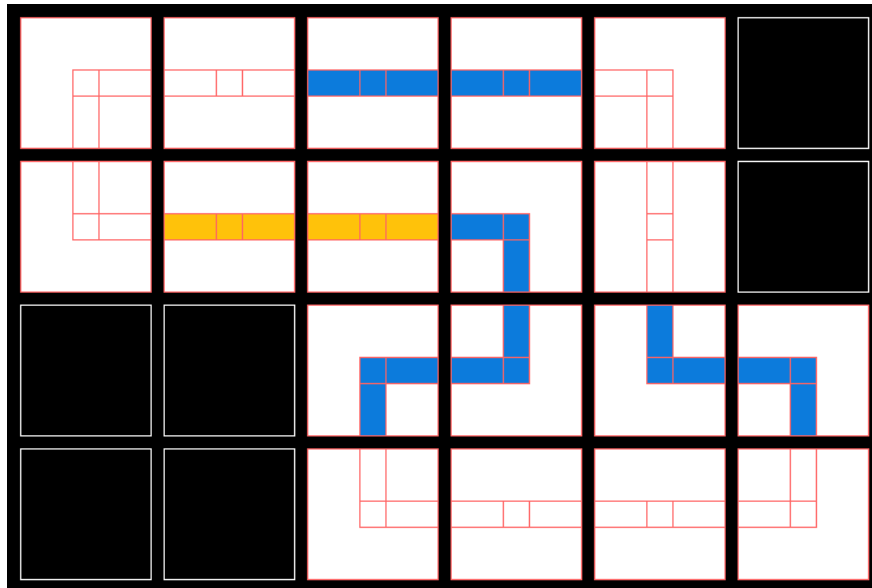
Figure 173: 2-4-Lx

Move	New State	Result
A1,A2	1-2-4	Loss
A1,B1	1-2-4	Loss
A2	2-2-4	Loss
A5	1-4-Lx	Loss
A5,B5	4-Lx	Loss
B1	2-2-4	Loss
B5	1-4-Lx	Loss
D3	2-3-Lx	Loss
D3,D4	2-2-Lx	Win
D3,D4,D5	1-2-Lx	Loss
D4	1-2-2-Lx	Loss
D4,D5	1-1-2-Lx	Loss
D4,D5,D6	1-2-Lx	Loss
D5	1-2-2-Lx	Loss
D5,D6	2-2-Lx	Win
D6	2-3-Lx	Loss

2-C4+1
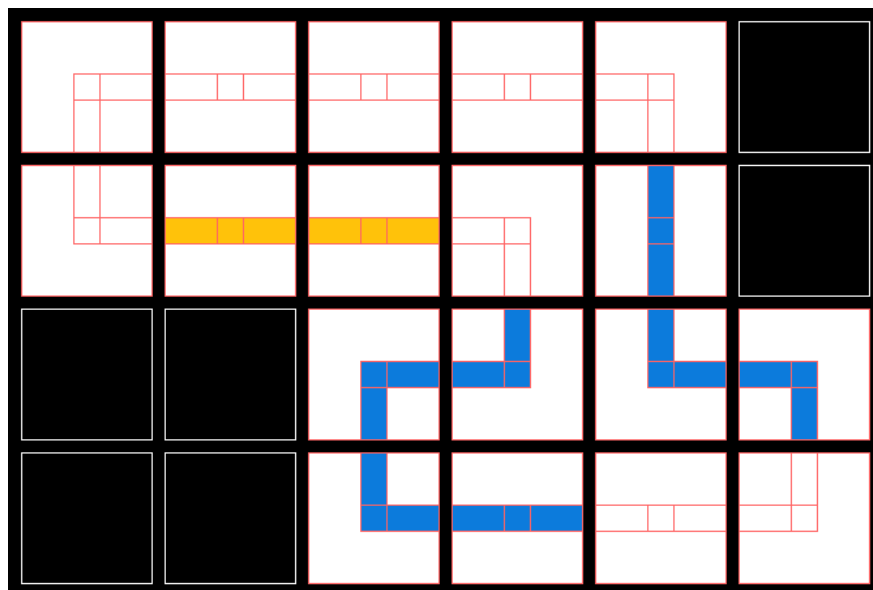
Figure 174: 2-C4+1

Move	New State	Result
A1,A2	1-2-T	Loss
A1,A2,A3	1-2-L	Win
A1,B1	2-T4	Loss
A2	2-2-T	Loss
A2,A3	2-2-L	Loss
A2,A3,A4	1-1-2-2	Win
A3	2-L-Lx	Loss
A3,A4	1-1-2-Lx	Loss
A3,A4,A5	1-2-Lx	Loss
A4,A5	1-2-L3x	Loss
A4,B4	1-2-L3x	Loss
A5	2-C4	Loss
B1	2-T5	Loss
B4	2-L5x	Loss
D5	1-C4+1	Loss
D5,D6	C4+1	Loss
D6	1-C4+1	Loss

2-C5
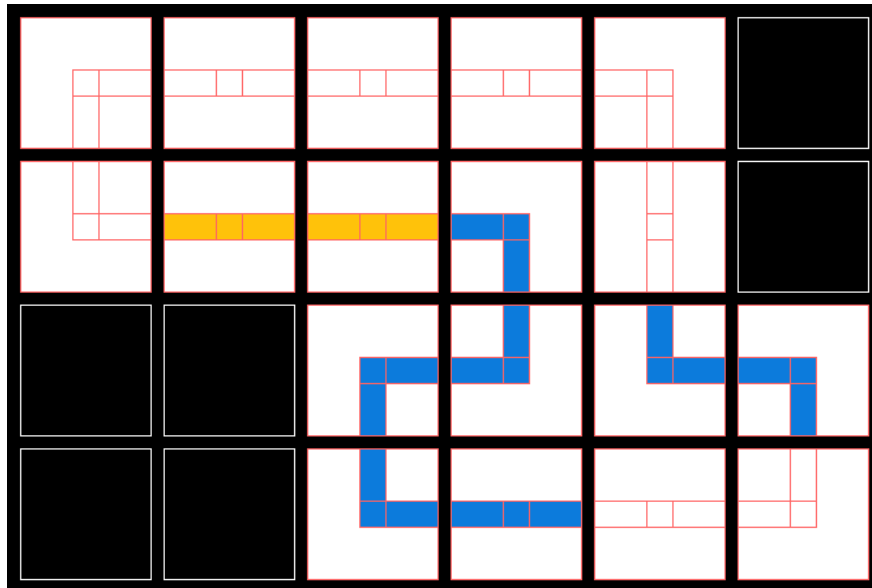
Figure 175: 2-C5

Move	New State	Result
A1,A2	1-2-L3x	Loss
A1,A2,A3	1-2-Lx	Loss
A1,B1	2-L4x	Loss
A2	2-2-L3x	Loss
A2,A3	2-2-Lx	Win
A2,A3,A4	2-2-2	Loss
A3	2-Lx-Lx	Loss
A3,A4	2-2-Lx	Win
A3,A4,A5	1-2-Lx	Loss
A4	2-2-L3x	Loss
A4,A5	1-2-L3x	Loss
A5,B5	2-L4x	Loss
B1	2-L5x	Loss
B5	2-L5x	Loss
D5	1-C5	Loss
D5,D6	C5	Loss
D6	1-C5	Loss

2-L-L3x
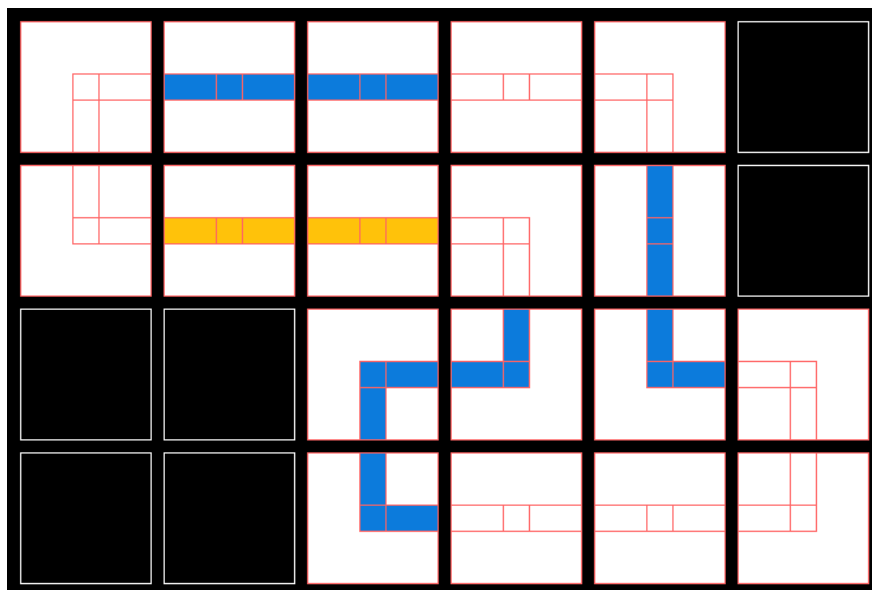
Figure 176: 2-L-L3x

Move	New State	Result
A1	1-L-L3x	Loss
A1,B1	L-L3x	Loss
A4	1-1-2-L3x	Loss
A4,A5	1-2-L3x	Loss
A4,B4	1-2-L3x	Loss
A5	2-2-L3x	Loss
B1	1-L-L3x	Loss
B4	2-2-L3x	Loss
C6	2-3-L	Loss
C6,D6	2-2-L	Loss
D4	2-L-Lx	Loss
D4,D5	2-2-L	Loss
D4,D5,D6	1-2-L	Win
D5	1-2-2-L	Loss
D5,D6	1-1-2-L	Loss

2-L3x-Lx
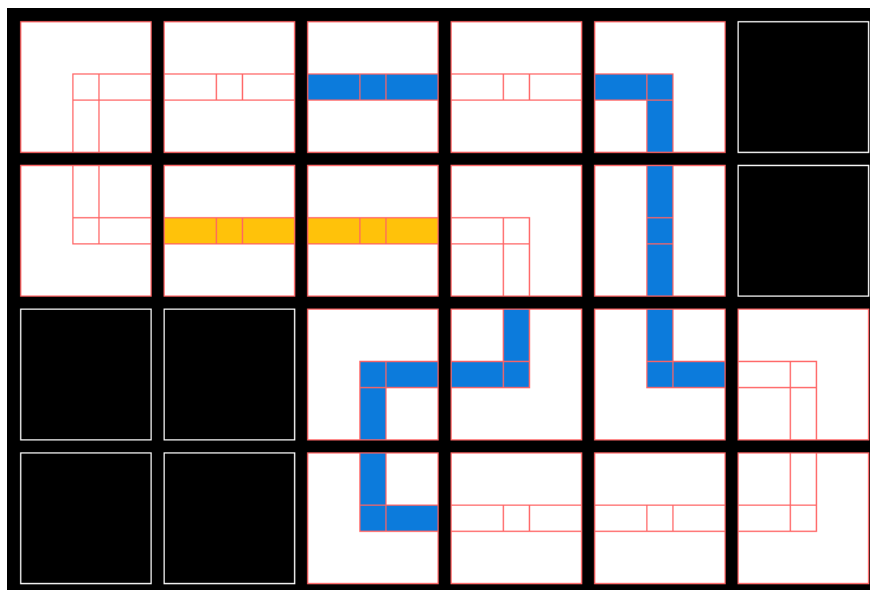
Figure 177: 2-L3x-Lx

Move	New State	Result
A1,A2	1-2-L3x	Loss
A1,B1	1-2-L3x	Loss
A2	2-2-L3x	Loss
A4	1-L3x-Lx	Loss
A4,B4	L3x-Lx	Loss
B1	2-2-L3x	Loss
B4	1-L3x-Lx	Loss
C6	2-3-Lx	Loss
C6,D6	2-2-Lx	Win
D4	2-Lx-Lx	Loss
D4,D5	2-2-Lx	Win
D4,D5,D6	1-2-Lx	Loss
D5	1-2-2-Lx	Loss
D5,D6	1-1-2-Lx	Loss

2-Lx-S
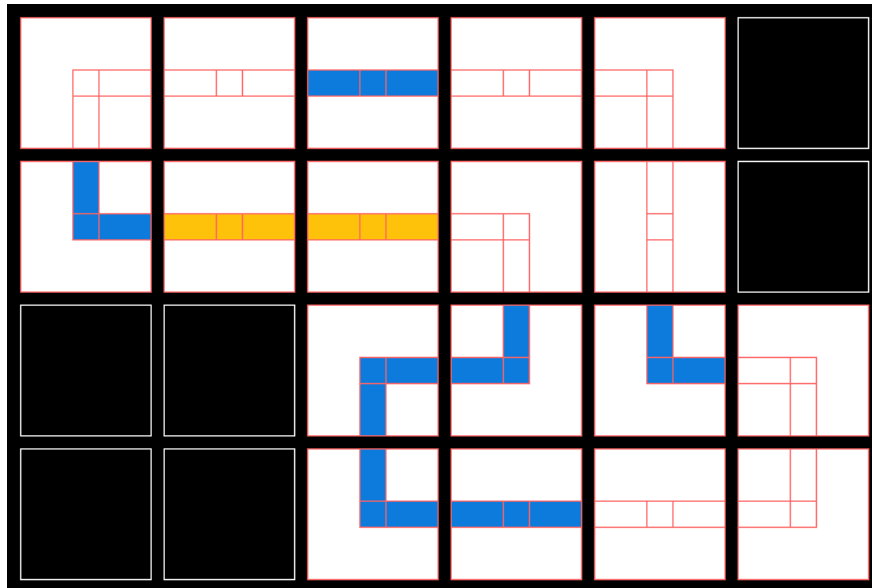
Figure 178: 2-Lx-S

Move	New State	Result
A1	1-Lx-S	Win
A1,A2	Lx-S	Loss
A2	1-Lx-S	Win
A4	2-L-Lx	Loss
A4,A5	2-2-Lx	Win
A4,B4	2-2-Lx	Win
A5,B5	2-2-Lx	Win
B4	2-Lx-Lx	Loss
B4,B5	2-2-Lx	Win
B5	2-L-Lx	Loss
C6	2-2-S	Loss
C6,D6	1-2-S	Loss
D5	2-2-S	Loss
D5,D6	1-2-S	Loss

2-Lx-T
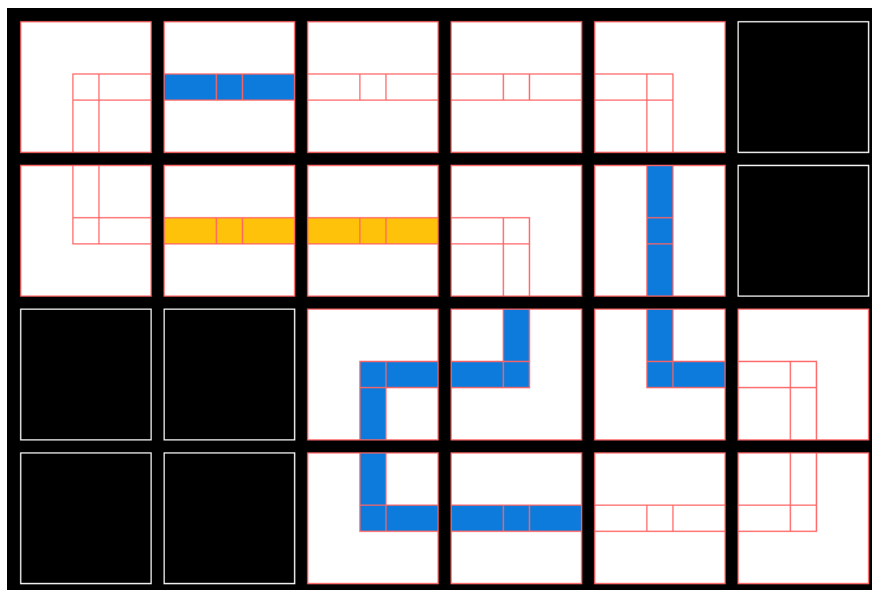
Figure 179: 2-Lx-T

Move	New State	Result
A1	1-Lx-T	Loss
A1,B1	Lx-T	Loss
A3	2-L-Lx	Loss
A3,A4	1-1-2-Lx	Loss
A3,A4,A5	1-2-Lx	Loss
A4,A5	1-1-2-Lx	Loss
A4,B4	1-1-2-Lx	Loss
A5	2-L-Lx	Loss
B1	1-Lx-T	Loss
B4	2-3-Lx	Loss
C6	2-2-T	Loss
C6,D6	1-2-T	Loss
D5	2-2-T	Loss
D5,D6	1-2-T	Loss

2-S+3
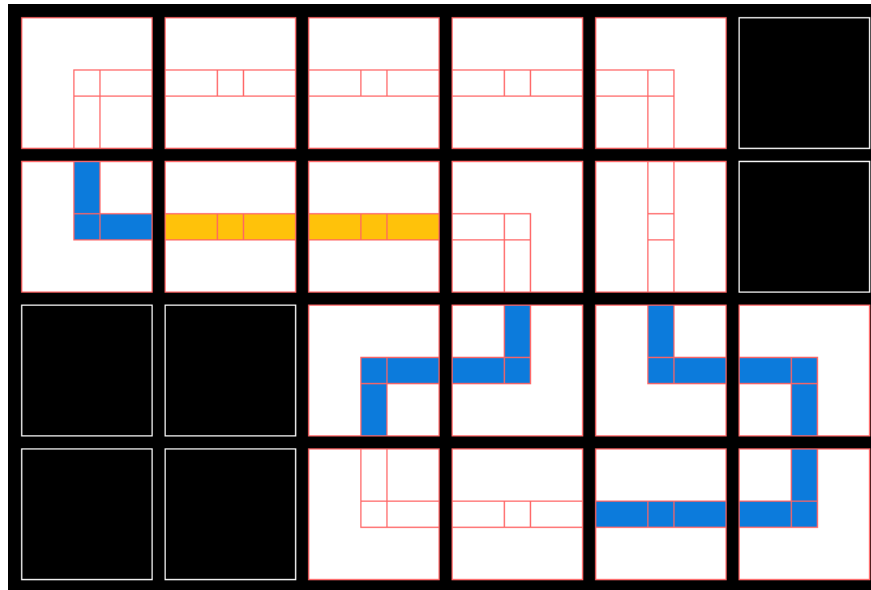
Figure 180: 2-S+3

Move	New State	Result
A1	2-S+2	Loss
A1,A2	2-S+1	Loss
A1,A2,A3	2-S	Loss
A2	1-2-S+1	Loss
A2,A3	1-2-S	Loss
A2,A3,A4	1-2-L	Win
A3	2-2-S	Loss
A3,A4	2-2-L	Loss
A3,A4,A5	2-2-2	Loss
A4,B4	2-2-3	Loss
A5,B5	2-L4	Loss
B4	2-L5x	Loss
B4,B5	2-5	Loss
B5	2-T5	Loss
D3	1-S+3	Loss
D3,D4	S+3	Loss
D4	1-S+3	Loss
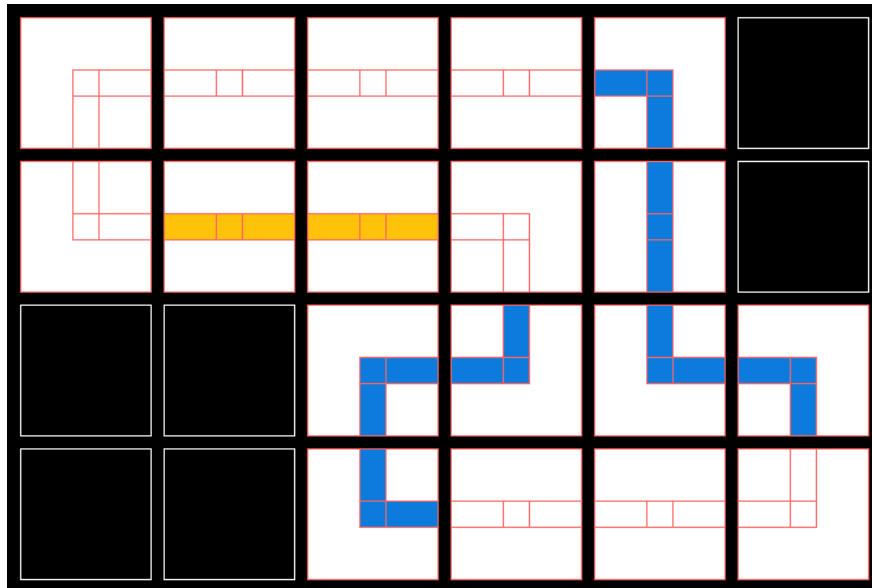
Figure 181: 3-C4

Move	New State	Result
A1,A2	1-3-L	Loss
A1,A2,A3	1-2-3	Win
A1,B1	3-L3	Loss
A2	2-3-L	Loss
A2,A3	2-2-3	Loss
A2,A3,A4	1-2-3	Win
A3	2-3-Lx	Loss
A3,A4	1-3-Lx	Loss
A4	1-3-L3x	Loss
A4,B4	3-L3x	Loss
B1	3-L4	Loss
B4	3-L4x	Loss
D4	2-C4	Loss
D4,D5	1-C4	Loss
D4,D5,D6	C4	Loss
D5	1-1-C4	Loss
D5,D6	1-C4	Loss
D6	2-C4	Loss

3-L-Lx
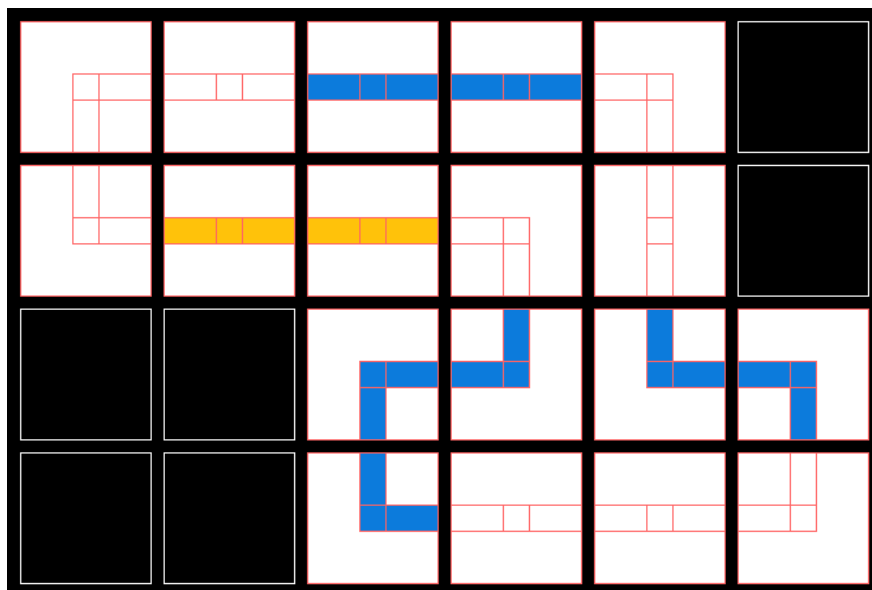
Figure 182: 3-L-Lx

Move	New State	Result
A1,A2	1-3-L	Loss
A1,B1	1-3-L	Loss
A2	2-3-L	Loss
A5	2-3-Lx	Loss
A5,B5	1-3-Lx	Loss
B1	2-3-L	Loss
B4	2-3-Lx	Loss
B4,B5	1-3-Lx	Loss
B5	1-1-3-Lx	Loss
D4	2-L-Lx	Loss
D4,D5	1-L-Lx	Loss
D4,D5,D6	L-Lx	Loss
D5	1-1-L-Lx	Loss
D5,D6	1-L-Lx	Loss
D6	2-L-Lx	Loss

3-L5x
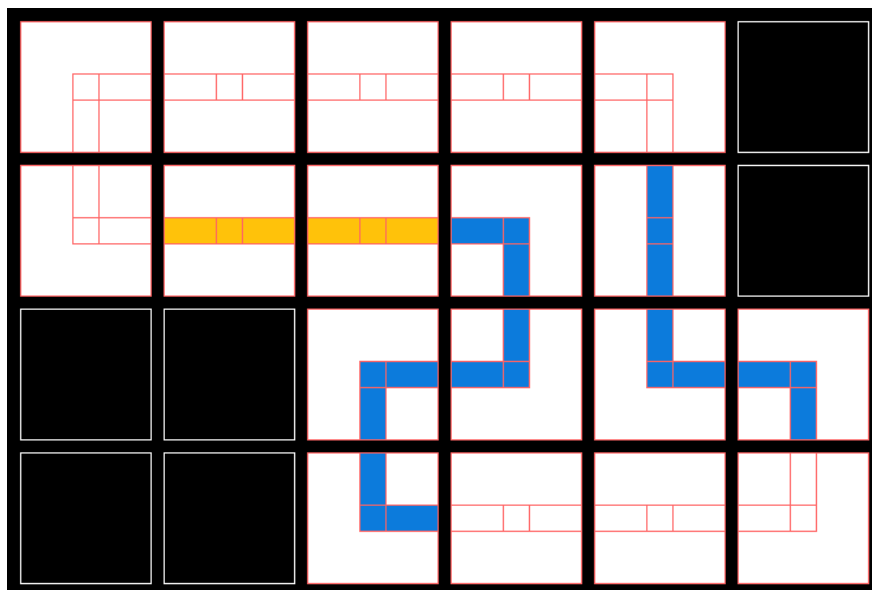
Figure 183: 3-L5x

Move	New State	Result
A1,A2	1-3-3	Loss
A1,A2,A3	1-2-3	Win
A1,B1	3-4	Loss
A2	2-3-3	Loss
A2,A3	2-2-3	Loss
A2,A3,A4	1-2-3	Win
A3	2-3-Lx	Loss
A3,A4	1-3-Lx	Loss
A3,A4,A5	3-Lx	Loss
A4	1-3-L3x	Loss
A4,A5	3-L3x	Loss
A5	3-L4x	Loss
B1	3-5	Loss
D4	2-L5x	Loss
D4,D5	1-L5x	Loss
D4,D5,D6	L5x	Loss
D5	1-1-L5x	Loss
D5,D6	1-L5x	Loss
D6	2-L5x	Loss

3-Lx-Lx
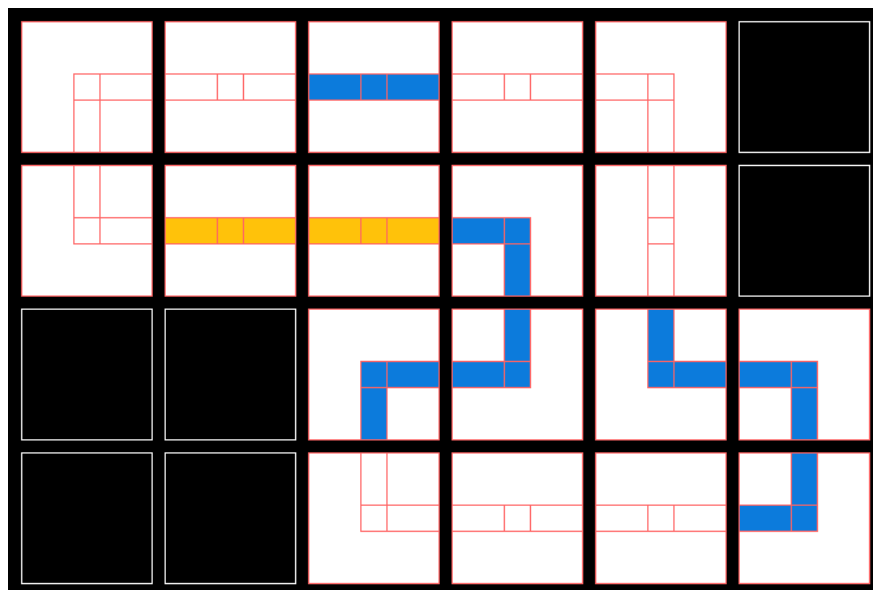
Figure 184: 3-Lx-Lx

Move	New State	Result
A1,A2	1-3-Lx	Loss
A1,B1	1-3-Lx	Loss
A2	2-3-Lx	Loss
A4	2-3-Lx	Loss
A4,A5	1-3-Lx	Loss
A5,B5	1-3-Lx	Loss
B1	2-3-Lx	Loss
B5	2-3-Lx	Loss
D3	2-Lx-Lx	Loss
D3,D4	1-Lx-Lx	Loss
D3,D4,D5	Lx-Lx	Win
D4	1-1-Lx-Lx	Win
D4,D5	1-Lx-Lx	Loss
D5	2-Lx-Lx	Loss

3-S+2
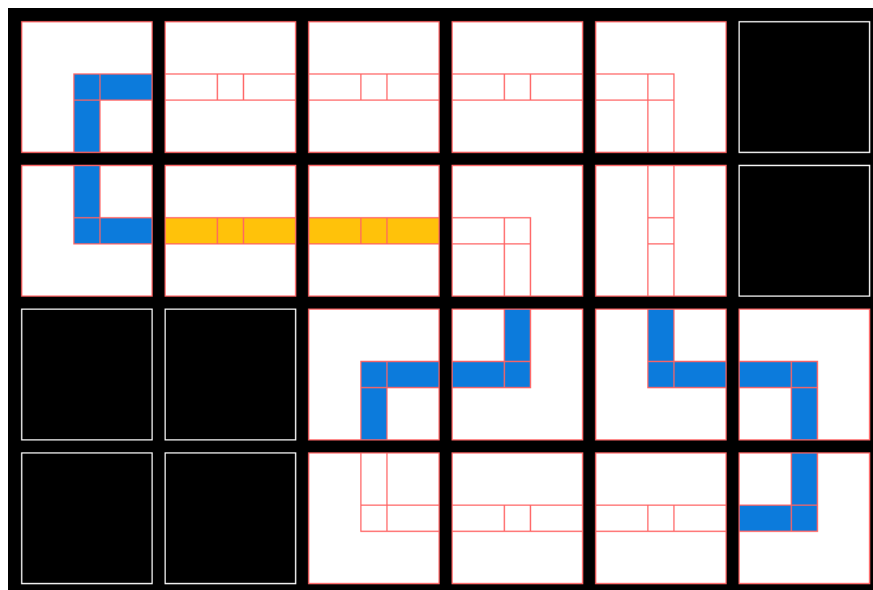
Figure 185: 3-S+2

Move	New State	Result
A2	3-S+1	Loss
A2,A3	3-S	Loss
A2,A3,A4	3-L	Win
A3	1-3-S	Loss
A3,A4	1-3-L	Loss
A3,A4,A5	1-2-3	Win
A4,B4	2-2-3	Loss
A5,B5	3-L3	Loss
B4	3-L4x	Loss
B4,B5	3-4	Loss
B5	3-T4	Loss
D3	2-S+2	Loss
D3,D4	1-S+2	Loss
D3,D4,D5	S+2	Loss
D4	1-1-S+2	Loss
D4,D5	1-S+2	Loss
D5	2-S+2	Loss

3-T5
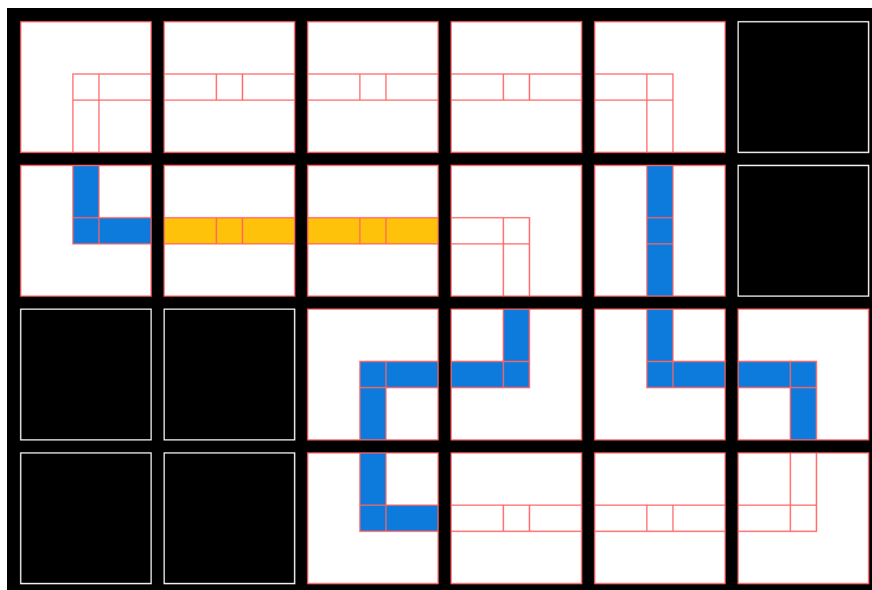
Figure 186: 3-T5

Move	New State	Result
A1	3-T4	Loss
A1,A2	3-T	Loss
A1,A2,A3	3-L	Win
A2	1-3-T	Win
A2,A3	1-3-L	Loss
A2,A3,A4	1-1-1-3	Loss
A3	2-3-L	Loss
A3,A4	1-1-2-3	Loss
A3,A4,A5	1-2-3	Win
A4,A5	1-3-3	Loss
A4,B4	1-3-3	Loss
A5	3-L4	Loss
B4	3-5	Loss
D4	2-T5	Loss
D4,D5	1-T5	Loss
D4,D5,D6	T5	Win
D5	1-1-T5	Win
D5,D6	1-T5	Loss
D6	2-T5	Loss

4-5
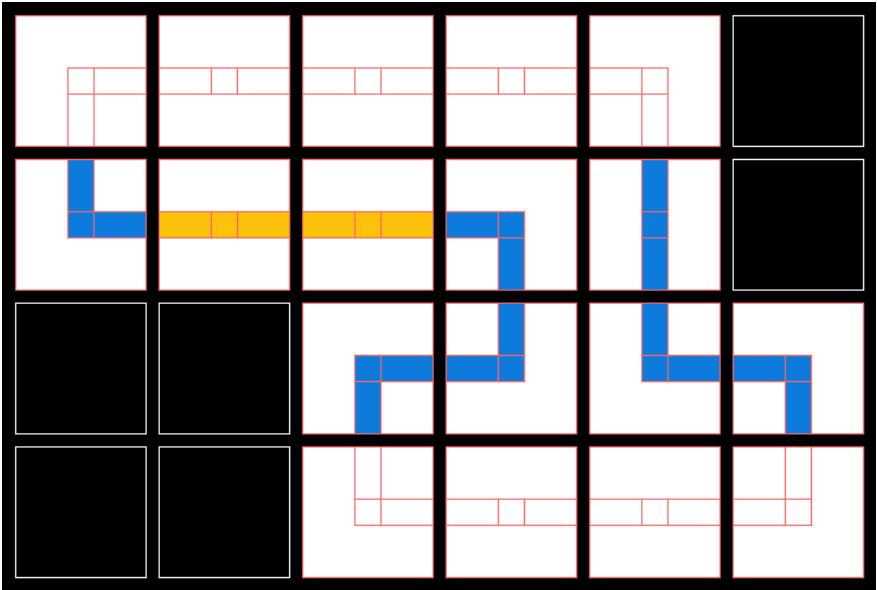
Figure 187: 4-5

Move	New State	Result
A1	4-4	Win
A1,A2	3-4	Loss
A1,A2,A3	2-4	Loss
A2	1-3-4	Loss
A2,A3	1-2-4	Loss
A2,A3,A4	1-1-4	Loss
A3	2-2-4	Loss
A3,A4	1-2-4	Loss
A3,A4,A5	2-4	Loss
A4	1-3-4	Loss
A4,A5	3-4	Loss
A5	4-4	Win
D3	3-5	Loss
D3,D4	2-5	Loss
D3,D4,D5	1-5	Win
D4	1-2-5	Loss
D4,D5	1-1-5	Loss
D4,D5,D6	1-5	Win
D5	1-2-5	Loss
D5,D6	2-5	Loss
D6	3-5	Loss

4-L4
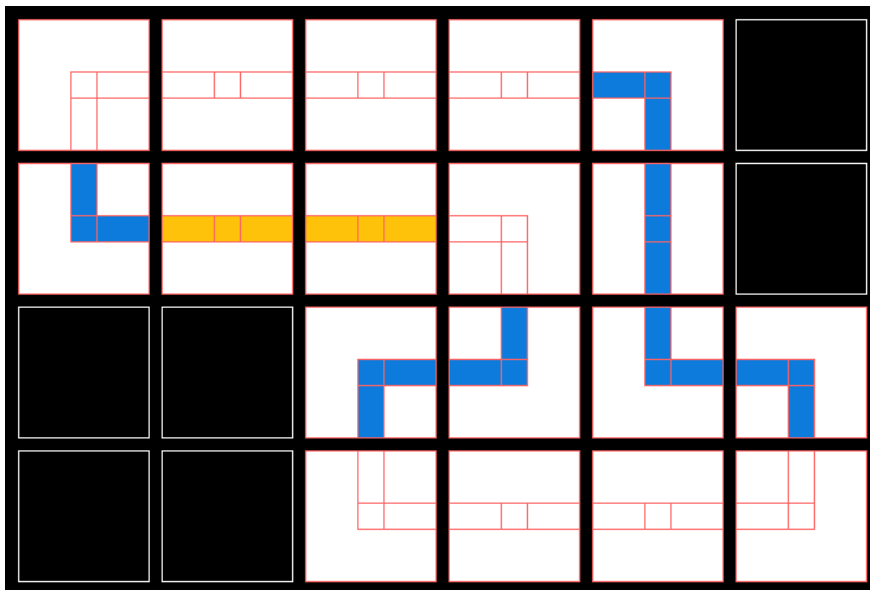
Figure 188: 4-L4

Move	New State	Result
A1	4-L3	Win
A1,A2	4-L	Loss
A1,A2,A3	2-4	Loss
A2	1-4-L	Loss
A2,A3	1-2-4	Loss
A2,A3,A4	1-1-4	Loss
A3	2-2-4	Loss
A3,A4	1-2-4	Loss
A4	1-3-4	Loss
A4,B4	3-4	Loss
B4	4-4	Win
D3	3-L4	Loss
D3,D4	2-L4	Loss
D3,D4,D5	1-L4	Win
D4	1-2-L4	Loss
D4,D5	1-1-L4	Loss
D4,D5,D6	1-L4	Win
D5	1-2-L4	Loss
D5,D6	2-L4	Loss
D6	3-L4	Loss

4-L4x
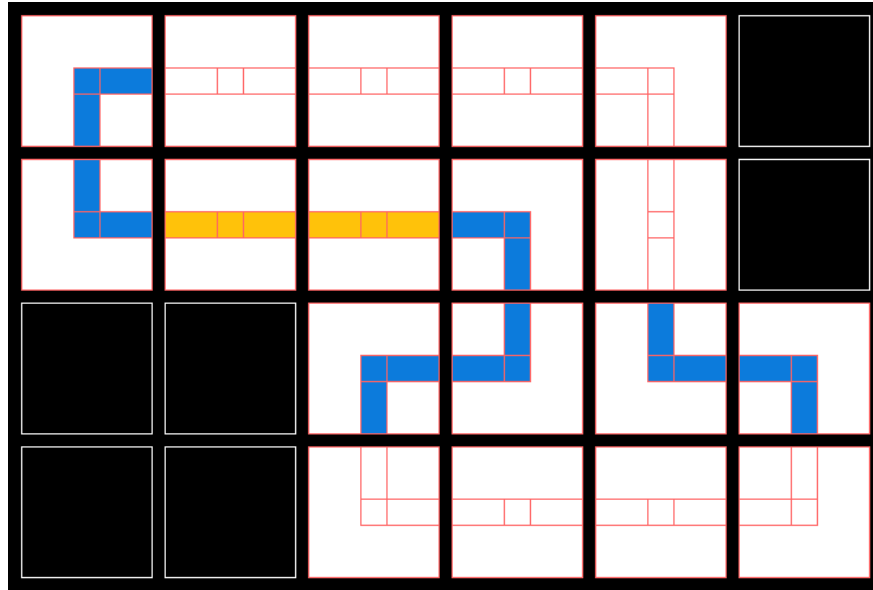
Figure 189: 4-L4x

Move	New State	Result
A2	4-L3x	Win
A2,A3	4-Lx	Loss
A2,A3,A4	2-4	Loss
A3	1-4-Lx	Loss
A3,A4	1-2-4	Loss
A3,A4,A5	1-1-4	Loss
A4	2-2-4	Loss
A4,A5	1-2-4	Loss
A5,B5	3-4	Loss
B5	4-4	Win
D3	3-L4x	Loss
D3,D4	2-L4x	Loss
D3,D4,D5	1-L4x	Loss
D4	1-2-L4x	Loss
D4,D5	1-1-L4x	Loss
D4,D5,D6	1-L4x	Loss
D5	1-2-L4x	Loss
D5,D6	2-L4x	Loss
D6	3-L4x	Loss

4-S+1
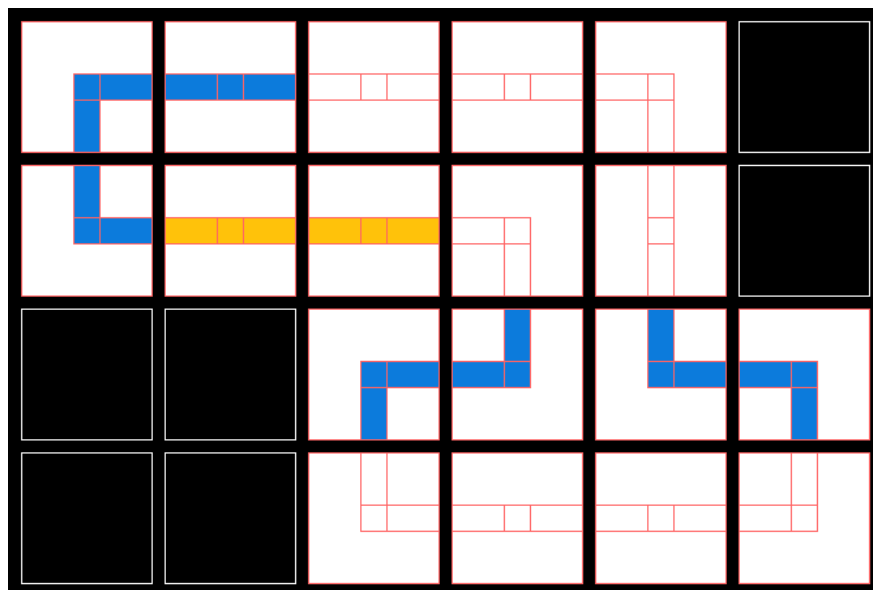
Figure 190: 4-S+1

Move	New State	Result
A3	4-S	Loss
A3,A4	4-L	Loss
A3,A4,A5	2-4	Loss
A4,B4	1-2-4	Loss
A5,B5	4-L	Loss
B4	4-L3x	Win
B4,B5	3-4	Loss
B5	4-T	Loss
D3	3-S+1	Loss
D3,D4	2-S+1	Loss
D3,D4,D5	1-S+1	Loss
D4	1-2-S+1	Loss
D4,D5	1-1-S+1	Win
D4,D5,D6	1-S+1	Loss
D5	1-2-S+1	Loss
D5,D6	2-S+1	Loss
D6	3-S+1	Loss

4-T4
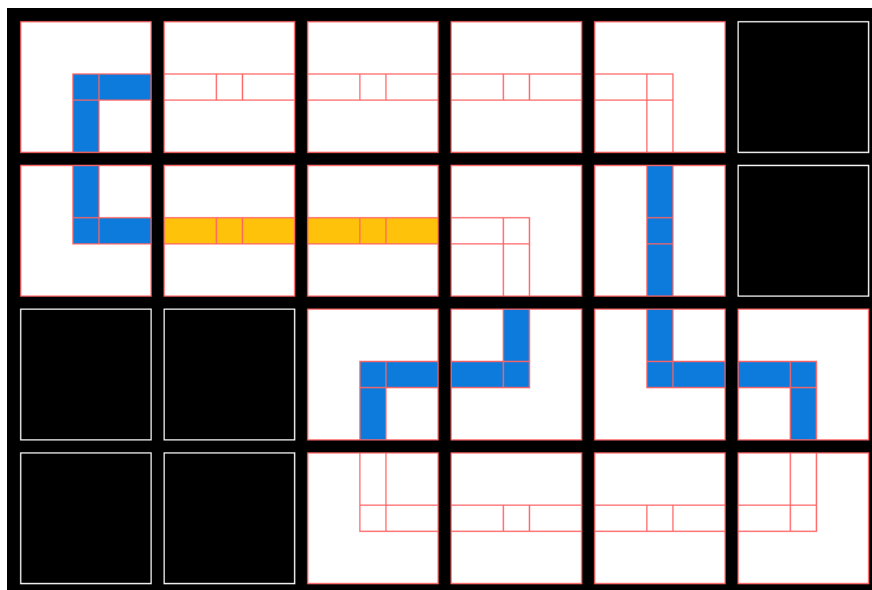
Figure 191: 4-T4

Move	New State	Result
A2	4-T	Loss
A2,A3	4-L	Loss
A2,A3,A4	1-1-4	Loss
A3	1-4-L	Loss
A3,A4	1-1-1-4	Loss
A3,A4,A5	1-1-4	Loss
A4,A5	1-2-4	Loss
A4,B4	1-2-4	Loss
A5	4-L3	Win
B4	4-4	Win
D3	3-T4	Loss
D3,D4	2-T4	Loss
D3,D4,D5	1-T4	Loss
D4	1-2-T4	Loss
D4,D5	1-1-T4	Loss
D4,D5,D6	1-T4	Loss
D5	1-2-T4	Loss
D5,D6	2-T4	Loss
D6	3-T4	Loss

5-L3x
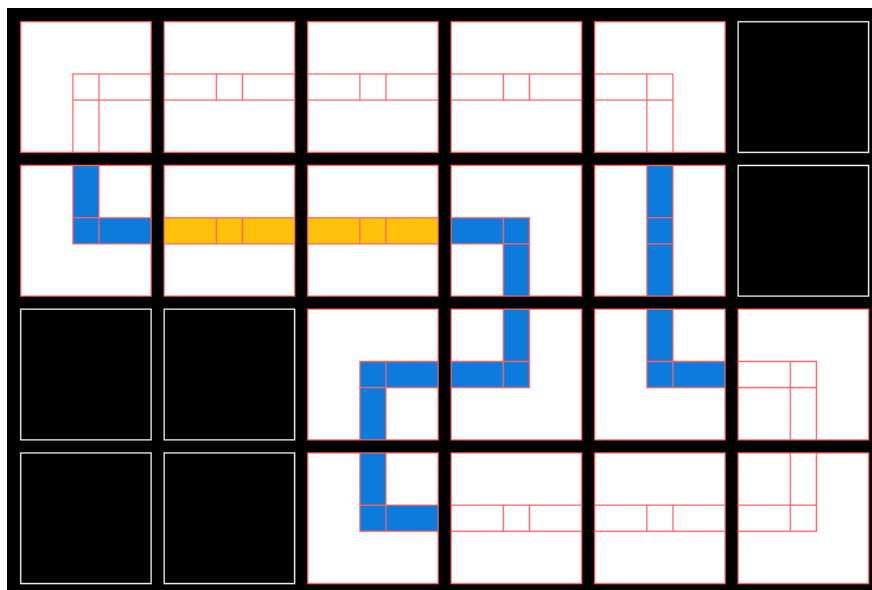
Figure 192: 5-L3x

Move	New State	Result
A1	4-L3x	Win
A1,A2	3-L3x	Loss
A1,A2,A3	2-L3x	Loss
A2	1-3-L3x	Loss
A2,A3	1-2-L3x	Loss
A2,A3,A4	1-1-L3x	Loss
A3	2-2-L3x	Loss
A3,A4	1-2-L3x	Loss
A3,A4,A5	2-L3x	Loss
A4	1-3-L3x	Loss
A4,A5	3-L3x	Loss
A5	4-L3x	Win
C6	3-5	Loss
C6,D6	2-5	Loss
D4	5-Lx	Loss
D4,D5	2-5	Loss
D4,D5,D6	1-5	Win
D5	1-2-5	Loss
D5,D6	1-1-5	Loss

C4-Lx
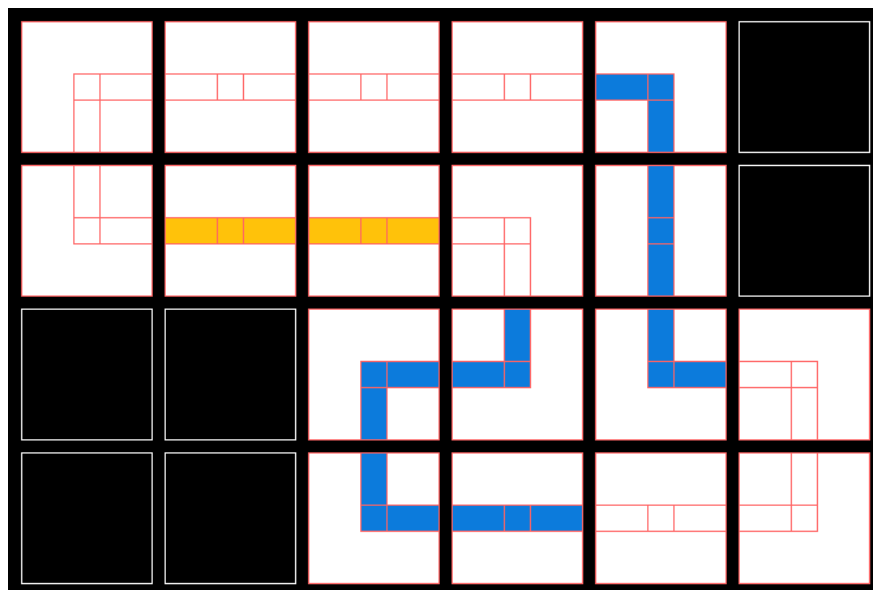
Figure 193: C4-Lx

Move	New State	Result
A1,A2	1-L-Lx	Loss
A1,A2,A3	1-2-Lx	Loss
A1,B1	L3-Lx	Loss
A2	2-L-Lx	Loss
A2,A3	2-2-Lx	Win
A2,A3,A4	1-2-Lx	Loss
A3	2-Lx-Lx	Loss
A3,A4	1-Lx-Lx	Loss
A4	1-L3x-Lx	Loss
A4,B4	L3x-Lx	Loss
B1	L4-Lx	Loss
B4	L4x-Lx	Loss
C6	2-C4	Loss
C6,D6	1-C4	Loss
D5	2-C4	Loss
D5,D6	1-C4	Loss

L-Lx-Lx
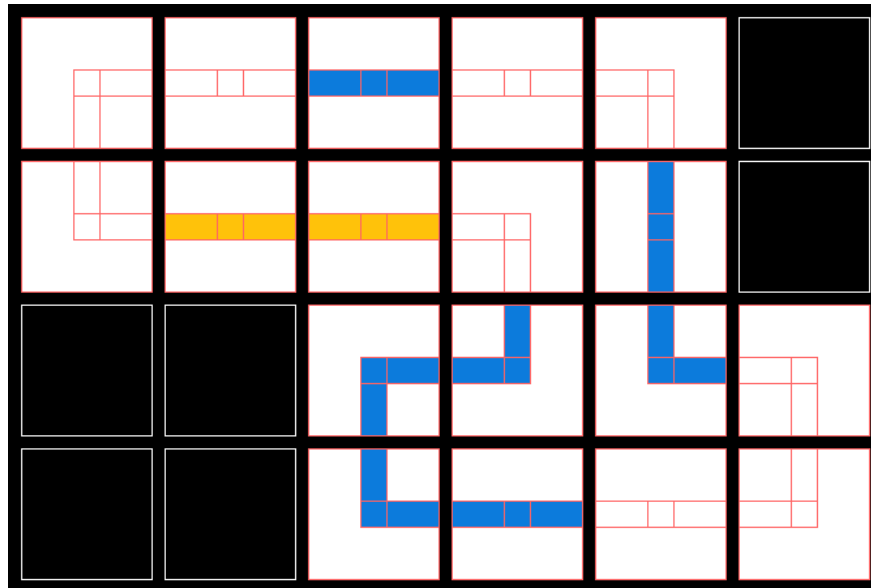
Figure 194: L-Lx-Lx

Move	New State	Result
A1,A2	1-L-Lx	Loss
A1,B1	1-L-Lx	Loss
A2	2-L-Lx	Loss
A4	1-1-Lx-Lx	Win
A4,A5	1-Lx-Lx	Loss
A4,B4	1-Lx-Lx	Loss
A5	2-Lx-Lx	Loss
B1	2-L-Lx	Loss
B4	2-Lx-Lx	Loss
C6	2-L-Lx	Loss
C6,D6	1-L-Lx	Loss
D5	2-L-Lx	Loss
D5,D6	1-L-Lx	Loss

L3-L4x
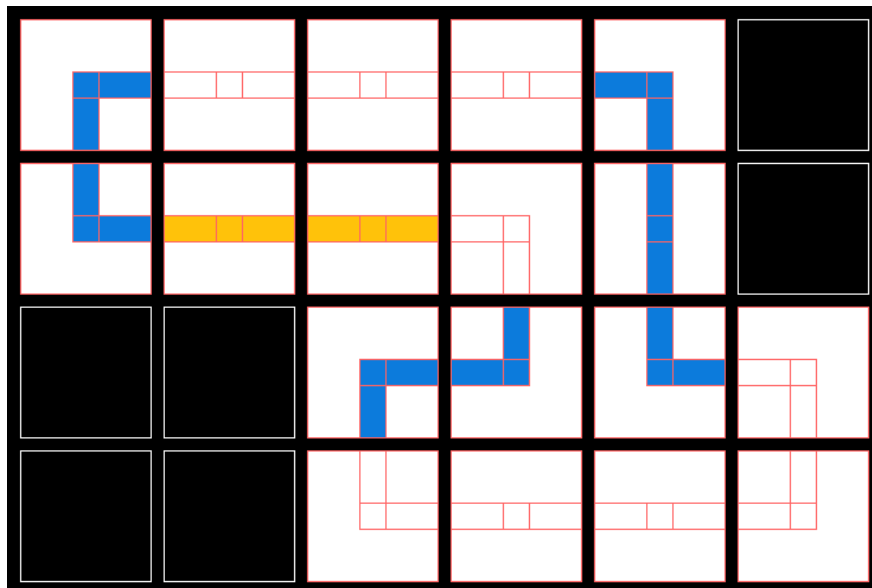
Figure 195: L3-L4x

Move	New State	Result
A2	L-L4x	Loss
A2,A3	2-L4x	Loss
A2,A3,A4	1-L4x	Loss
A3	1-2-L4x	Loss
A3,A4	1-1-L4x	Loss
A4	1-2-L4x	Loss
A4,B4	2-L4x	Loss
B4	3-L4x	Loss
C6	4-L3	Win
C6,D6	3-L3	Loss
D3	L3-L3x	Win
D3,D4	L3-Lx	Loss
D3,D4,D5	2-L3	Loss
D4	1-L3-Lx	Loss
D4,D5	1-2-L3	Loss
D4,D5,D6	1-1-L3	Loss
D5	2-2-L3	Loss
D5,D6	1-2-L3	Loss

L3x-L4
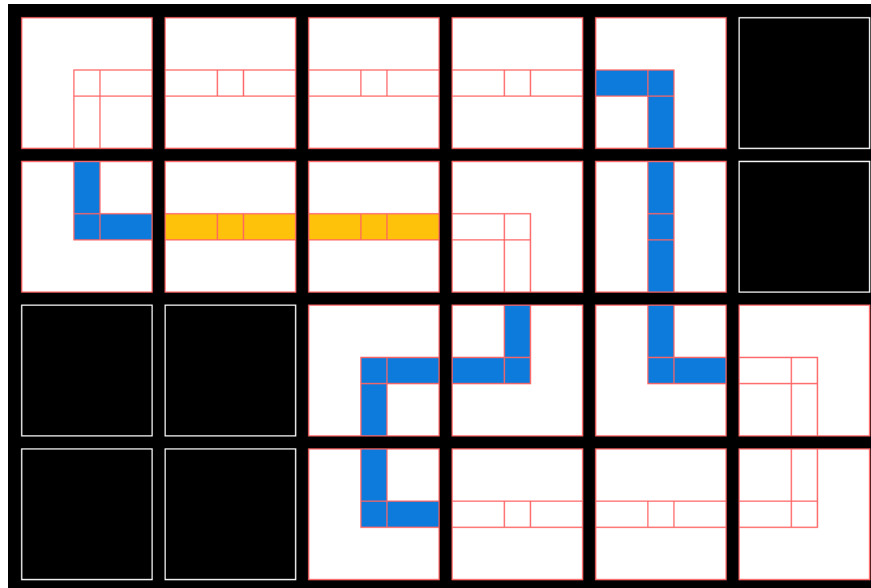
Figure 196: L3x-L4

Move	New State	Result
A1	L3-L3x	Win
A1,A2	L-L3x	Loss
A1,A2,A3	2-L3x	Loss
A2	1-L-L3x	Loss
A2,A3	1-2-L3x	Loss
A2,A3,A4	1-1-L3x	Loss
A3	2-2-L3x	Loss
A3,A4	1-2-L3x	Loss
A4	1-3-L3x	Loss
A4,B4	3-L3x	Loss
B4	4-L3x	Win
C6	3-L4	Loss
C6,D6	2-L4	Loss
D4	L4-Lx	Loss
D4,D5	2-L4	Loss
D4,D5,D6	1-L4	Win
D5	1-2-L4	Loss
D5,D6	1-1-L4	Loss

L3x-L4x
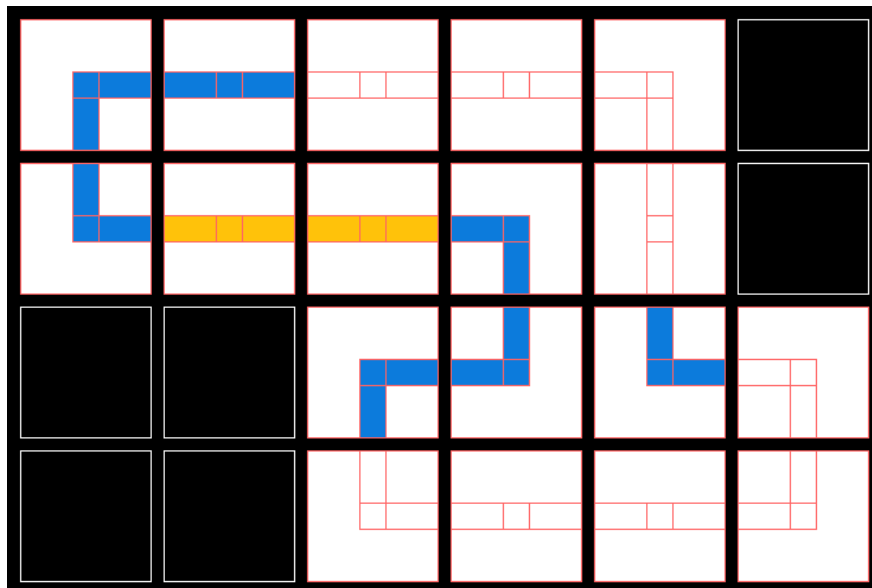
Figure 197: L3x-L4x

Move	New State	Result
A3	L4x-Lx	Loss
A3,A4	2-L4x	Loss
A3,A4,A5	1-L4x	Loss
A4	1-2-L4x	Loss
A4,A5	1-1-L4x	Loss
A5,B5	2-L4x	Loss
B5	3-L4x	Loss
C6	4-L3x	Win
C6,D6	3-L3x	Loss
D3	L3x-L3x	Win
D3,D4	L3x-Lx	Loss
D3,D4,D5	2-L3x	Loss
D4	1-L3x-Lx	Loss
D4,D5	1-2-L3x	Loss
D4,D5,D6	1-1-L3x	Loss
D5	2-2-L3x	Loss
D5,D6	1-2-L3x	Loss

L3x-S+1
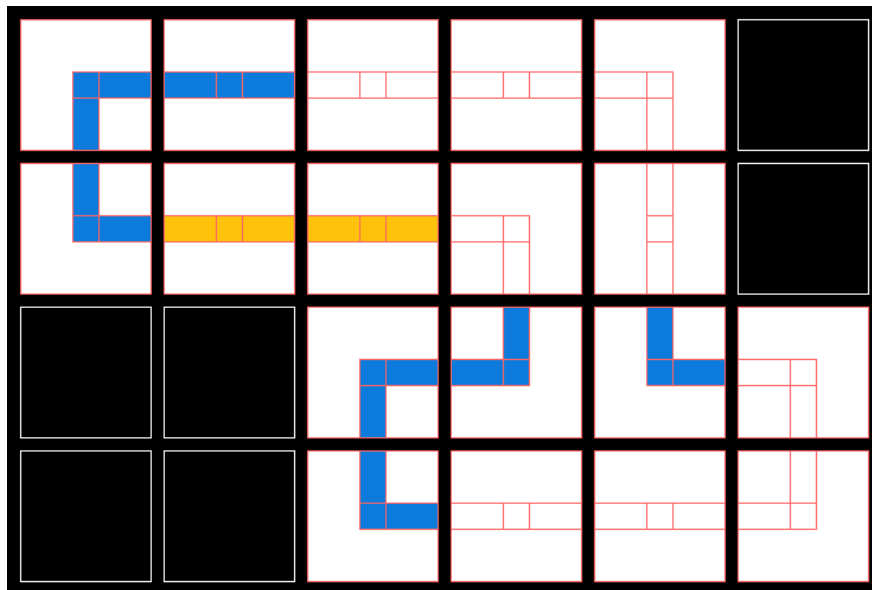
Figure 198: L3x-S+1

Move	New State	Result
A3	L3x-S	Loss
A3,A4	L-L3x	Loss
A3,A4,A5	2-L3x	Loss
A4,B4	1-2-L3x	Loss
A5,B5	L-L3x	Loss
B4	L3x-L3x	Win
B4,B5	3-L3x	Loss
B5	L3x-T	Loss
C6	3-S+1	Loss
C6,D6	2-S+1	Loss
D4	Lx-S+1	Win
D4,D5	2-S+1	Loss
D4,D5,D6	1-S+1	Loss
D5	1-2-S+1	Loss
D5,D6	1-1-S+1	Win

L3x-T4
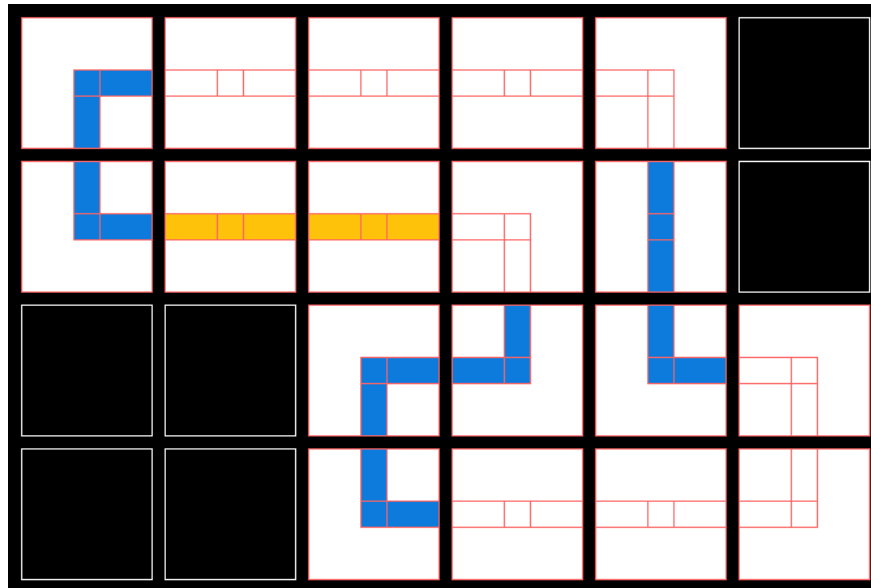
Figure 199: L3x-T4

Move	New State	Result
A2	L3x-T	Loss
A2,A3	L-L3x	Loss
A2,A3,A4	1-1-L3x	Loss
A3	1-L-L3x	Loss
A3,A4	1-1-1-L3x	Loss
A3,A4,A5	1-1-L3x	Loss
A4,A5	1-2-L3x	Loss
A4,B4	1-2-L3x	Loss
A5	L3-L3x	Win
B4	4-L3x	Win
C6	3-T4	Loss
C6,D6	2-T4	Loss
D4	Lx-T4	Loss
D4,D5	2-T4	Loss
D4,D5,D6	1-T4	Loss
D5	1-2-T4	Loss
D5,D6	1-1-T4	Loss

L4x-S
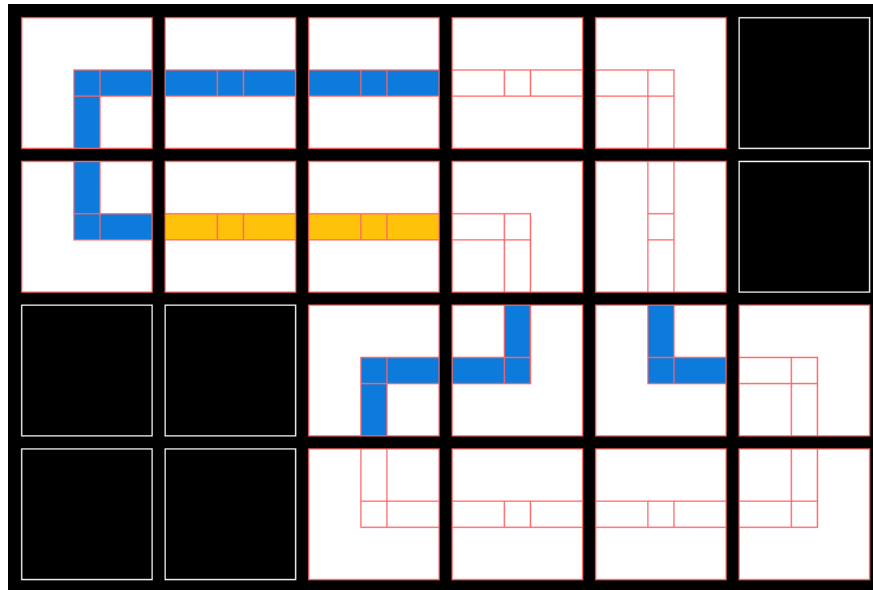
Figure 200: L4x-S

Move	New State	Result
A4	L-L4x	Loss
A4,A5	2-L4x	Loss
A4,B4	2-L4x	Loss
A5,B5	2-L4x	Loss
B4	L4x-Lx	Loss
B4,B5	2-L4x	Loss
B5	L-L4x	Loss
C6	4-S	Loss
C6,D6	3-S	Loss
D3	L3x-S	Loss
D3,D4	Lx-S	Loss
D3,D4,D5	2-S	Loss
D4	1-Lx-S	Win
D4,D5	1-2-S	Loss
D4,D5,D6	1-1-S	Loss
D5	2-2-S	Loss
D5,D6	1-2-S	Loss

L4x-T
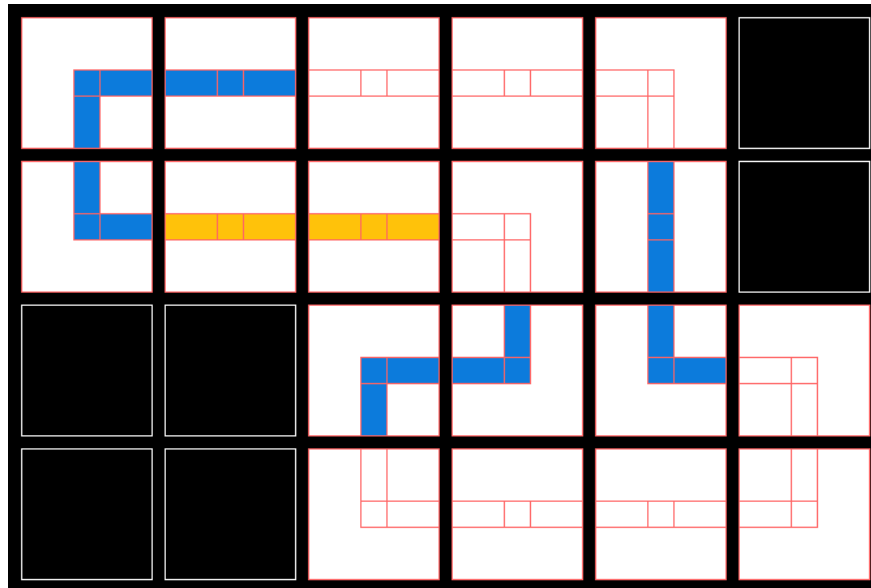
Figure 201: L4x-T

Move	New State	Result
A3	L-L4x	Loss
A3,A4	1-1-L4x	Loss
A3,A4,A5	1-L4x	Loss
A4,A5	1-1-L4x	Loss
A4,B4	1-1-L4x	Loss
A5	L-L4x	Loss
B4	3-L4x	Loss
C6	4-T	Loss
C6,D6	3-T	Loss
D3	L3x-T	Loss
D3,D4	Lx-T	Loss
D3,D4,D5	2-T	Win
D4	1-Lx-T	Loss
D4,D5	1-2-T	Loss
D4,D5,D6	1-1-T	Loss
D5	2-2-T	Loss
D5,D6	1-2-T	Loss

L5x-Lx
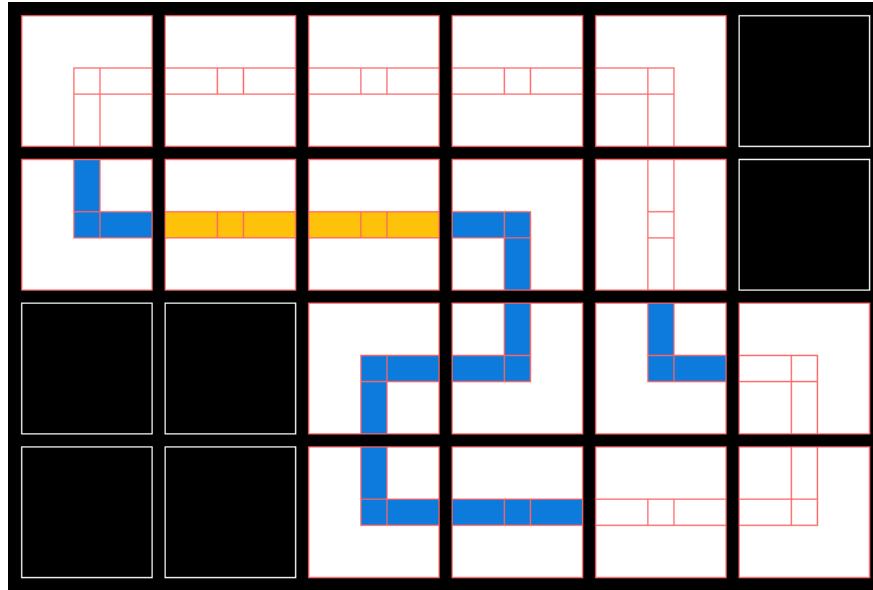
Figure 202: L5x-Lx

Move	New State	Result
A1	L4x-Lx	Loss
A1,A2	L3x-Lx	Loss
A1,A2,A3	Lx-Lx	Win
A2	1-L3x-Lx	Loss
A2,A3	1-Lx-Lx	Loss
A2,A3,A4	1-2-Lx	Loss
A3	2-Lx-Lx	Loss
A3,A4	2-2-Lx	Win
A3,A4,A5	1-2-Lx	Loss
A4	2-3-Lx	Loss
A4,A5	1-3-Lx	Loss
A5,B5	4-Lx	Loss
B5	5-Lx	Loss
C6	2-L5x	Loss
C6,D6	1-L5x	Loss
D5	2-L5x	Loss
D5,D6	1-L5x	Loss

Lx-Lx-Lx
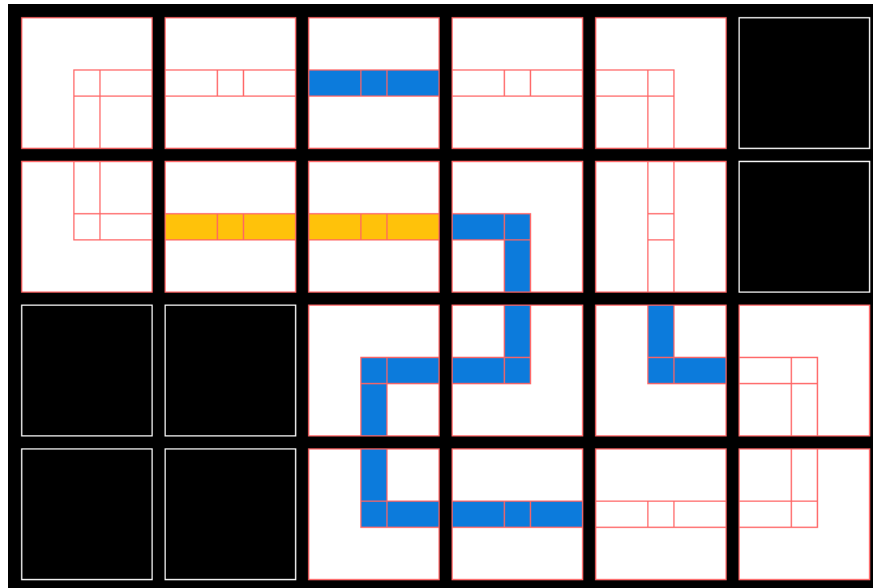
Figure 203: Lx-Lx-Lx

Move	New State	Result
A1,A2	1-Lx-Lx	Loss
A1,B1	1-Lx-Lx	Loss
A2	2-Lx-Lx	Loss
A4	2-Lx-Lx	Loss
A4,A5	1-Lx-Lx	Loss
A5,B5	1-Lx-Lx	Loss
B1	2-Lx-Lx	Loss
B5	2-Lx-Lx	Loss
C6	2-Lx-Lx	Loss
C6,D6	1-Lx-Lx	Loss
D5	2-Lx-Lx	Loss
D5,D6	1-Lx-Lx	Loss

Lx-S+2
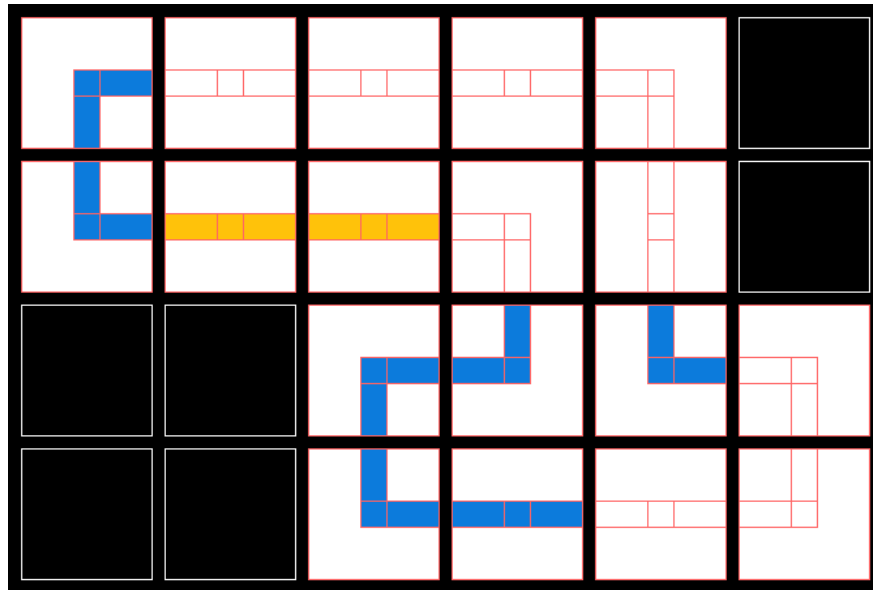
Figure 204: Lx-S+2

Move	New State	Result
A2	Lx-S+1	Win
A2,A3	Lx-S	Loss
A2,A3,A4	L-Lx	Loss
A3	1-Lx-S	Win
A3,A4	1-L-Lx	Loss
A3,A4,A5	1-2-Lx	Loss
A4,B4	2-2-Lx	Win
A5,B5	L3-Lx	Loss
B4	L4x-Lx	Loss
B4,B5	4-Lx	Loss
B5	Lx-T4	Loss
C6	2-S+2	Loss
C6,D6	1-S+2	Loss
D5	2-S+2	Loss
D5,D6	1-S+2	Loss

Lx-T5
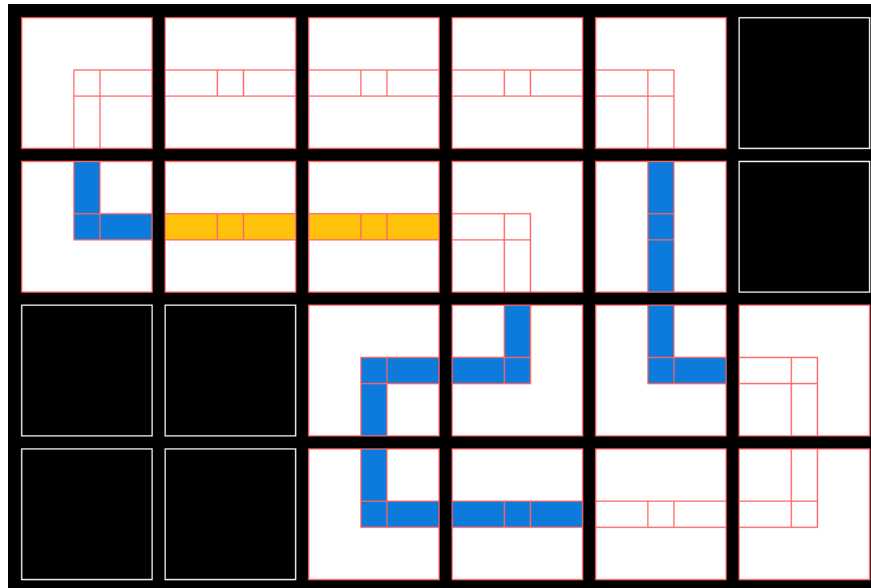
Figure 205: Lx-T5

Move	New State	Result
A1	Lx-T4	Loss
A1,A2	Lx-T	Loss
A1,A2,A3	L-Lx	Loss
A2	1-Lx-T	Loss
A2,A3	1-L-Lx	Loss
A2,A3,A4	1-1-1-Lx	Loss
A3	2-L-Lx	Loss
A3,A4	1-1-2-Lx	Loss
A3,A4,A5	1-2-Lx	Loss
A4,A5	1-3-Lx	Loss
A4,B4	1-3-Lx	Loss
A5	L4-Lx	Loss
B4	5-Lx	Loss
C6	2-T5	Loss
C6,D6	1-T5	Loss
D5	2-T5	Loss
D5,D6	1-T5	Loss

1-1-1-2-Lx
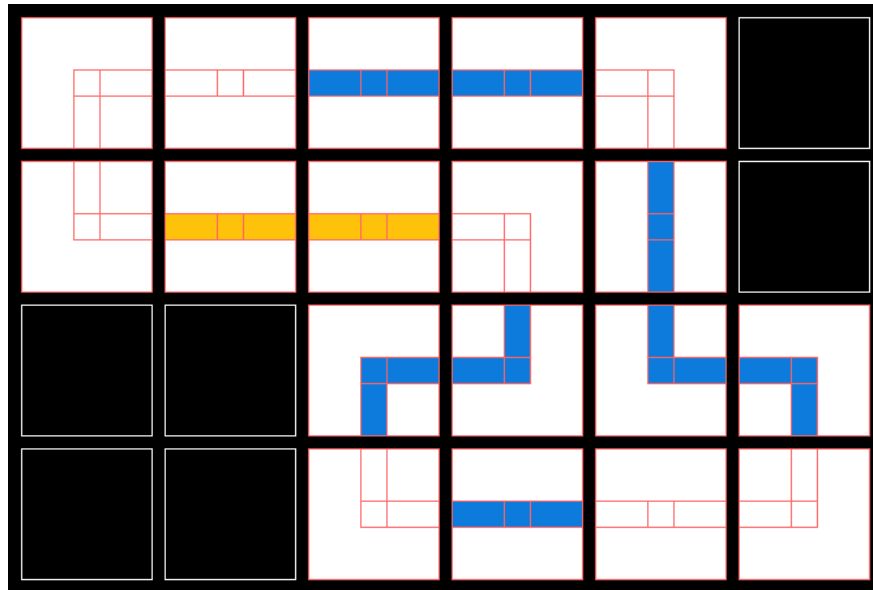
Figure 206: 1-1-1-2-Lx

Move	New State	Result
A1,A2	1-1-1-1-2	Loss
A1,B1	1-1-1-1-2	Loss
A2	1-1-1-2-2	Loss
A5	1-1-2-Lx	Loss
B1	1-1-1-2-2	Loss
B4	1-1-2-Lx	Loss
D3	1-1-2-Lx	Loss
D5	1-1-1-1-Lx	Win
D5,D6	1-1-1-Lx	Loss
D6	1-1-1-1-Lx	Win

1-1-1-L4x
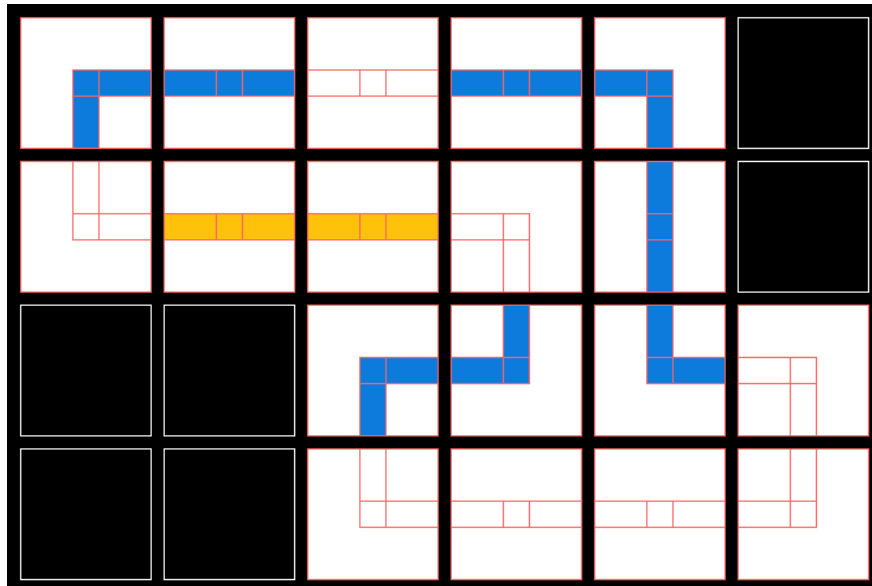
Figure 207: 1-1-1-L4x

Move	New State	Result
A3	1-1-L4x	Loss
B1	1-1-L4x	Loss
B4	1-1-L4x	Loss
C6	1-1-1-4	Loss
C6,D6	1-1-1-3	Loss
D3	1-1-1-L3x	Loss
D3,D4	1-1-1-Lx	Loss
D3,D4,D5	1-1-1-2	Loss
D4	1-1-1-1-Lx	Win
D4,D5	1-1-1-1-2	Loss
D4,D5,D6	1-1-1-1-1	Loss
D5	1-1-1-2-2	Loss
D5,D6	1-1-1-1-2	Loss

205
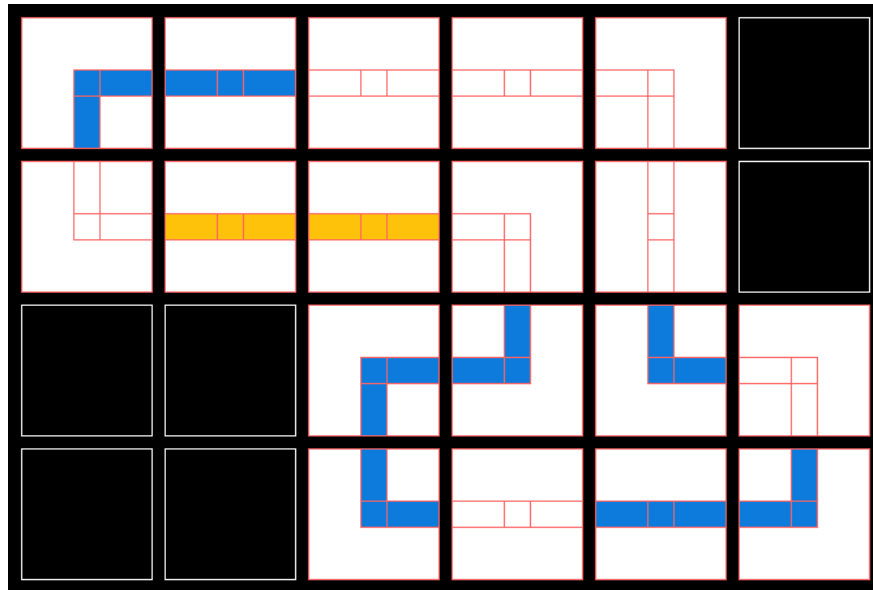
1-1-1-S+1

Figure 208: 1-1-1-S+1

Move	New State	Result
A3	1-1-1-S	Win
A3,A4	1-1-1-L	Loss
A3,A4,A5	1-1-1-2	Loss
A4,B4	1-1-1-1-2	Loss
A5,B5	1-1-1-L	Loss
B1	1-1-S+1	Win
B4	1-1-1-L3x	Loss
B4,B5	1-1-1-3	Loss
B5	1-1-1-T	Loss
C6	1-1-S+1	Win
D4	1-1-S+1	Win

1-1-2-2-2
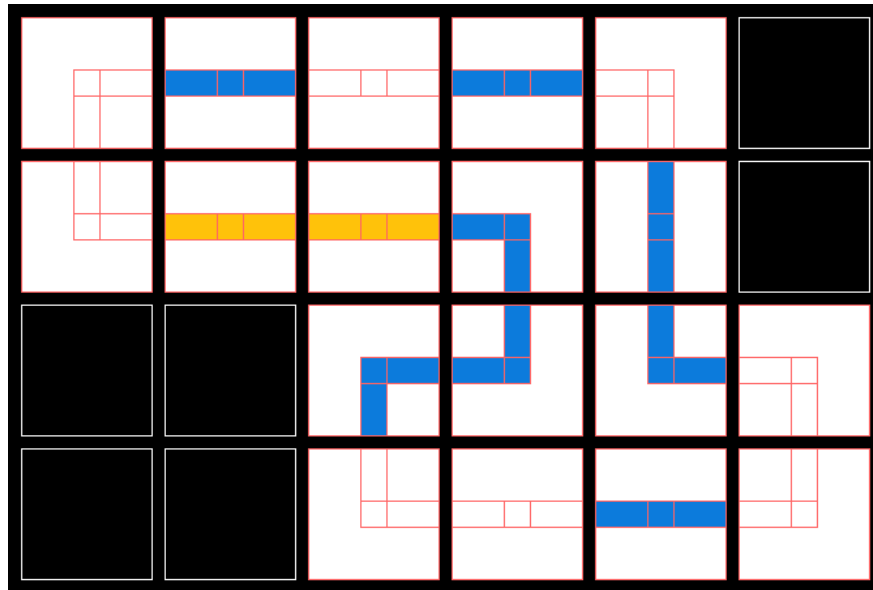
Figure 209: 1-1-2-2-2

Move	New State	Result
A1	1-1-1-2-2	Loss
A1,B1	1-1-2-2	Win
A3	1-2-2-2	Loss
A5	1-2-2-2	Loss
B1	1-1-1-2-2	Loss
C6	1-1-1-2-2	Loss
C6,D6	1-1-2-2	Win
D3	1-1-1-2-2	Loss
D3,D4	1-1-2-2	Win
D4	1-1-1-2-2	Loss
D6	1-1-1-2-2	Loss

1-1-2-4
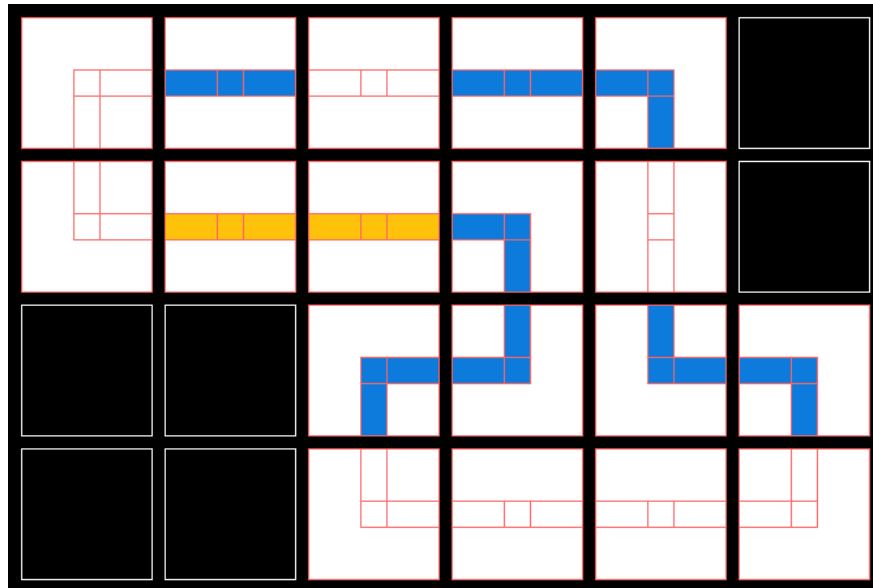
Figure 210: 1-1-2-4

Move	New State	Result
A1	1-1-1-4	Loss
A1,B1	1-1-4	Loss
A3	1-2-4	Loss
B1	1-1-1-4	Loss
B5	1-2-4	Loss
D3	1-1-2-3	Loss
D3,D4	1-1-2-2	Win
D3,D4,D5	1-1-1-2	Loss
D4	1-1-1-2-2	Loss
D4,D5	1-1-1-1-2	Loss
D4,D5,D6	1-1-1-2	Loss
D5	1-1-1-2-2	Loss
D5,D6	1-1-2-2	Win
D6	1-1-2-3	Loss

1-1-2-L3x
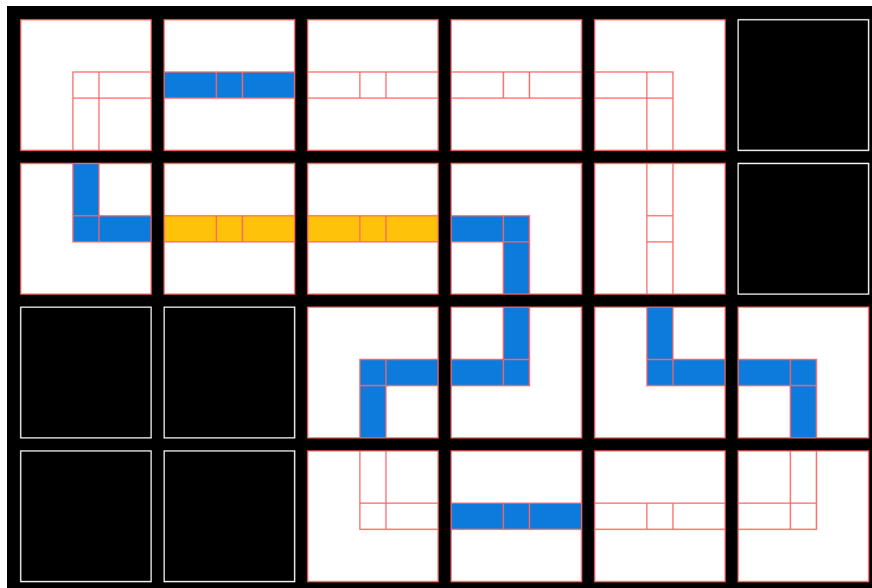
Figure 211: 1-1-2-L3x

Move	New State	Result
A1	1-2-L3x	Loss
A3	1-1-2-Lx	Loss
A3,A4	1-1-2-2	Win
A3,A4,A5	1-1-1-2	Loss
A4	1-1-1-2-2	Loss
A4,A5	1-1-1-1-2	Loss
A5,B5	1-1-2-2	Win
B5	1-1-2-3	Loss
D3	1-2-L3x	Loss
D5	1-1-1-L3x	Loss
D5,D6	1-1-L3x	Loss
D6	1-1-1-L3x	Loss

1-1-2-S
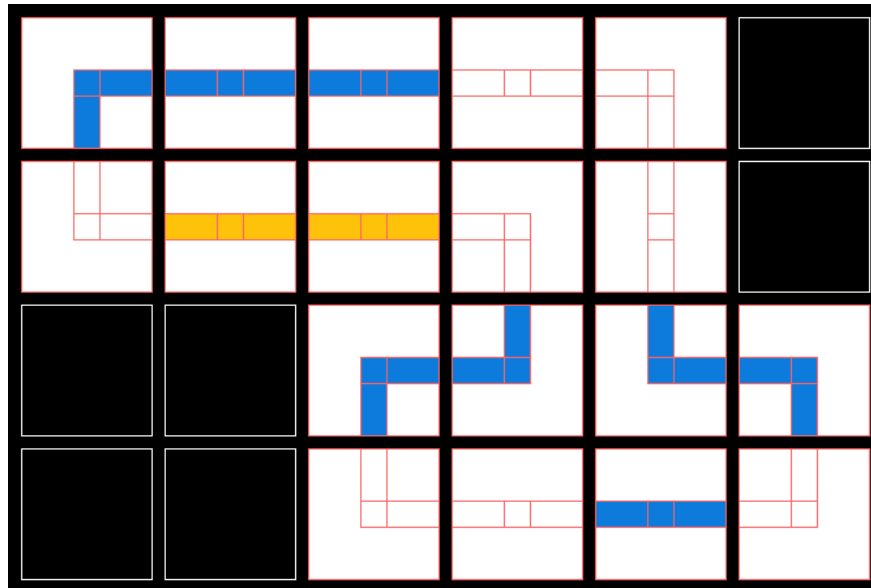
Figure 212: 1-1-2-S

Move	New State	Result
A4	1-1-2-L	Loss
A4,A5	1-1-2-2	Win
A4,B4	1-1-2-2	Win
A5,B5	1-1-2-2	Win
B1	1-2-S	Loss
B4	1-1-2-Lx	Loss
B4,B5	1-1-2-2	Win
B5	1-1-2-L	Loss
D3	1-1-1-S	Win
D3,D4	1-1-S	Loss
D4	1-1-1-S	Win
D6	1-2-S	Loss

1-1-2-T
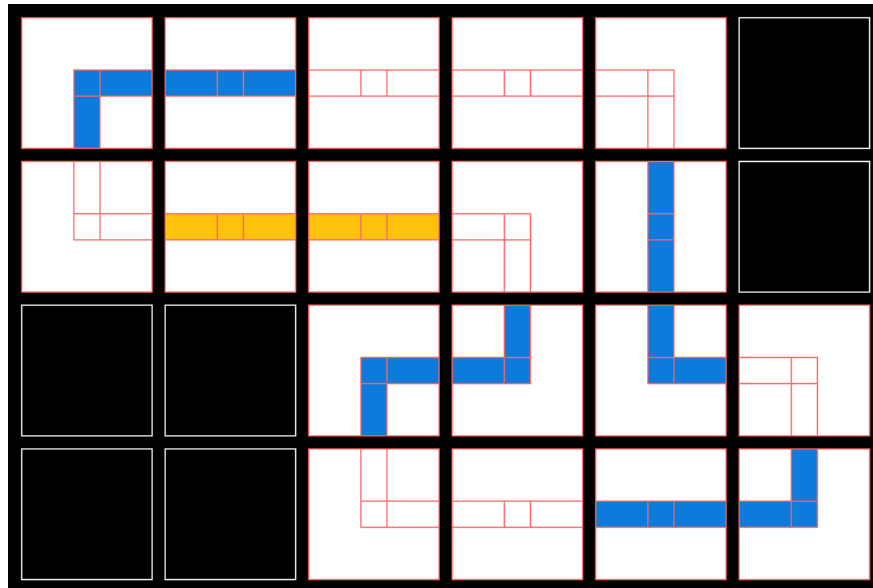
Figure 213: 1-1-2-T

Move	New State	Result
A3	1-1-2-L	Loss
A3,A4	1-1-1-1-2	Loss
A3,A4,A5	1-1-1-2	Loss
A4,A5	1-1-1-1-2	Loss
A4,B4	1-1-1-1-2	Loss
A5	1-1-2-L	Loss
B1	1-2-T	Loss
B4	1-1-2-3	Loss
C6	1-2-T	Loss
D3	1-1-1-T	Loss
D3,D4	1-1-T	Loss
D4	1-1-1-T	Loss

1-1-3-Lx
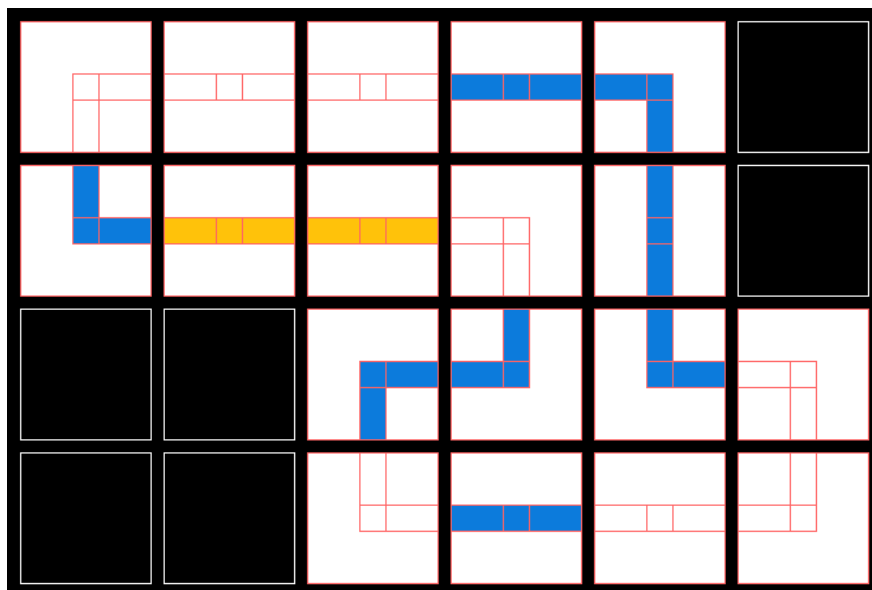
Figure 214: 1-1-3-Lx

Move	New State	Result
A1	1-1-2-Lx	Loss
A1,A2	1-1-1-Lx	Loss
A1,A2,A3	1-1-Lx	Win
A2	1-1-1-1-Lx	Win
A2,A3	1-1-1-Lx	Loss
A3	1-1-2-Lx	Loss
B4	1-3-Lx	Loss
C6	1-1-2-3	Loss
C6,D6	1-1-1-3	Loss
D3	1-3-Lx	Loss
D5	1-1-2-3	Loss
D5,D6	1-1-1-3	Loss

1-1-C4
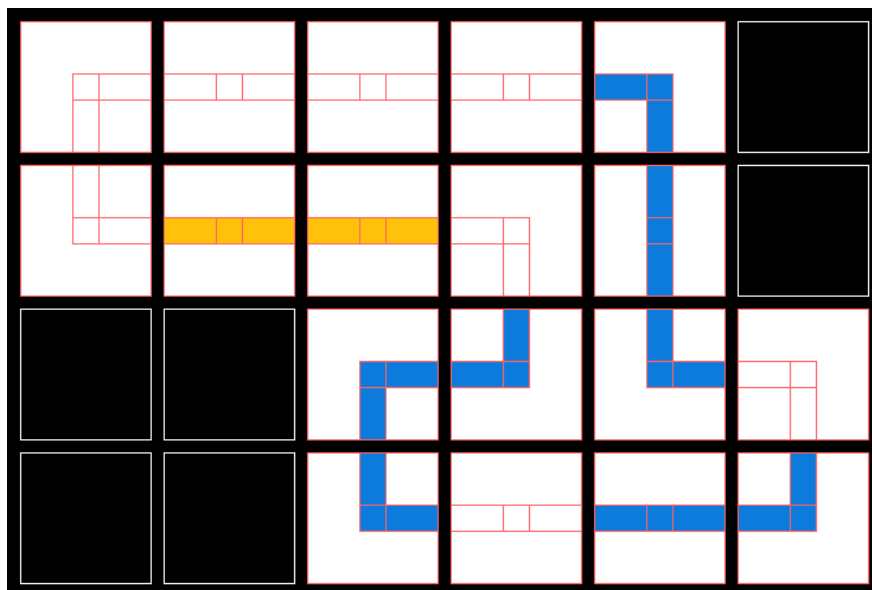
Figure 215: 1-1-C4

Move	New State	Result
A1,A2	1-1-1-L	Loss
A1,A2,A3	1-1-1-2	Loss
A1,B1	1-1-L3	Loss
A2	1-1-2-L	Loss
A2,A3	1-1-2-2	Win
A2,A3,A4	1-1-1-2	Loss
A3	1-1-2-Lx	Loss
A3,A4	1-1-1-Lx	Loss
A4	1-1-1-L3x	Loss
A4,B4	1-1-L3x	Loss
B1	1-1-L4	Loss
B4	1-1-L4x	Loss
C6	1-C4	Loss
D4	1-C4	Loss

1-1-L-Lx
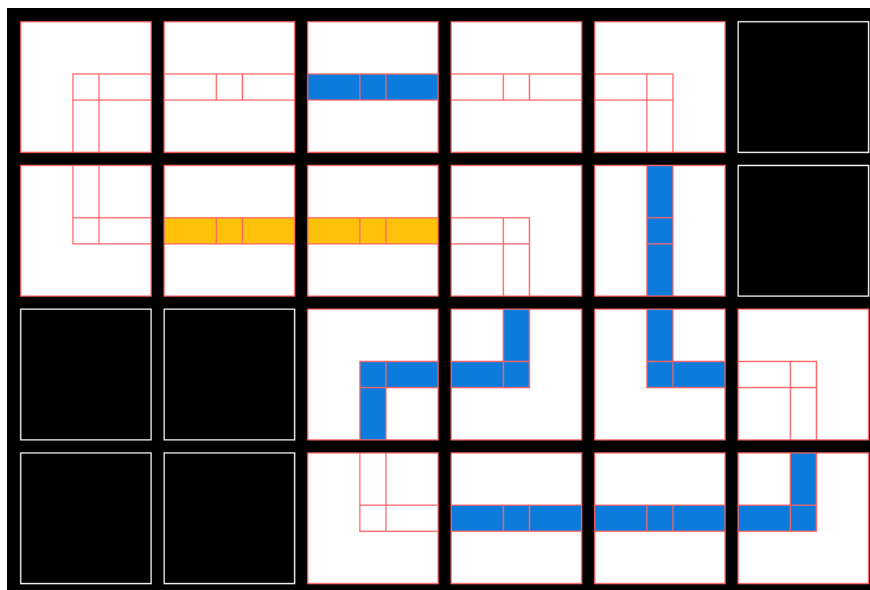
Figure 216: 1-1-L-Lx

Move	New State	Result
A1,A2	1-1-1-L	Loss
A1,B1	1-1-1-L	Loss
A2	1-1-2-L	Loss
A4	1-1-1-1-Lx	Win
A4,A5	1-1-1-Lx	Loss
A4,B4	1-1-1-Lx	Loss
A5	1-1-2-Lx	Loss
B1	1-1-2-L	Loss
B4	1-1-2-Lx	Loss
C6	1-L-Lx	Loss
D3	1-L-Lx	Loss

1-1-L5x
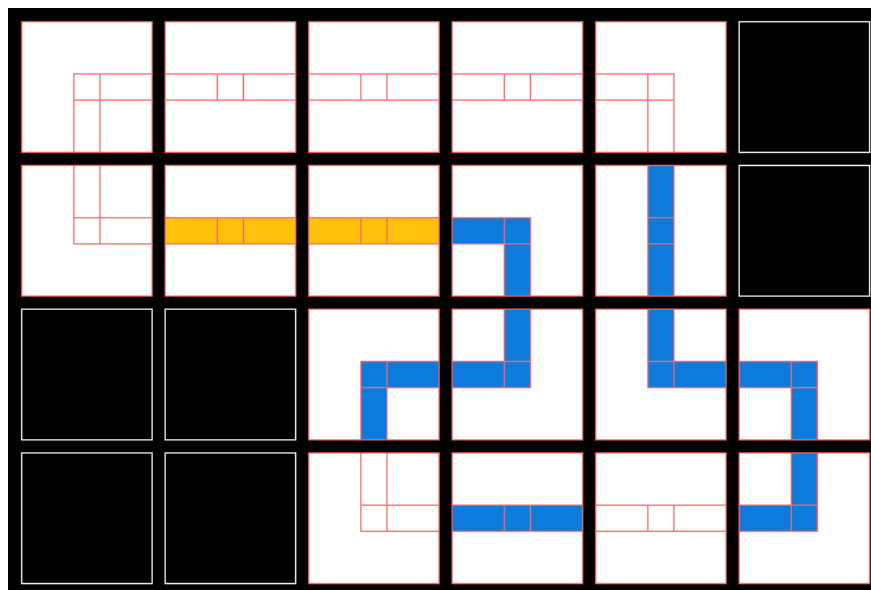
Figure 217: 1-1-L5x

Move	New State	Result
A1,A2	1-1-1-3	Loss
A1,A2,A3	1-1-1-2	Loss
A1,B1	1-1-4	Loss
A2	1-1-2-3	Loss
A2,A3	1-1-2-2	Win
A2,A3,A4	1-1-1-2	Loss
A3	1-1-2-Lx	Loss
A3,A4	1-1-1-Lx	Loss
A3,A4,A5	1-1-Lx	Win
A4	1-1-1-L3x	Loss
A4,A5	1-1-L3x	Loss
A5	1-1-L4x	Loss
B1	1-1-5	Loss
D3	1-L5x	Loss
D5	1-L5x	Loss

1-1-Lx-Lx
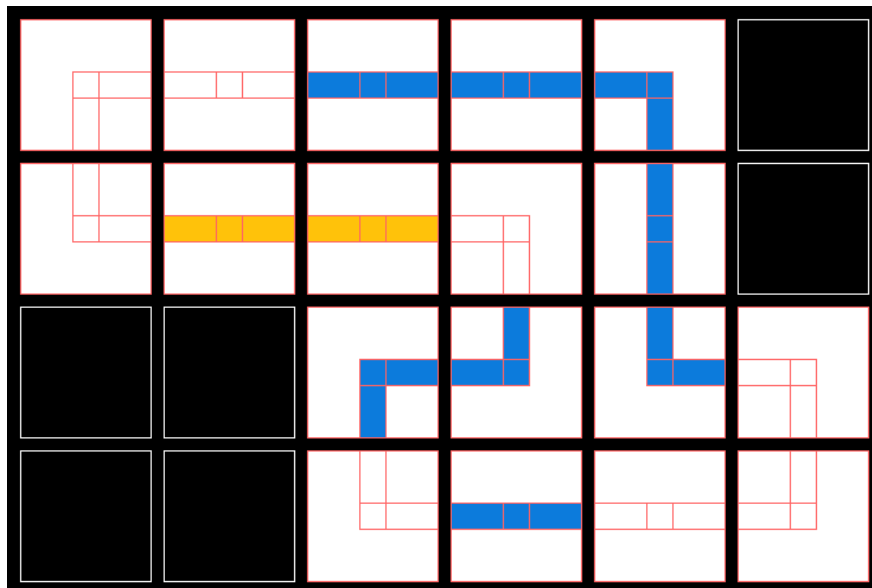
Figure 218: 1-1-Lx-Lx

Move	New State	Result
A1,A2	1-1-1-Lx	Loss
A1,B1	1-1-1-Lx	Loss
A2	1-1-2-Lx	Loss
B1	1-1-2-Lx	Loss
B4	1-Lx-Lx	Loss
C6	1-1-2-Lx	Loss
C6,D6	1-1-1-Lx	Loss
D3	1-Lx-Lx	Loss
D5	1-1-2-Lx	Loss
D5,D6	1-1-1-Lx	Loss

1-1-S+2
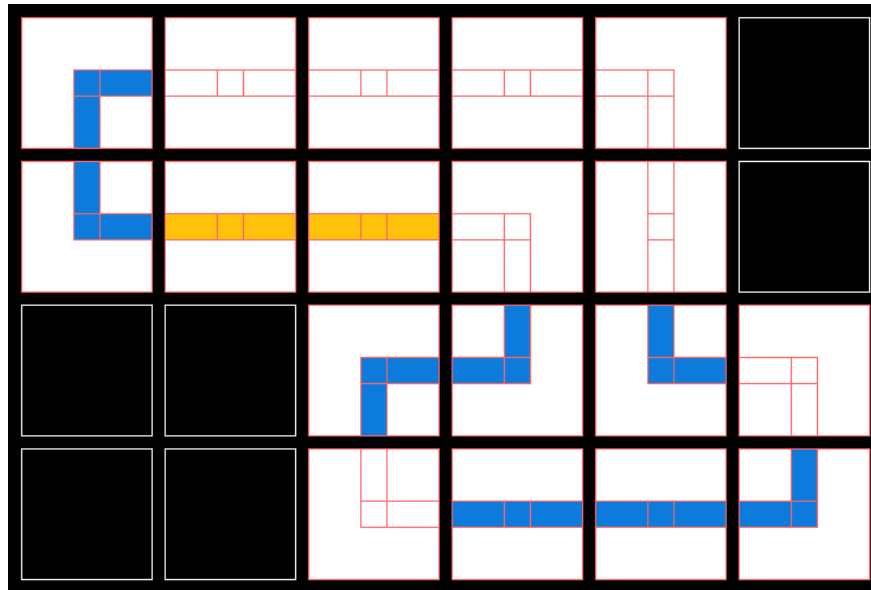
Figure 219: 1-1-S+2

Move	New State	Result
A2	1-1-S+1	Win
A2,A3	1-1-S	Loss
A2,A3,A4	1-1-L	Loss
A3	1-1-1-S	Win
A3,A4	1-1-1-L	Loss
A3,A4,A5	1-1-1-2	Loss
A4,B4	1-1-2-2	Win
A5,B5	1-1-L3	Loss
B4	1-1-L4x	Loss
B4,B5	1-1-4	Loss
B5	1-1-T4	Loss
C6	1-S+2	Loss
D3	1-S+2	Loss

1-1-T5
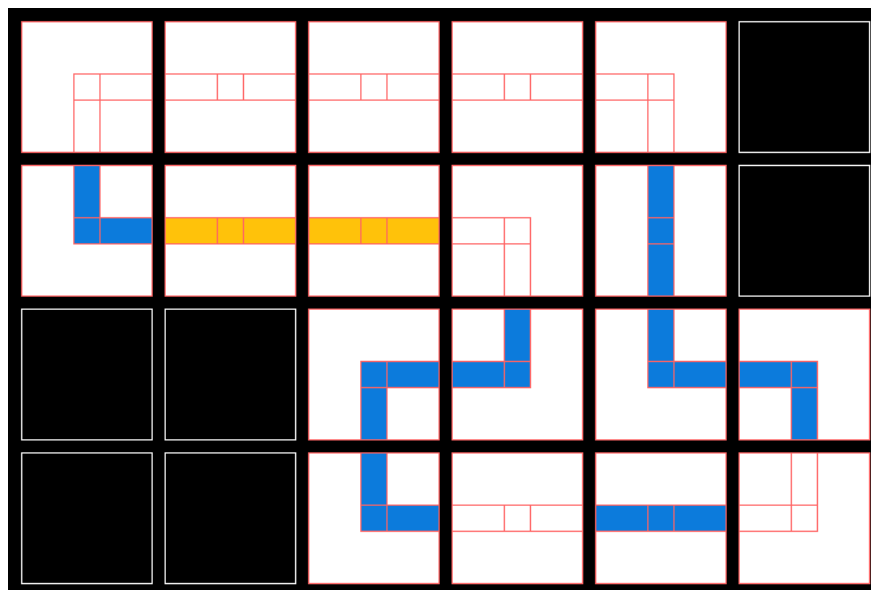
Figure 220: 1-1-T5

Move	New State	Result
A1	1-1-T4	Loss
A1,A2	1-1-T	Loss
A1,A2,A3	1-1-L	Loss
A2	1-1-1-T	Loss
A2,A3	1-1-1-L	Loss
A2,A3,A4	1-1-1-1-1	Loss
A3	1-1-2-L	Loss
A3,A4	1-1-1-1-2	Loss
A3,A4,A5	1-1-1-2	Loss
A4,A5	1-1-1-3	Loss
A4,B4	1-1-1-3	Loss
A5	1-1-L4	Loss
B4	1-1-5	Loss
D4	1-T5	Loss
D6	1-T5	Loss

1-2-2-3
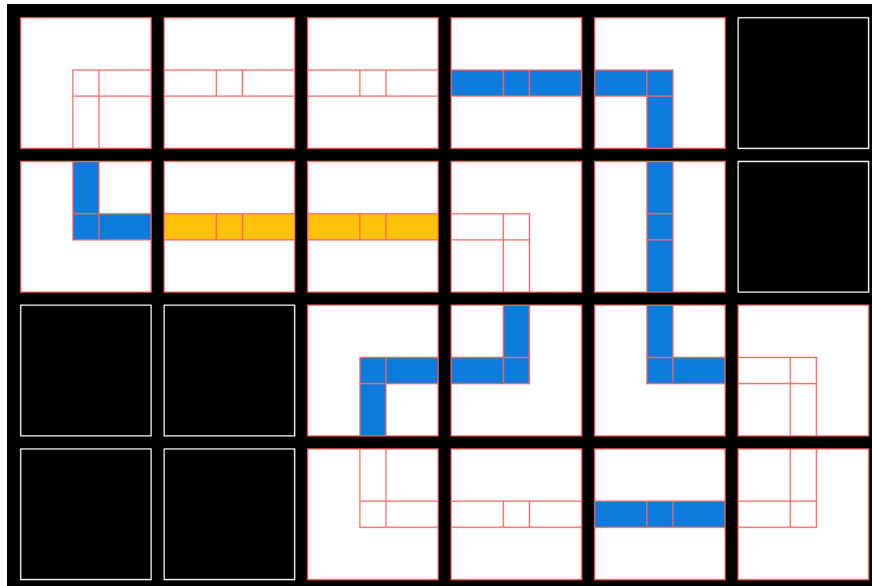
Figure 221: 1-2-2-3

Move	New State	Result
A1	1-2-2-2	Loss
A1,A2	1-1-2-2	Win
A1,A2,A3	1-2-2	Loss
A2	1-1-1-2-2	Loss
A2,A3	1-1-2-2	Win
A3	1-2-2-2	Loss
B4	2-2-3	Loss
C6	1-1-2-3	Loss
C6,D6	1-2-3	Win
D3	1-1-2-3	Loss
D3,D4	1-2-3	Win
D4	1-1-2-3	Loss
D6	1-1-2-3	Loss

1-2-2-L
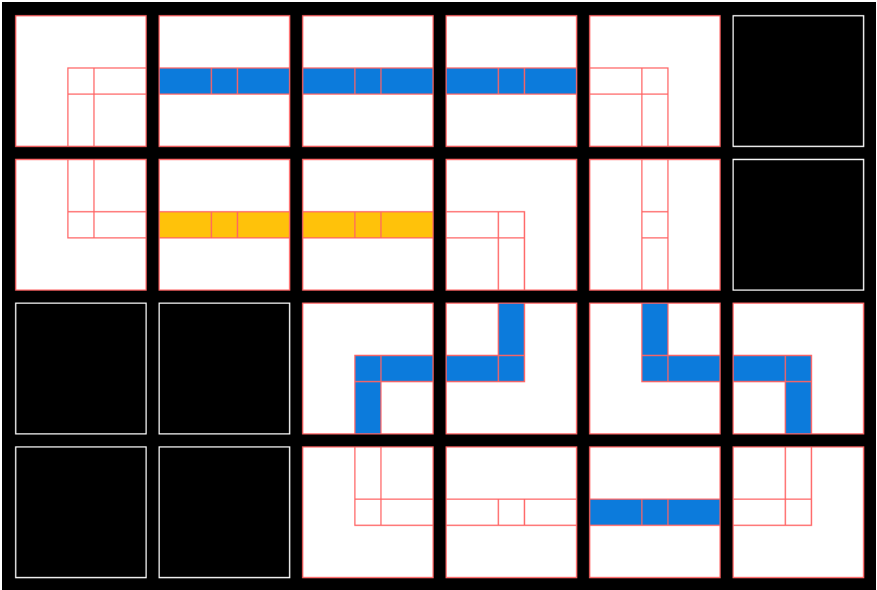
Figure 222: 1-2-2-L

Move	New State	Result
A1	1-1-2-L	Loss
A1,B1	1-2-L	Win
A5	1-2-2-2	Loss
A5,B5	1-1-2-2	Win
B1	1-1-2-L	Loss
B4	1-2-2-2	Loss
B4,B5	1-1-2-2	Win
B5	1-1-1-2-2	Loss
D3	1-1-2-L	Loss
D3,D4	1-2-L	Win
D4	1-1-2-L	Loss
D6	2-2-L	Loss

1-2-2-Lx
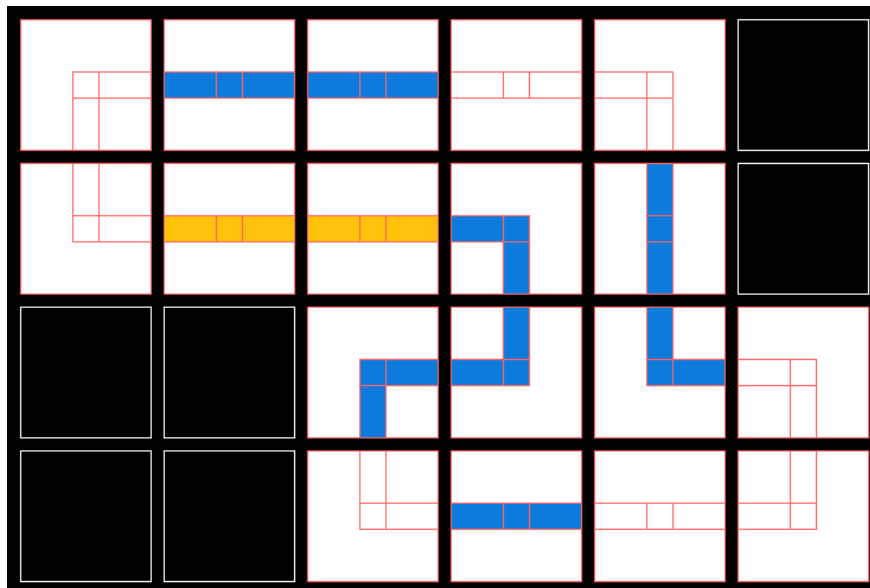
Figure 223: 1-2-2-Lx

Move	New State	Result
A1	1-1-2-Lx	Loss
A1,B1	1-2-Lx	Loss
A4	1-1-2-Lx	Loss
A4,A5	1-2-Lx	Loss
A5	1-1-2-Lx	Loss
B1	1-1-2-Lx	Loss
C6	1-2-2-2	Loss
C6,D6	1-1-2-2	Win
D3	2-2-Lx	Win
D5	1-2-2-2	Loss
D5,D6	1-1-2-2	Win

1-2-5
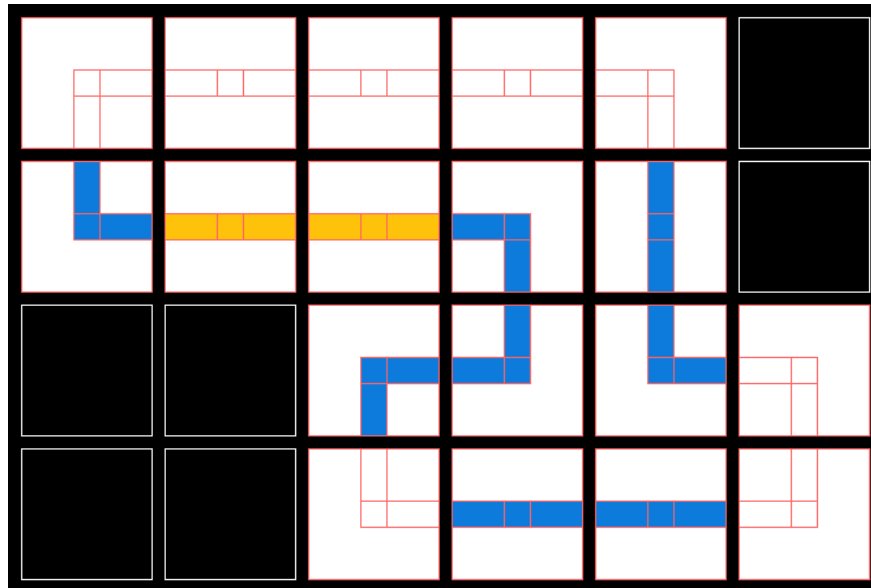
Figure 224: 1-2-5

Move	New State	Result
A1	1-2-4	Loss
A1,A2	1-2-3	Win
A1,A2,A3	1-2-2	Loss
A2	1-1-2-3	Loss
A2,A3	1-1-2-2	Win
A2,A3,A4	1-1-1-2	Loss
A3	1-2-2-2	Loss
A3,A4	1-1-2-2	Win
A3,A4,A5	1-2-2	Loss
A4	1-1-2-3	Loss
A4,A5	1-2-3	Win
A5	1-2-4	Loss
C6	1-1-5	Loss
C6,D6	1-5	Win
D3	2-5	Loss
D6	1-1-5	Loss

1-2-L4
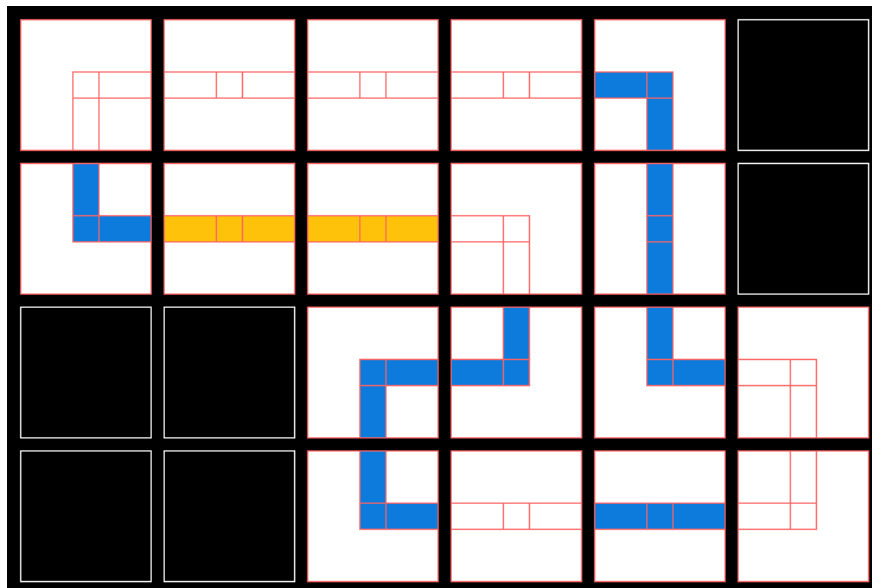
Figure 225: 1-2-L4

Move	New State	Result
A1	1-2-L3	Loss
A1,A2	1-2-L	Win
A1,A2,A3	1-2-2	Loss
A2	1-1-2-L	Loss
A2,A3	1-1-2-2	Win
A2,A3,A4	1-1-1-2	Loss
A3	1-2-2-2	Loss
A3,A4	1-1-2-2	Win
A4	1-1-2-3	Loss
A4,B4	1-2-3	Win
B4	1-2-4	Loss
C6	1-1-L4	Loss
C6,D6	1-L4	Win
D4	2-L4	Loss
D6	1-1-L4	Loss

1-2-L4x
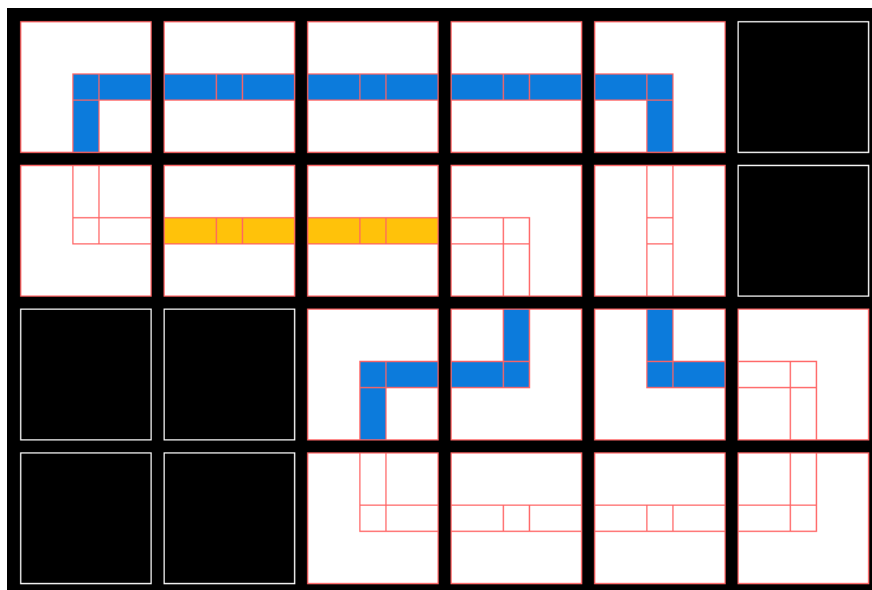
Figure 226: 1-2-L4x

Move	New State	Result
B1	2-L4x	Loss
B4	1-1-L4x	Loss
B4,B5	1-L4x	Loss
B5	1-1-L4x	Loss
C6	1-2-4	Loss
C6,D6	1-2-3	Win
D3	1-2-L3x	Loss
D3,D4	1-2-Lx	Loss
D3,D4,D5	1-2-2	Loss
D4	1-1-2-Lx	Loss
D4,D5	1-1-2-2	Win
D4,D5,D6	1-1-1-2	Loss
D5	1-2-2-2	Loss
D5,D6	1-1-2-2	Win

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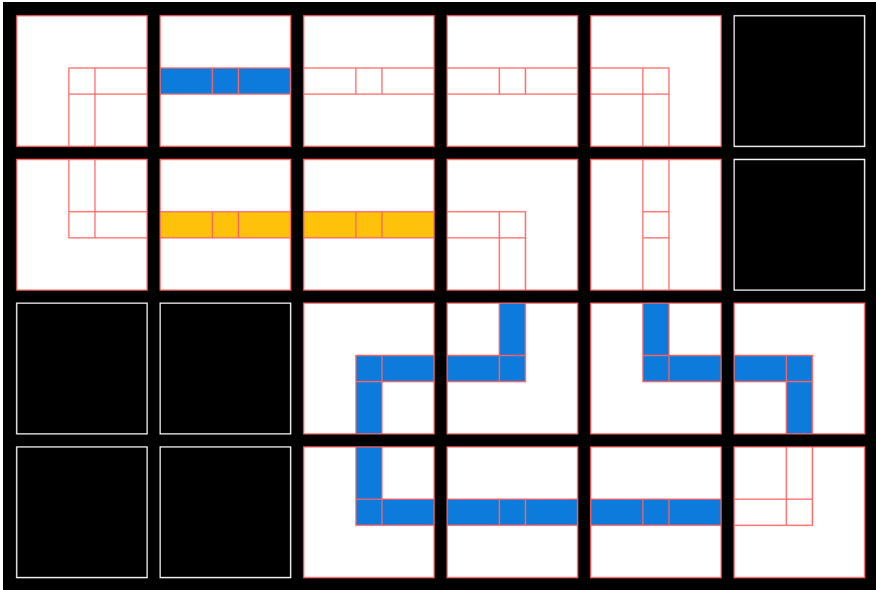
1-2-S+1

Figure 227: 1-2-S+1

Move	New State	Result
A1	1-1-S+1	Win
A1,B1	1-S+1	Loss
A3	1-2-S	Loss
A3,A4	1-2-L	Win
A3,A4,A5	1-2-2	Loss
A4,B4	1-1-2-2	Win
A5,B5	1-2-L	Win
B1	1-1-S+1	Win
B4	1-2-L3x	Loss
B4,B5	1-2-3	Win
B5	1-2-T	Loss
D6	2-S+1	Loss

1-2-T4
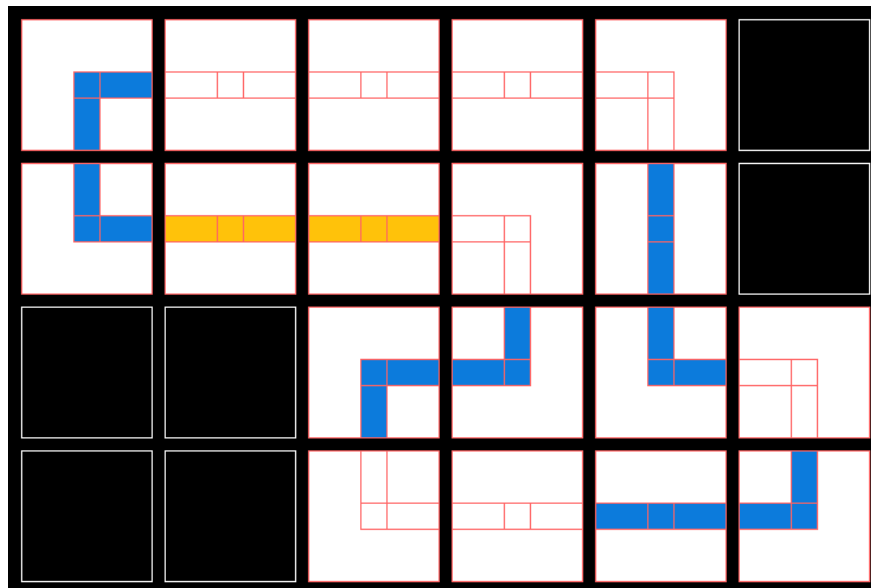
Figure 228: 1-2-T4

Move	New State	Result
A2	1-2-T	Loss
A2,A3	1-2-L	Win
A2,A3,A4	1-1-1-2	Loss
A3	1-1-2-L	Loss
A3,A4	1-1-1-1-2	Loss
A3,A4,A5	1-1-1-2	Loss
A4,A5	1-1-2-2	Win
A4,B4	1-1-2-2	Win
A5	1-2-L3	Loss
B4	1-2-4	Loss
C6	2-T4	Loss
D3	1-1-T4	Loss
D3,D4	1-T4	Loss
D4	1-1-T4	Loss

1-3-4
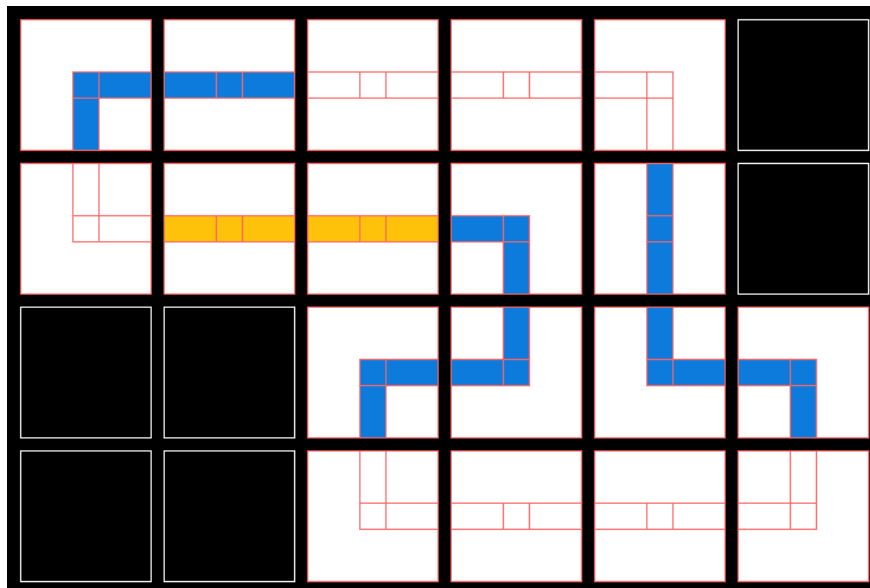
Figure 229: 1-3-4

Move	New State	Result
A3	1-2-4	Loss
A3,A4	1-1-4	Loss
A3,A4,A5	1-4	Loss
A4	1-1-1-4	Loss
A4,A5	1-1-4	Loss
A5	1-2-4	Loss
B1	3-4	Loss
D3	1-3-3	Loss
D3,D4	1-2-3	Win
D3,D4,D5	1-1-3	Loss
D4	1-1-2-3	Loss
D4,D5	1-1-1-3	Loss
D4,D5,D6	1-1-3	Loss
D5	1-1-2-3	Loss
D5,D6	1-2-3	Win
D6	1-3-3	Loss

1-3-L3x
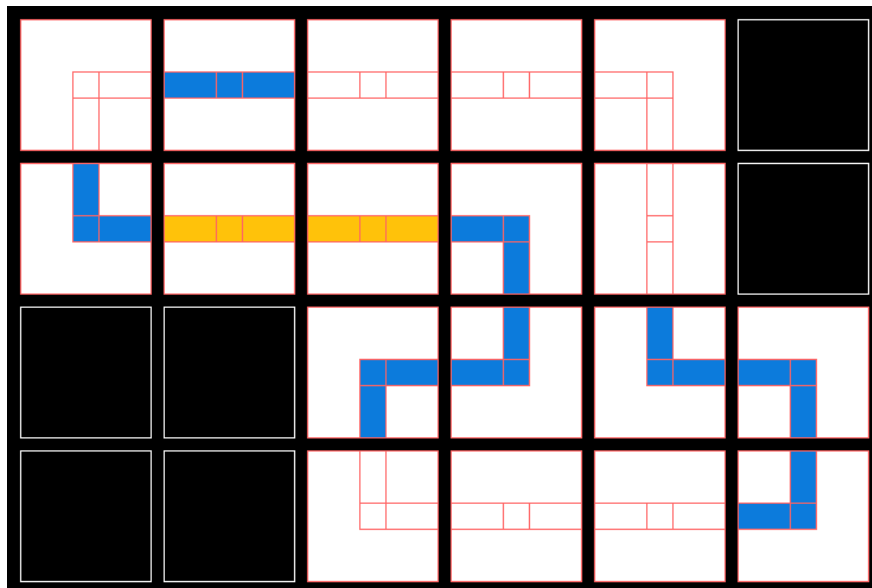
Figure 230: 1-3-L3x

Move	New State	Result
A1	3-L3x	Loss
A3	1-3-Lx	Loss
A3,A4	1-2-3	Win
A3,A4,A5	1-1-3	Loss
A4	1-1-2-3	Loss
A4,A5	1-1-1-3	Loss
A5,B5	1-2-3	Win
B5	1-3-3	Loss
D3	1-2-L3x	Loss
D3,D4	1-1-L3x	Loss
D3,D4,D5	1-L3x	Loss
D4	1-1-1-L3x	Loss
D4,D5	1-1-L3x	Loss
D5	1-2-L3x	Loss

1-3-S
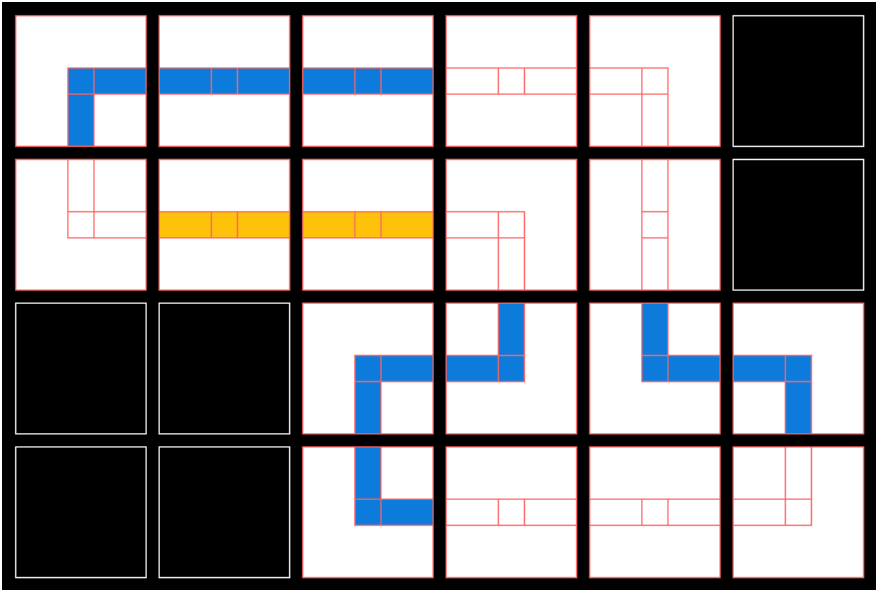
Figure 231: 1-3-S

Move	New State	Result
A4	1-3-L	Loss
A4,A5	1-2-3	Win
A4,B4	1-2-3	Win
A5,B5	1-2-3	Win
B1	3-S	Loss
B4	1-3-Lx	Loss
B4,B5	1-2-3	Win
B5	1-3-L	Loss
D4	1-2-S	Loss
D4,D5	1-1-S	Loss
D4,D5,D6	1-S	Win
D5	1-1-1-S	Win
D5,D6	1-1-S	Loss
D6	1-2-S	Loss

1-3-T
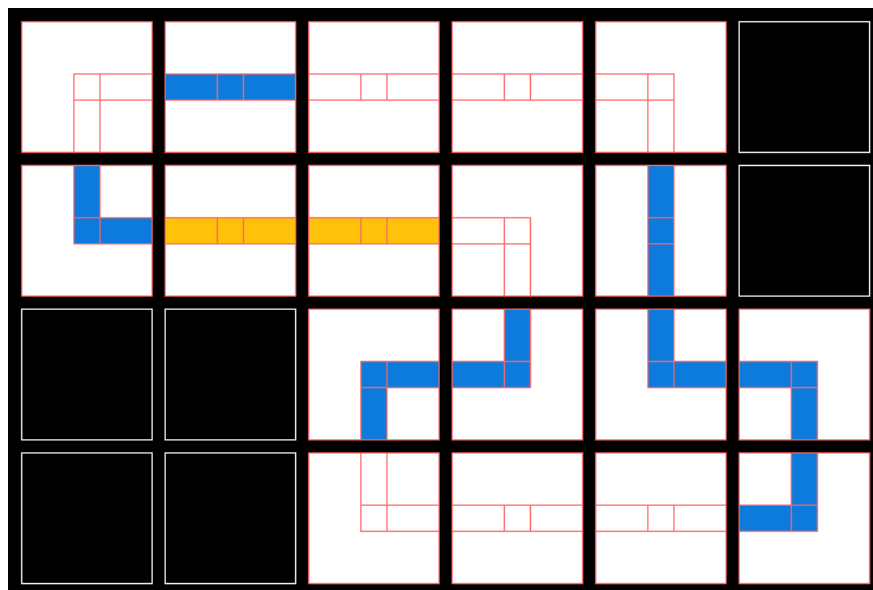
Figure 232: 1-3-T

Move	New State	Result
A1	3-T	Loss
A3	1-3-L	Loss
A3,A4	1-1-1-3	Loss
A3,A4,A5	1-1-3	Loss
A4,A5	1-1-1-3	Loss
A4,B4	1-1-1-3	Loss
A5	1-3-L	Loss
B4	1-3-3	Loss
D3	1-2-T	Loss
D3,D4	1-1-T	Loss
D3,D4,D5	1-T	Loss
D4	1-1-1-T	Loss
D4,D5	1-1-T	Loss
D5	1-2-T	Loss

1-4-L
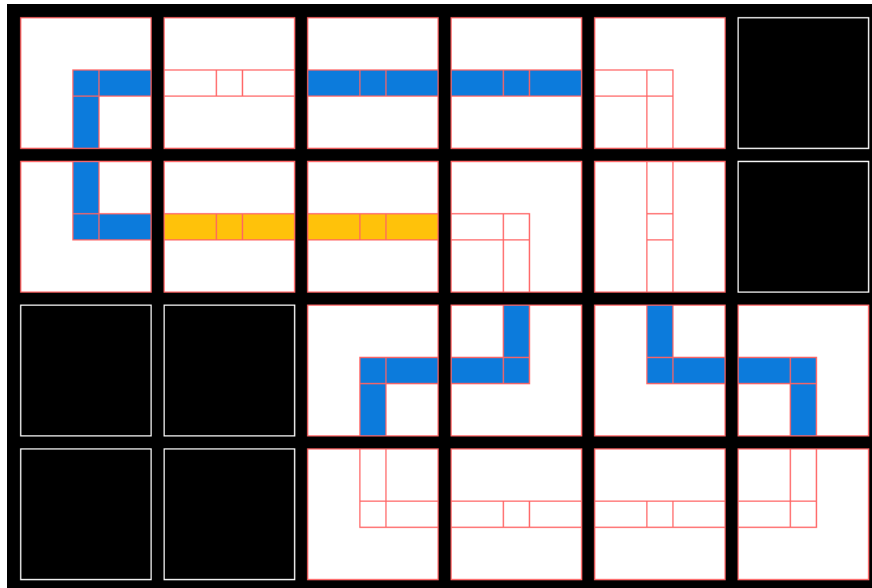
Figure 233: 1-4-L

Move	New State	Result
A2	4-L	Loss
A5	1-2-4	Loss
A5,B5	1-1-4	Loss
B4	1-2-4	Loss
B4,B5	1-1-4	Loss
B5	1-1-1-4	Loss
D3	1-3-L	Loss
D3,D4	1-2-L	Win
D3,D4,D5	1-1-L	Loss
D4	1-1-2-L	Loss
D4,D5	1-1-1-L	Loss
D4,D5,D6	1-1-L	Loss
D5	1-1-2-L	Loss
D5,D6	1-2-L	Win
D6	1-3-L	Loss

1-4-Lx
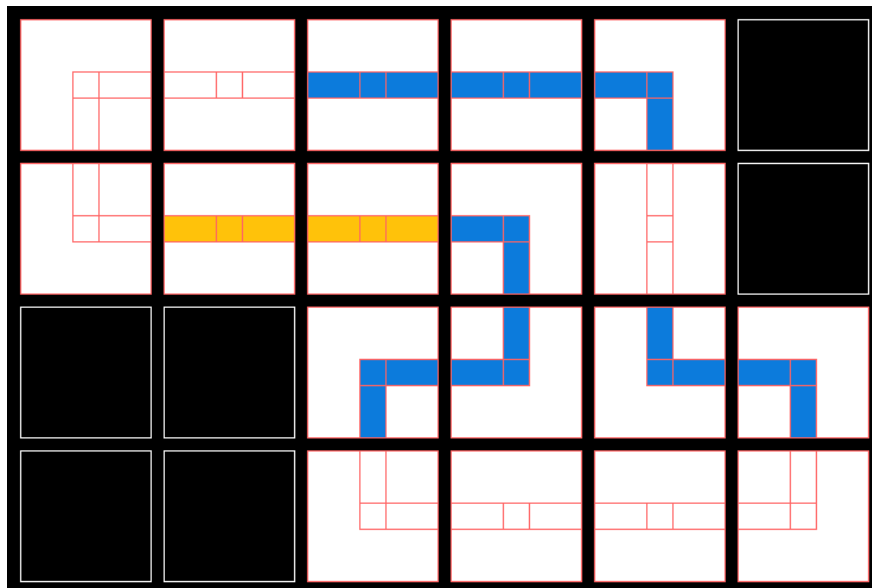
Figure 234: 1-4-Lx

Move	New State	Result
A1,A2	1-1-4	Loss
A1,B1	1-1-4	Loss
A2	1-2-4	Loss
B1	1-2-4	Loss
B5	4-Lx	Loss
D3	1-3-Lx	Loss
D3,D4	1-2-Lx	Loss
D3,D4,D5	1-1-Lx	Win
D4	1-1-2-Lx	Loss
D4,D5	1-1-1-Lx	Loss
D4,D5,D6	1-1-Lx	Win
D5	1-1-2-Lx	Loss
D5,D6	1-2-Lx	Loss
D6	1-3-Lx	Loss

1-C4+1
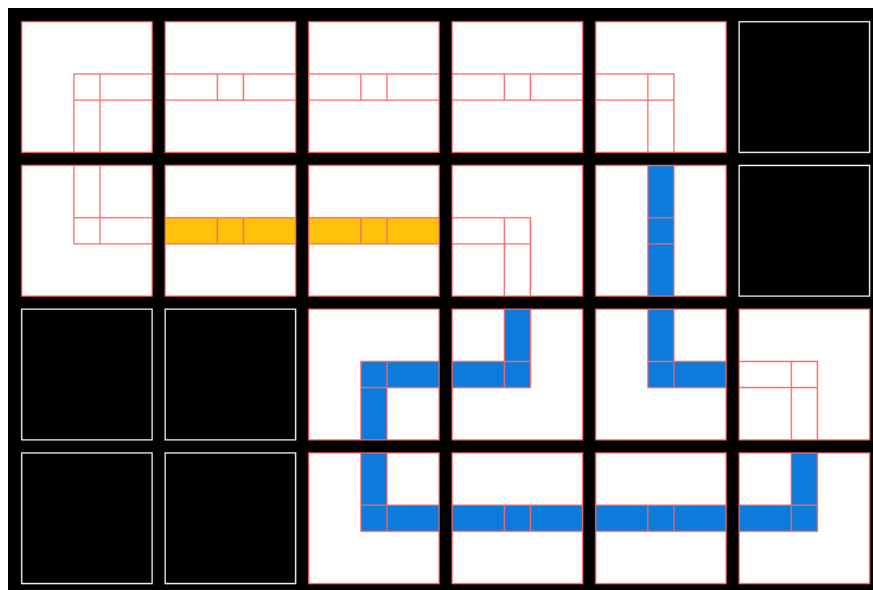
Figure 235: 1-C4+1

Move	New State	Result
A1,A2	1-1-T	Loss
A1,A2,A3	1-1-L	Loss
A1,B1	1-T4	Loss
A2	1-2-T	Loss
A2,A3	1-2-L	Win
A2,A3,A4	1-1-1-2	Loss
A3	1-L-Lx	Loss
A3,A4	1-1-1-Lx	Loss
A3,A4,A5	1-1-Lx	Win
A4,A5	1-1-L3x	Loss
A4,B4	1-1-L3x	Loss
A5	1-C4	Loss
B1	1-T5	Loss
B4	1-L5x	Loss
C6	C4+1	Loss

1-C5
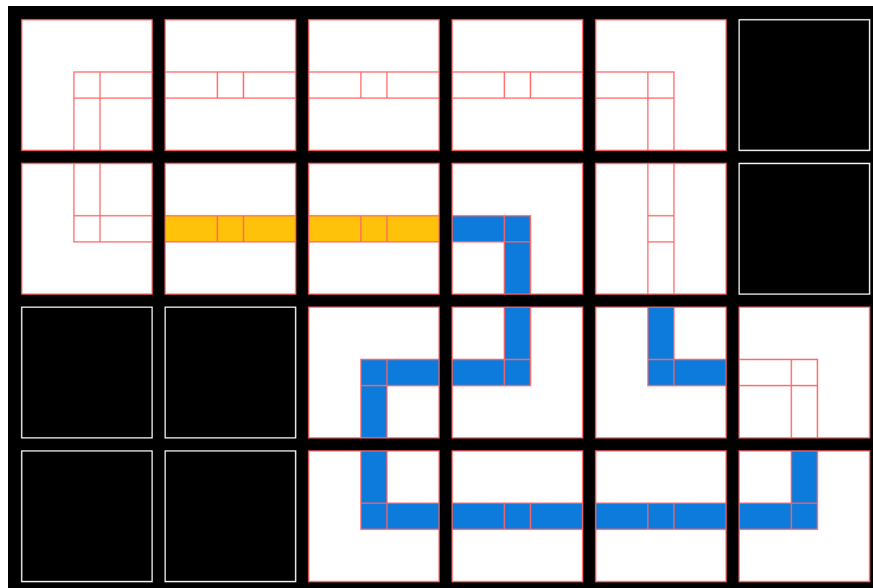
Figure 236: 1-C5

Move	New State	Result
A1,A2	1-1-L3x	Loss
A1,A2,A3	1-1-Lx	Win
A1,B1	1-L4x	Loss
A2	1-2-L3x	Loss
A2,A3	1-2-Lx	Loss
A2,A3,A4	1-2-2	Loss
A3	1-Lx-Lx	Loss
A3,A4	1-2-Lx	Loss
A3,A4,A5	1-1-Lx	Win
A4	1-2-L3x	Loss
A4,A5	1-1-L3x	Loss
A5,B5	1-L4x	Loss
B1	1-L5x	Loss
B5	1-L5x	Loss
C6	C5	Loss

1-L-L3x
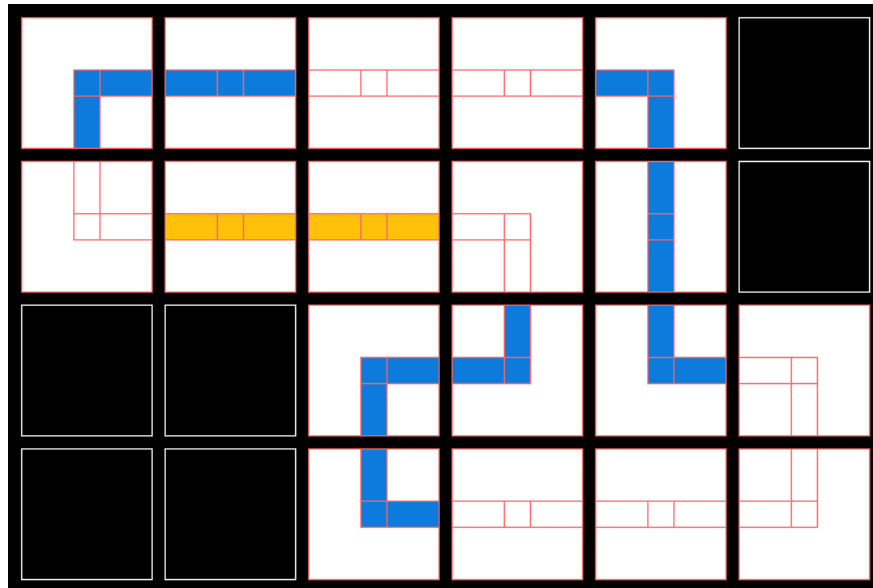
Figure 237: 1-L-L3x

Move	New State	Result
A3	1-2-L3x	Loss
A3,A4	1-1-L3x	Loss
A4	1-1-1-L3x	Loss
A4,B4	1-1-L3x	Loss
B1	L-L3x	Loss
B4	1-2-L3x	Loss
C6	1-3-L	Loss
C6,D6	1-2-L	Win
D4	1-L-Lx	Loss
D4,D5	1-2-L	Win
D4,D5,D6	1-1-L	Loss
D5	1-1-2-L	Loss
D5,D6	1-1-1-L	Loss

1-L3-Lx
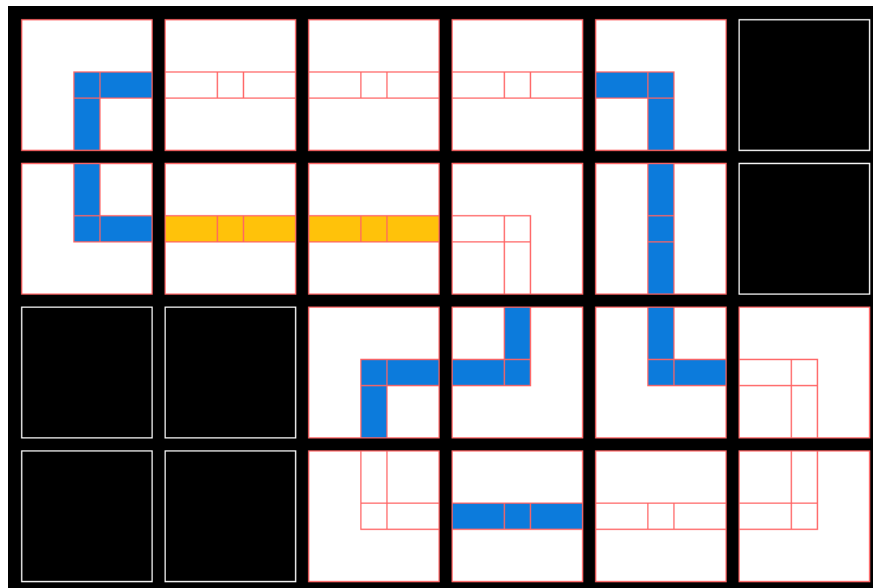
Figure 238: 1-L3-Lx

Move	New State	Result
A2	1-L-Lx	Loss
A2,A3	1-2-Lx	Loss
A2,A3,A4	1-1-Lx	Win
A3	1-1-2-Lx	Loss
A3,A4	1-1-1-Lx	Loss
A4	1-1-2-Lx	Loss
A4,B4	1-2-Lx	Loss
B4	1-3-Lx	Loss
C6	1-2-L3	Loss
C6,D6	1-1-L3	Loss
D3	L3-Lx	Loss
D5	1-2-L3	Loss
D5,D6	1-1-L3	Loss

1-L3x-Lx
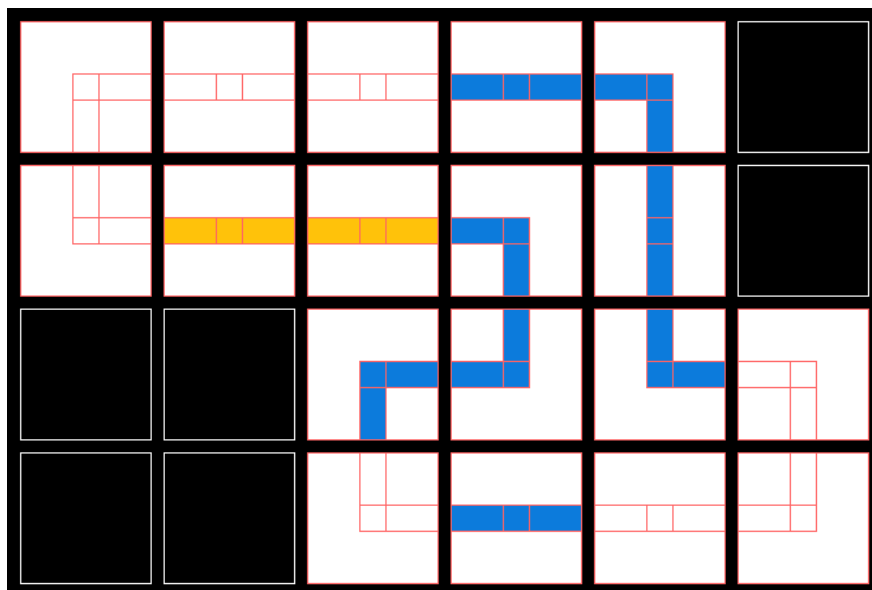
Figure 239: 1-L3x-Lx

Move	New State	Result
A1,A2	1-1-1-Lx	Loss
A1,A2,A3	1-1-Lx	Win
A1,B1	1-2-Lx	Loss
A2	1-1-2-Lx	Loss
A2,A3	1-2-Lx	Loss
A3	1-Lx-Lx	Loss
B1	1-3-Lx	Loss
C6	1-2-L3x	Loss
C6,D6	1-1-L3x	Loss
D3	L3x-Lx	Loss
D5	1-2-L3x	Loss
D5,D6	1-1-L3x	Loss

1-Lx-S
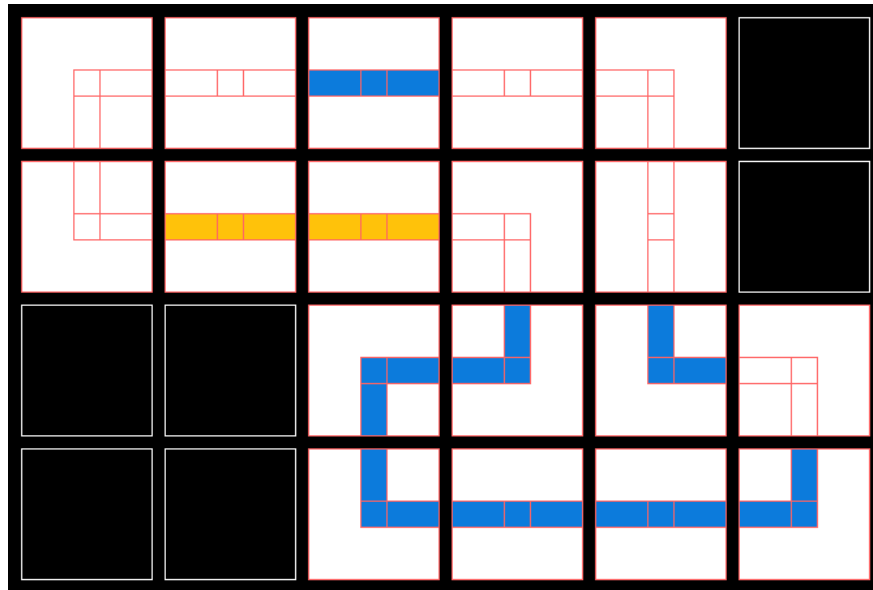
Figure 240: 1-Lx-S

Move	New State	Result
A1,A2	1-1-S	Loss
A1,B1	1-1-S	Loss
A2	1-2-S	Loss
A4	1-L-Lx	Loss
A4,A5	1-2-Lx	Loss
A4,B4	1-2-Lx	Loss
A5,B5	1-2-Lx	Loss
B1	1-2-S	Loss
B4	1-Lx-Lx	Loss
B4,B5	1-2-Lx	Loss
B5	1-L-Lx	Loss
C6	Lx-S	Loss

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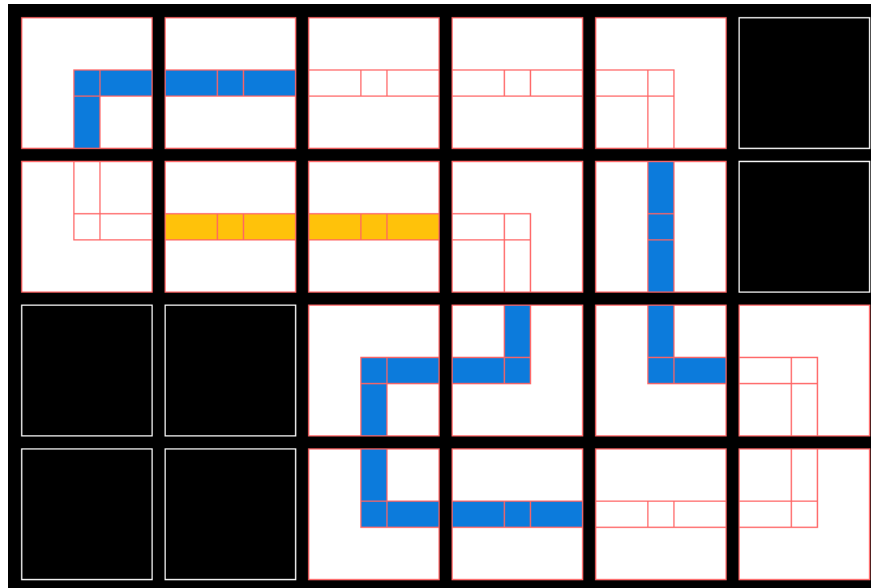
1-Lx-T

Figure 241: 1-Lx-T

Move	New State	Result
A3	1-L-Lx	Loss
A3,A4	1-1-1-Lx	Loss
A3,A4,A5	1-1-Lx	Win
A4,A5	1-1-1-Lx	Loss
A4,B4	1-1-1-Lx	Loss
A5	1-L-Lx	Loss
B1	Lx-T	Loss
B4	1-3-Lx	Loss
C6	1-2-T	Loss
C6,D6	1-1-T	Loss
D5	1-2-T	Loss
D5,D6	1-1-T	Loss

1-S+3
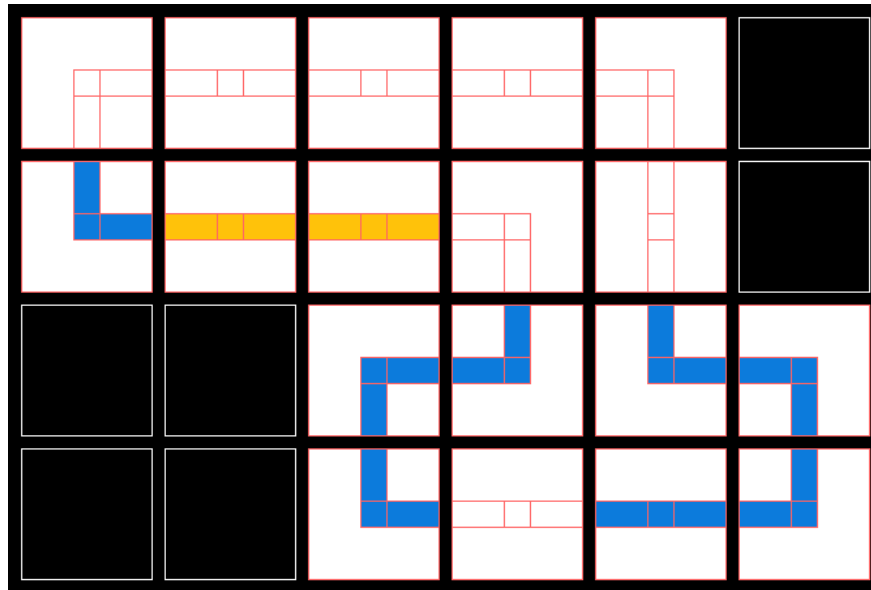
Figure 242: 1-S+3

Move	New State	Result
A1	1-S+2	Loss
A1,A2	1-S+1	Loss
A1,A2,A3	1-S	Win
A2	1-1-S+1	Win
A2,A3	1-1-S	Loss
A2,A3,A4	1-1-L	Loss
A3	1-2-S	Loss
A3,A4	1-2-L	Win
A3,A4,A5	1-2-2	Loss
A4,B4	1-2-3	Win
A5,B5	1-L4	Win
B4	1-L5x	Loss
B4,B5	1-5	Win
B5	1-T5	Loss
D4	S+3	Loss

2-2-2-2
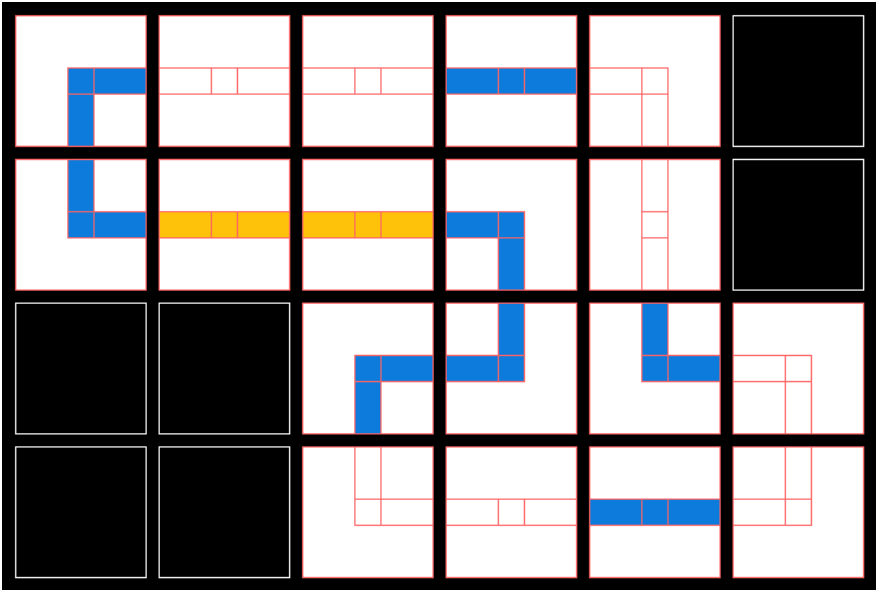
Figure 243: 2-2-2-2

Move	New State	Result
A2	1-2-2-2	Loss
A2,A3	2-2-2	Loss
A3	1-2-2-2	Loss
A5	1-2-2-2	Loss
A5,B5	2-2-2	Loss
B5	1-2-2-2	Loss
C6	1-2-2-2	Loss
C6,D6	2-2-2	Loss
D3	1-2-2-2	Loss
D3,D4	2-2-2	Loss
D4	1-2-2-2	Loss
D6	1-2-2-2	Loss

2-2-4
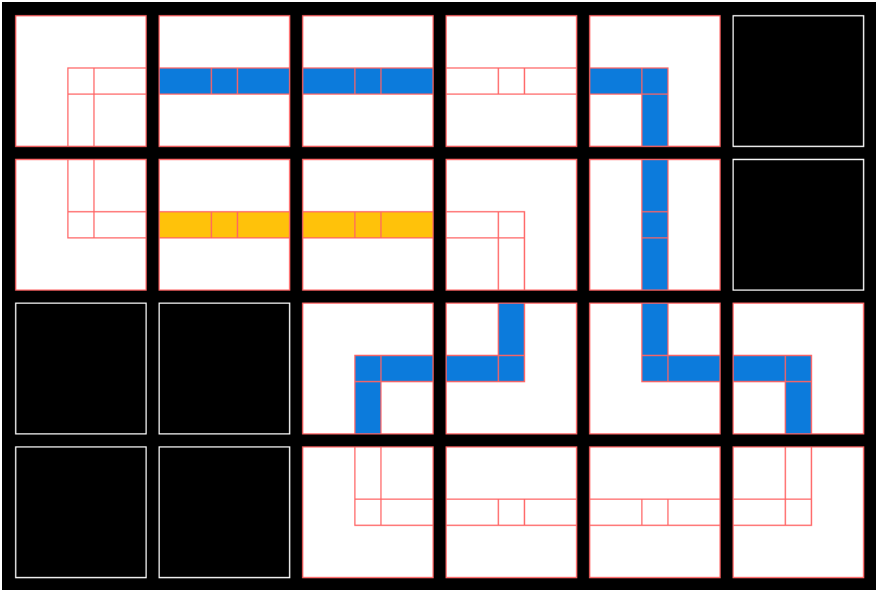
Figure 244: 2-2-4

Move	New State	Result
A1	1-2-4	Loss
A1,B1	2-4	Loss
A4	1-2-4	Loss
A4,B4	2-4	Loss
B1	1-2-4	Loss
B4	1-2-4	Loss
D3	2-2-3	Loss
D3,D4	2-2-2	Loss
D3,D4,D5	1-2-2	Loss
D4	1-2-2-2	Loss
D4,D5	1-1-2-2	Win
D4,D5,D6	1-2-2	Loss
D5	1-2-2-2	Loss
D5,D6	2-2-2	Loss
D6	2-2-3	Loss

242
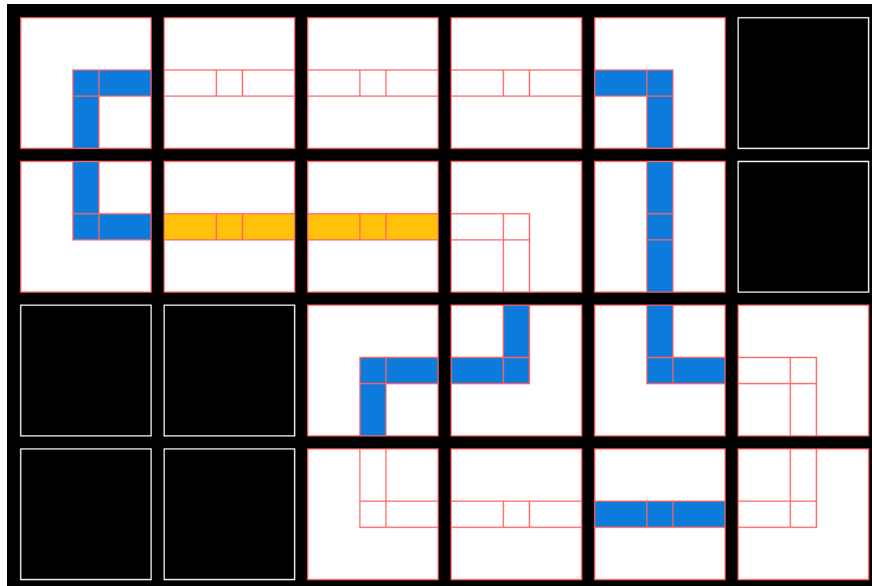
2-2-L3

Figure 245: 2-2-L3

Move	New State	Result
A2	2-2-L	Loss
A2,A3	2-2-2	Loss
A2,A3,A4	1-2-2	Loss
A3	1-2-2-2	Loss
A3,A4	1-1-2-2	Win
A4	1-2-2-2	Loss
A4,B4	2-2-2	Loss
B4	2-2-3	Loss
C6	1-2-L3	Loss
C6,D6	2-L3	Loss
D3	1-2-L3	Loss
D3,D4	2-L3	Loss
D4	1-2-L3	Loss
D6	1-2-L3	Loss

2-2-L3x
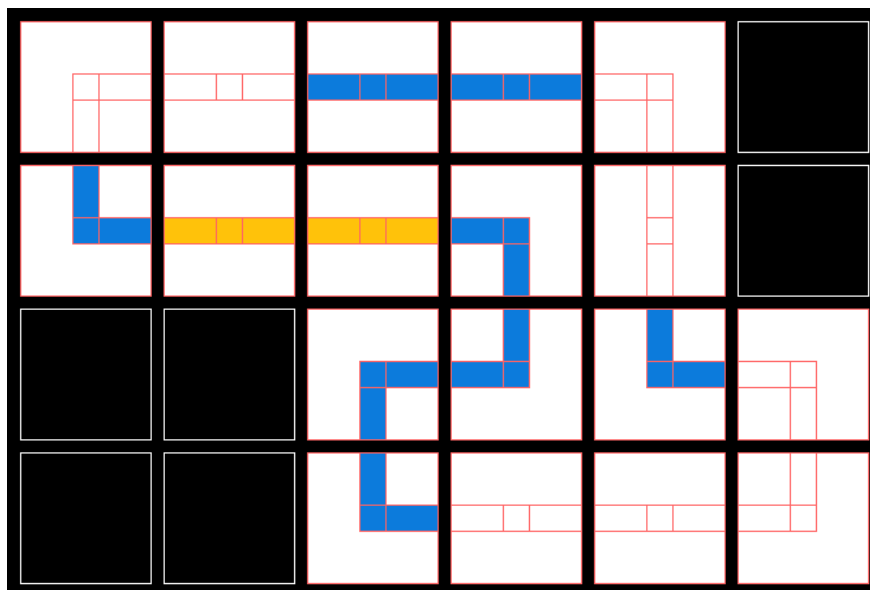
Figure 246: 2-2-L3x

Move	New State	Result
A1	1-2-L3x	Loss
A1,A2	2-L3x	Loss
A2	1-2-L3x	Loss
A5	1-2-L3x	Loss
A5,B5	2-L3x	Loss
B5	1-2-L3x	Loss
C6	2-2-3	Loss
C6,D6	2-2-2	Loss
D4	2-2-Lx	Win
D4,D5	2-2-2	Loss
D4,D5,D6	1-2-2	Loss
D5	1-2-2-2	Loss
D5,D6	1-1-2-2	Win

2-2-S
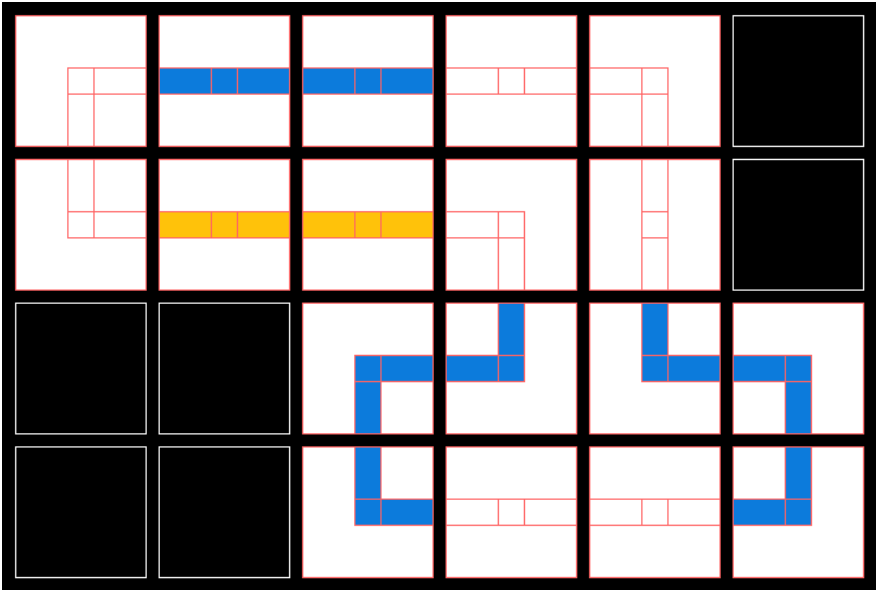
Figure 247: 2-2-S

Move	New State	Result
A1	1-2-S	Loss
A1,B1	2-S	Loss
A4	2-2-L	Loss
A4,A5	2-2-2	Loss
A4,B4	2-2-2	Loss
A5,B5	2-2-2	Loss
B1	1-2-S	Loss
B4	2-2-Lx	Win
B4,B5	2-2-2	Loss
B5	2-2-L	Loss
D4	1-2-S	Loss
D4,D5	2-S	Loss
D5	1-2-S	Loss

2-2-T
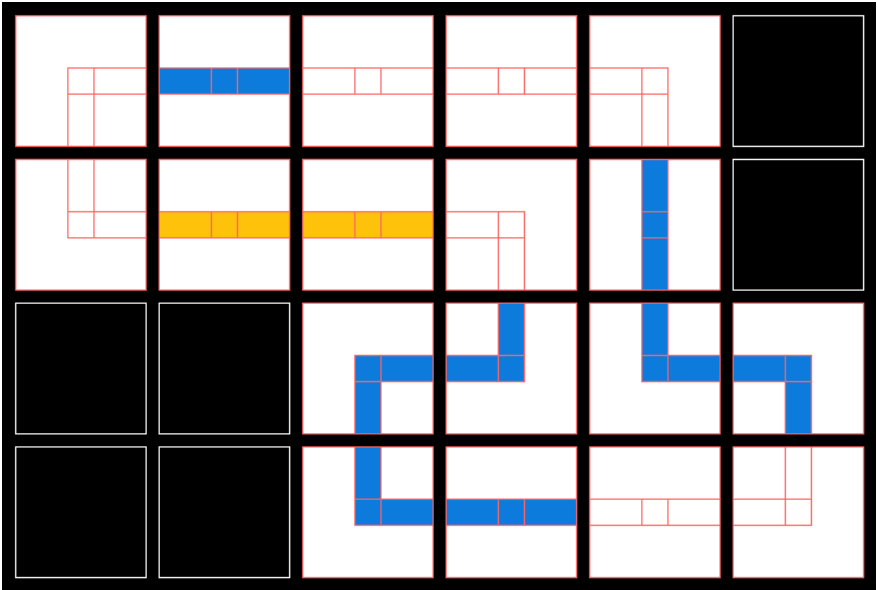
Figure 248: 2-2-T

Move	New State	Result
A1	1-2-T	Loss
A1,B1	2-T	Win
A3	2-2-L	Loss
A3,A4	1-1-2-2	Win
A3,A4,A5	1-2-2	Loss
A4,A5	1-1-2-2	Win
A4,B4	1-1-2-2	Win
A5	2-2-L	Loss
B1	1-2-T	Loss
B4	2-2-3	Loss
D5	1-2-T	Loss
D5,D6	2-T	Win
D6	1-2-T	Loss

2-3-3
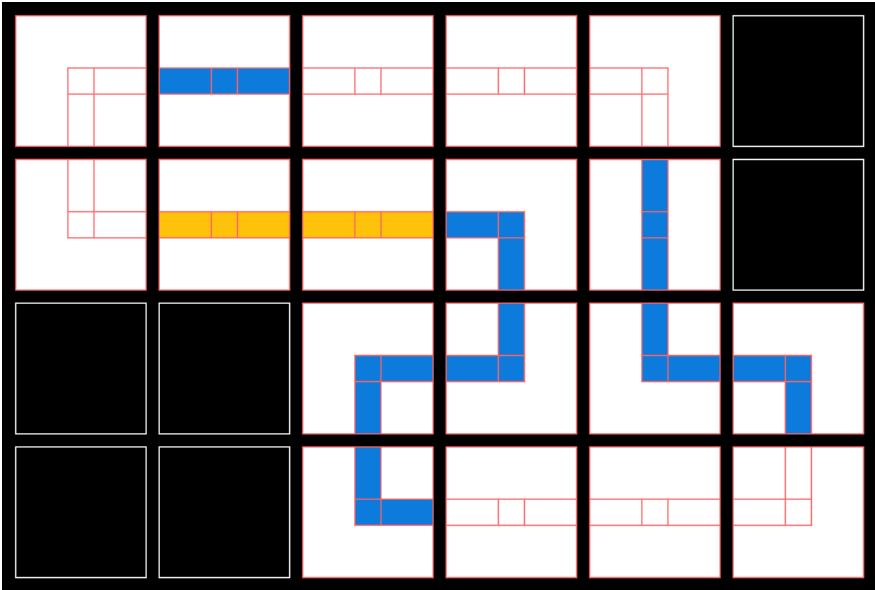
Figure 249: 2-3-3

Move	New State	Result
A1	1-3-3	Loss
A1,B1	3-3	Win
A3	2-2-3	Loss
A3,A4	1-2-3	Win
A3,A4,A5	2-3	Loss
A4	1-1-2-3	Loss
A4,A5	1-2-3	Win
A5	2-2-3	Loss
B1	1-3-3	Loss
D4	2-2-3	Loss
D4,D5	1-2-3	Win
D4,D5,D6	2-3	Loss
D5	1-1-2-3	Loss
D5,D6	1-2-3	Win
D6	2-2-3	Loss

2-3-L
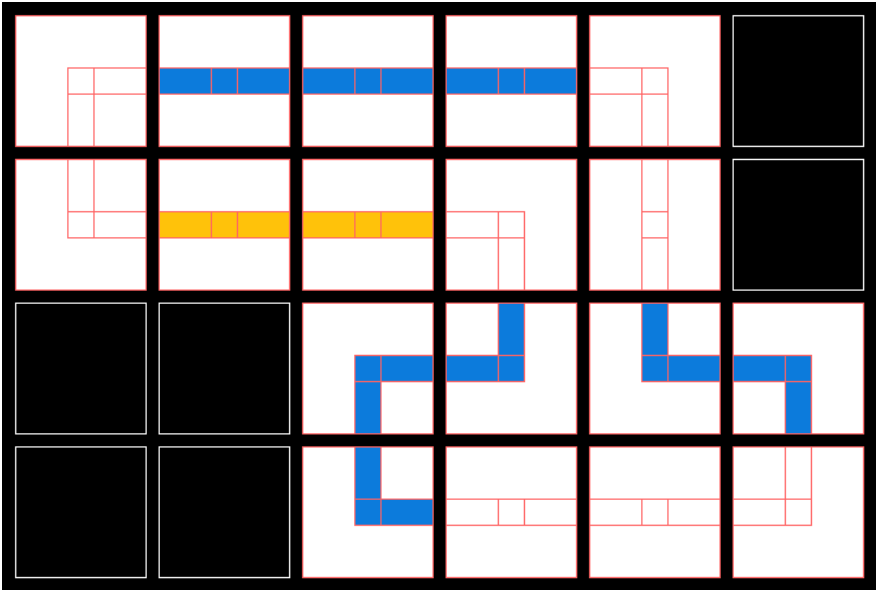
Figure 250: 2-3-L

Move	New State	Result
A1	1-3-L	Loss
A1,B1	3-L	Win
A5	2-2-3	Loss
A5,B5	1-2-3	Win
B1	1-3-L	Loss
B4	2-2-3	Loss
B4,B5	1-2-3	Win
B5	1-1-2-3	Loss
D4	2-2-L	Loss
D4,D5	1-2-L	Win
D4,D5,D6	2-L	Loss
D5	1-1-2-L	Loss
D5,D6	1-2-L	Win
D6	2-2-L	Loss

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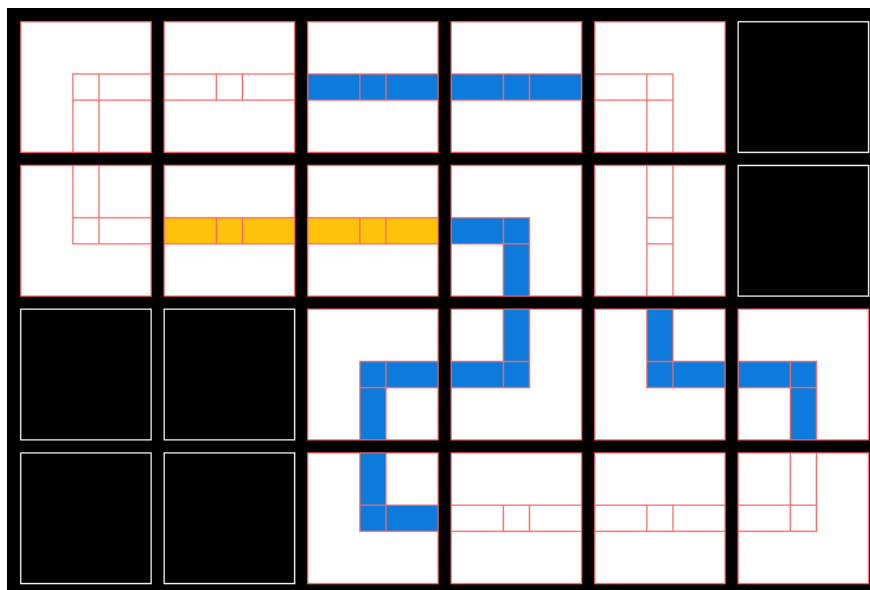
2-3-Lx

Figure 251: 2-3-Lx

Move	New State	Result
A1,A2	1-2-3	Win
A1,B1	1-2-3	Win
A2	2-2-3	Loss
A5	1-3-Lx	Loss
A5,B5	3-Lx	Loss
B1	2-2-3	Loss
B5	1-3-Lx	Loss
D4	2-2-Lx	Win
D4,D5	1-2-Lx	Loss
D4,D5,D6	2-Lx	Loss
D5	1-1-2-Lx	Loss
D5,D6	1-2-Lx	Loss
D6	2-2-Lx	Win

2-C4
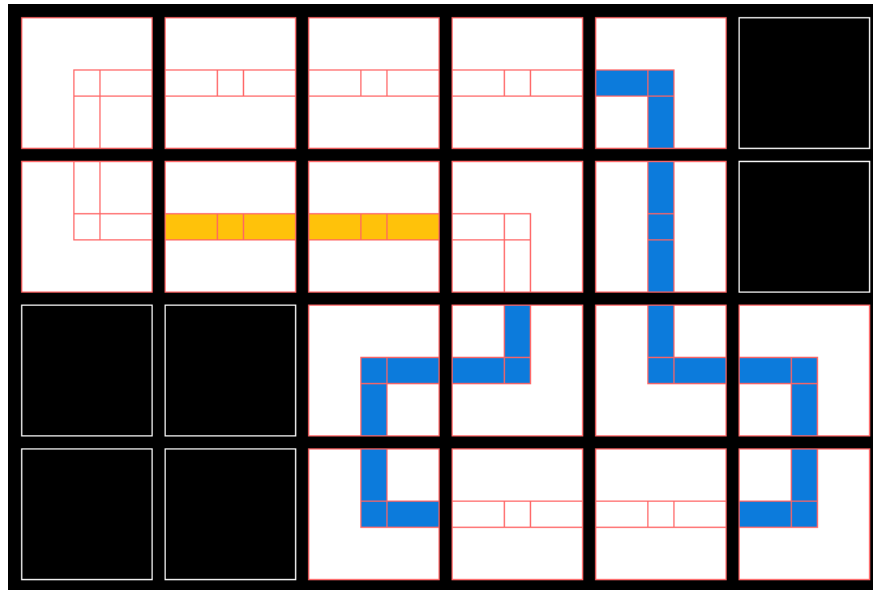
Figure 252: 2-C4

Move	New State	Result
A1,A2	1-2-L	Win
A1,A2,A3	1-2-2	Loss
A1,B1	2-L3	Loss
A2	2-2-L	Loss
A2,A3	2-2-2	Loss
A2,A3,A4	1-2-2	Loss
A3	2-2-Lx	Win
A3,A4	1-2-Lx	Loss
A4	1-2-L3x	Loss
A4,B4	2-L3x	Loss
B1	2-L4	Loss
B4	2-L4x	Loss
D4	1-C4	Loss
D4,D5	C4	Loss
D5	1-C4	Loss

2-L-Lx
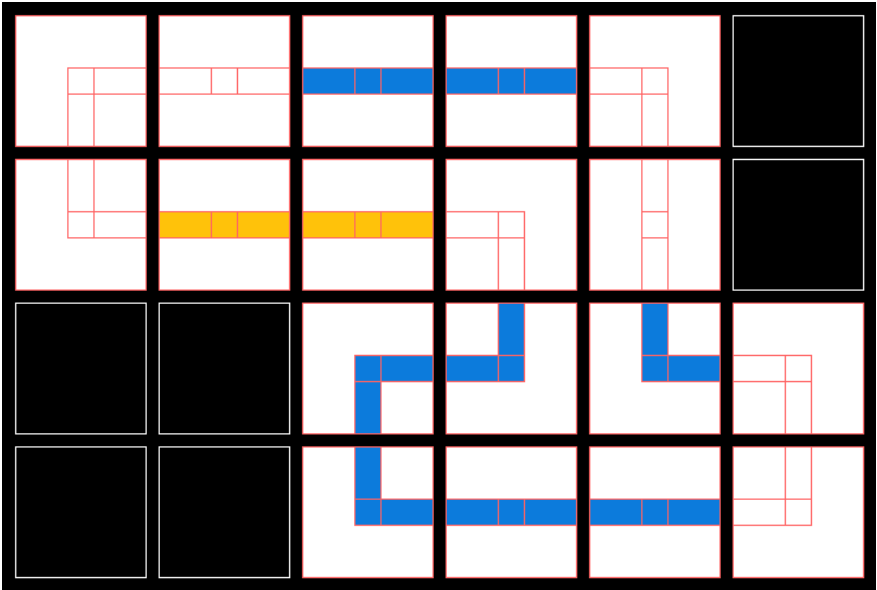
Figure 253: 2-L-Lx

Move	New State	Result
A1,A2	1-2-L	Win
A1,B1	1-2-L	Win
A2	2-2-L	Loss
A5	2-2-Lx	Win
A5,B5	1-2-Lx	Loss
B1	2-2-L	Loss
B4	2-2-Lx	Win
B4,B5	1-2-Lx	Loss
B5	1-1-2-Lx	Loss
C6	1-L-Lx	Loss
C6,D6	L-Lx	Loss
D6	1-L-Lx	Loss

2-L5x
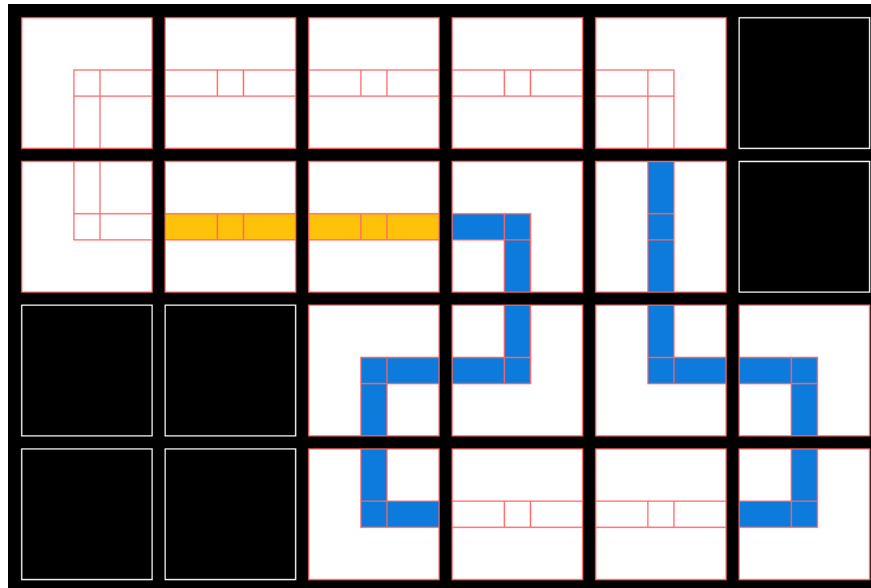
Figure 254: 2-L5x

Move	New State	Result
A1,A2	1-2-3	Win
A1,A2,A3	1-2-2	Loss
A1,B1	2-4	Loss
A2	2-2-3	Loss
A2,A3	2-2-2	Loss
A2,A3,A4	1-2-2	Loss
A3	2-2-Lx	Win
A3,A4	1-2-Lx	Loss
A3,A4,A5	2-Lx	Loss
A4	1-2-L3x	Loss
A4,A5	2-L3x	Loss
A5	2-L4x	Loss
B1	2-5	Loss
D4	1-L5x	Loss
D4,D5	L5x	Loss
D5	1-L5x	Loss

2-Lx-Lx
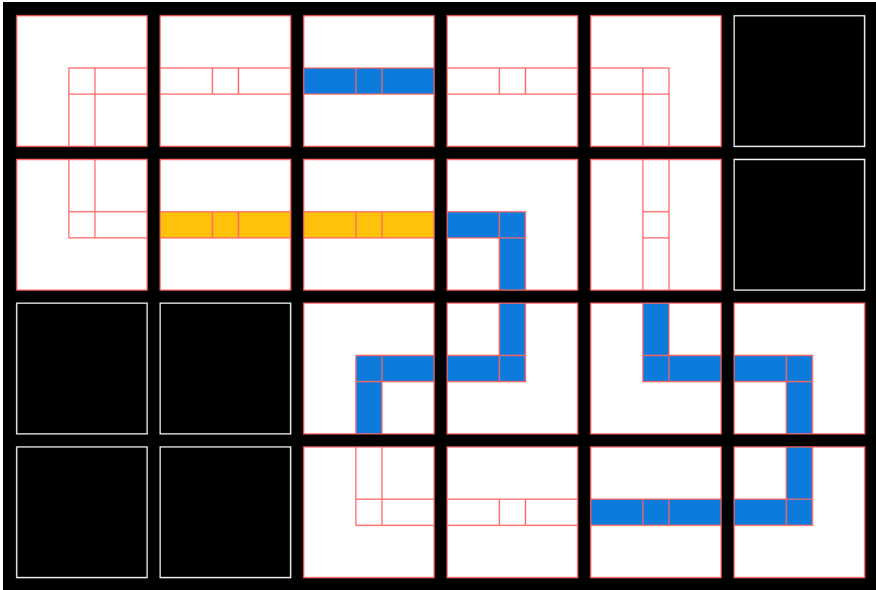
Figure 255: 2-Lx-Lx

Move	New State	Result
A1,A2	1-2-Lx	Loss
A1,B1	1-2-Lx	Loss
A2	2-2-Lx	Win
A4	2-2-Lx	Win
A4,A5	1-2-Lx	Loss
A5,B5	1-2-Lx	Loss
B1	2-2-Lx	Win
B5	2-2-Lx	Win
D3	1-Lx-Lx	Loss
D3,D4	Lx-Lx	Win
D4	1-Lx-Lx	Loss

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2-S+2
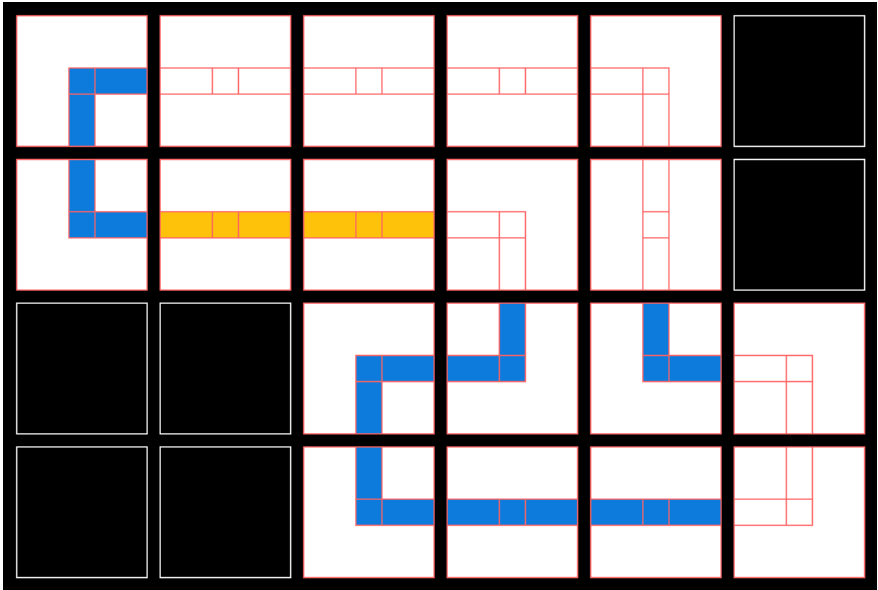
Figure 256: 2-S+2

Move	New State	Result
A2	2-S+1	Loss
A2,A3	2-S	Loss
A2,A3,A4	2-L	Loss
A3	1-2-S	Loss
A3,A4	1-2-L	Win
A3,A4,A5	1-2-2	Loss
A4,B4	2-2-2	Loss
A5,B5	2-L3	Loss
B4	2-L4x	Loss
B4,B5	2-4	Loss
B5	2-T4	Loss
C6	1-S+2	Loss
C6,D6	S+2	Loss
D6	1-S+2	Loss

2-T5
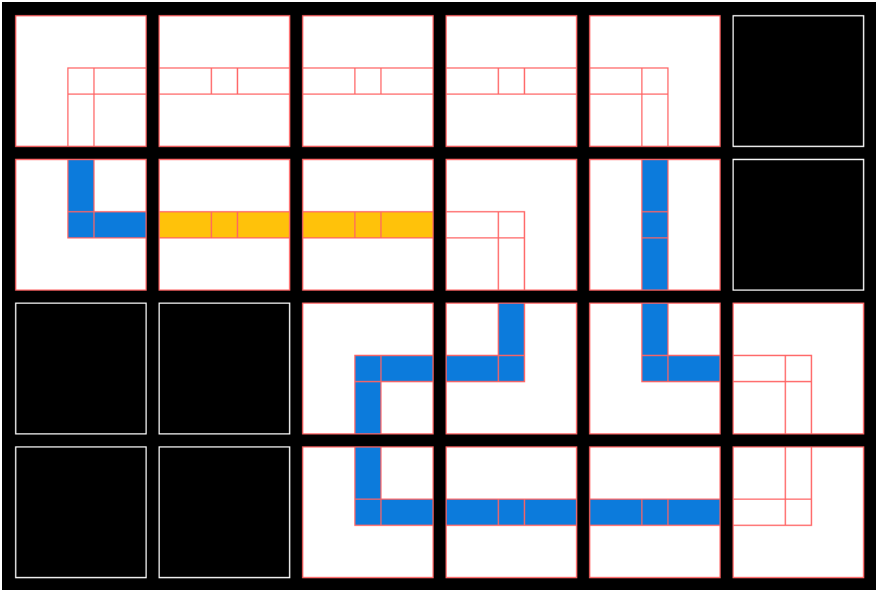
Figure 257: 2-T5

Move	New State	Result
A1	2-T4	Loss
A1,A2	2-T	Win
A1,A2,A3	2-L	Loss
A2	1-2-T	Loss
A2,A3	1-2-L	Win
A2,A3,A4	1-1-1-2	Loss
A3	2-2-L	Loss
A3,A4	1-1-2-2	Win
A3,A4,A5	1-2-2	Loss
A4,A5	1-2-3	Win
A4,B4	1-2-3	Win
A5	2-L4	Loss
B4	2-5	Loss
C6	1-T5	Loss
C6,D6	T5	Win
D6	1-T5	Loss

3-5
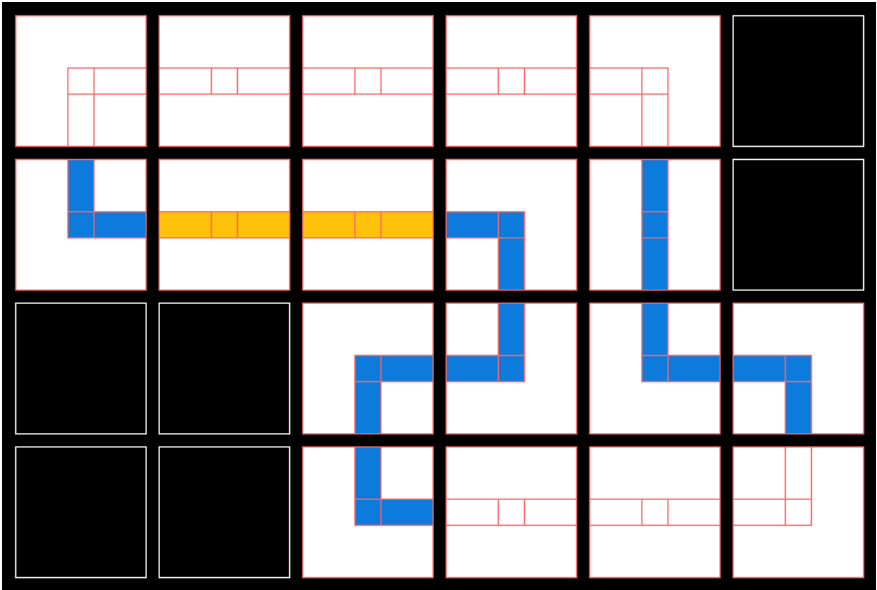
Figure 258: 3-5

Move	New State	Result
A1	3-4	Loss
A1,A2	3-3	Win
A1,A2,A3	2-3	Loss
A2	1-3-3	Loss
A2,A3	1-2-3	Win
A2,A3,A4	1-1-3	Loss
A3	2-2-3	Loss
A3,A4	1-2-3	Win
A3,A4,A5	2-3	Loss
A4	1-3-3	Loss
A4,A5	3-3	Win
A5	3-4	Loss
D4	2-5	Loss
D4,D5	1-5	Win
D4,D5,D6	5	Loss
D5	1-1-5	Loss
D5,D6	1-5	Win
D6	2-5	Loss

3-L4
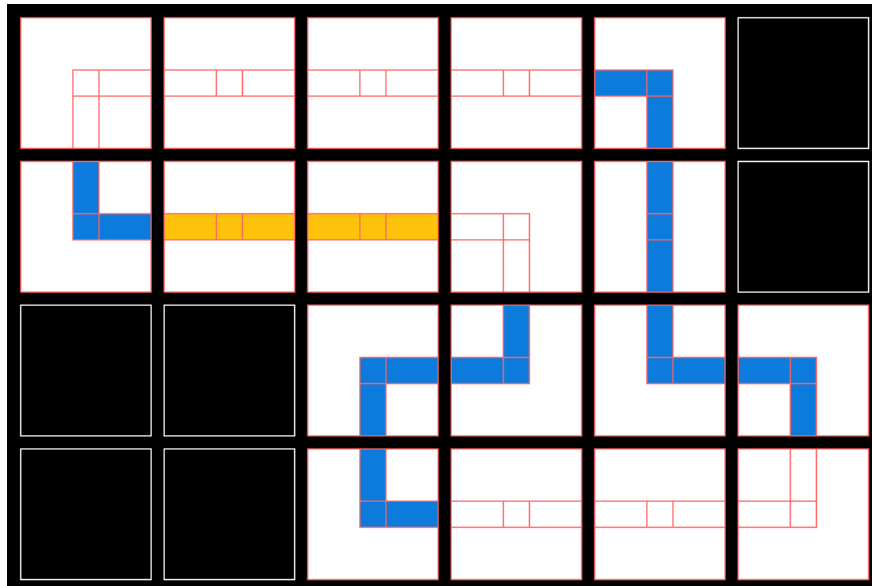
Figure 259: 3-L4

Move	New State	Result
A1	3-L3	Loss
A1,A2	3-L	Win
A1,A2,A3	2-3	Loss
A2	1-3-L	Loss
A2,A3	1-2-3	Win
A2,A3,A4	1-1-3	Loss
A3	2-2-3	Loss
A3,A4	1-2-3	Win
A4	1-3-3	Loss
A4,B4	3-3	Win
B4	3-4	Loss
D4	2-L4	Loss
D4,D5	1-L4	Win
D4,D5,D6	L4	Loss
D5	1-1-L4	Loss
D5,D6	1-L4	Win
D6	2-L4	Loss

3-L4x
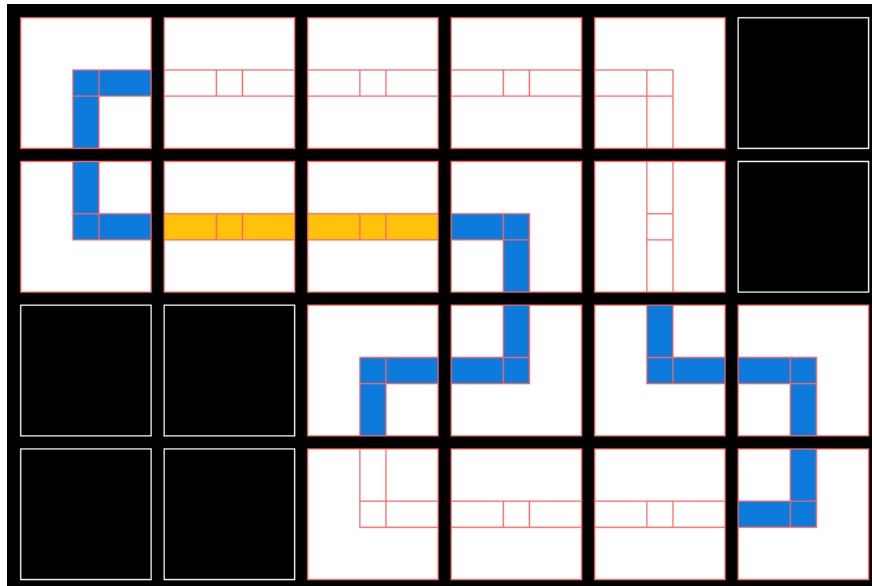
Figure 260: 3-L4x

Move	New State	Result
A2	3-L3x	Loss
A2,A3	3-Lx	Loss
A2,A3,A4	2-3	Loss
A3	1-3-Lx	Loss
A3,A4	1-2-3	Win
A3,A4,A5	1-1-3	Loss
A4	2-2-3	Loss
A4,A5	1-2-3	Win
A5,B5	3-3	Win
B5	3-4	Loss
D3	2-L4x	Loss
D3,D4	1-L4x	Loss
D3,D4,D5	L4x	Loss
D4	1-1-L4x	Loss
D4,D5	1-L4x	Loss
D5	2-L4x	Loss

3-S+1
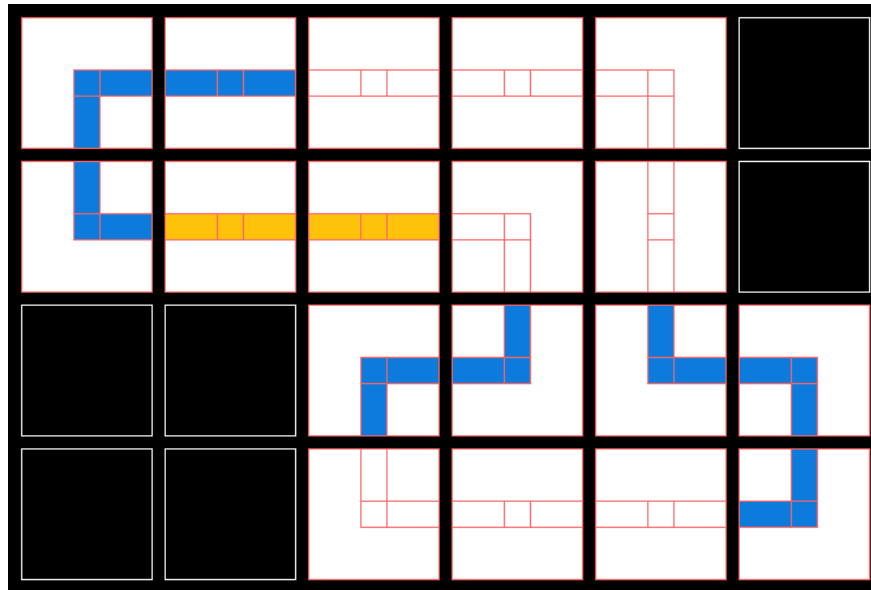
Figure 261: 3-S+1

Move	New State	Result
A3	3-S	Loss
A3,A4	3-L	Win
A3,A4,A5	2-3	Loss
A4,B4	1-2-3	Win
A5,B5	3-L	Win
B4	3-L3x	Loss
B4,B5	3-3	Win
B5	3-T	Loss
D3	2-S+1	Loss
D3,D4	1-S+1	Loss
D3,D4,D5	S+1	Win
D4	1-1-S+1	Win
D4,D5	1-S+1	Loss
D5	2-S+1	Loss

3-T4
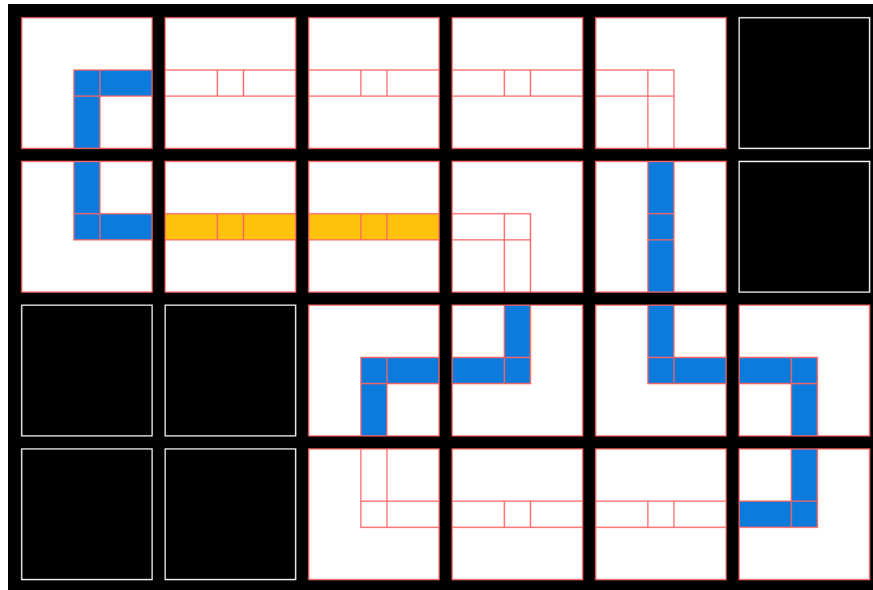
Figure 262: 3-T4

Move	New State	Result
A2	3-T	Loss
A2,A3	3-L	Win
A2,A3,A4	1-1-3	Loss
A3	1-3-L	Loss
A3,A4	1-1-1-3	Loss
A3,A4,A5	1-1-3	Loss
A4,A5	1-2-3	Win
A4,B4	1-2-3	Win
A5	3-L3	Loss
B4	3-4	Loss
D3	2-T4	Loss
D3,D4	1-T4	Loss
D3,D4,D5	T4	Loss
D4	1-1-T4	Loss
D4,D5	1-T4	Loss
D5	2-T4	Loss

4-4
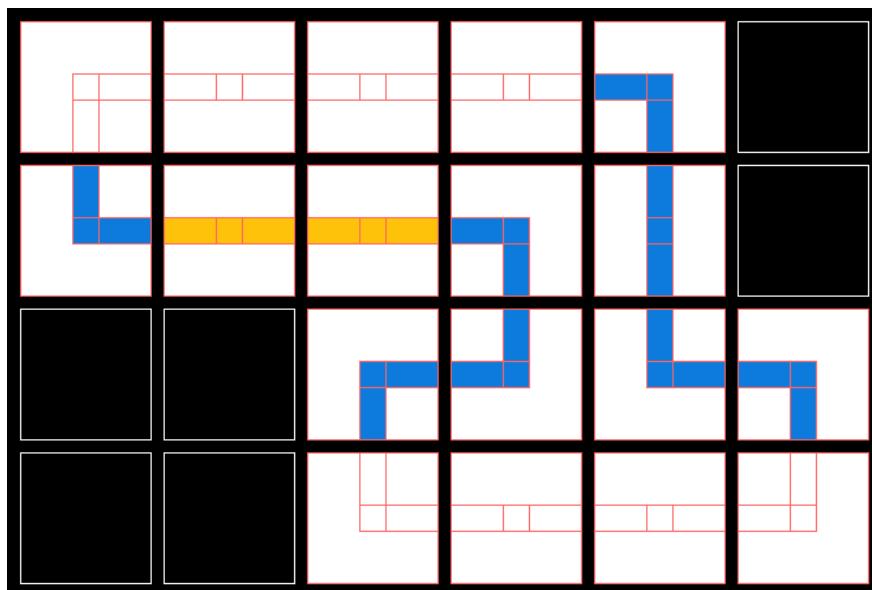
Figure 263: 4-4

Move	New State	Result
A1	3-4	Loss
A1,A2	2-4	Loss
A1,A2,A3	1-4	Loss
A2	1-2-4	Loss
A2,A3	1-1-4	Loss
A2,A3,A4	1-4	Loss
A3	1-2-4	Loss
A3,A4	2-4	Loss
A4	3-4	Loss
D3	3-4	Loss
D3,D4	2-4	Loss
D3,D4,D5	1-4	Loss
D4	1-2-4	Loss
D4,D5	1-1-4	Loss
D4,D5,D6	1-4	Loss
D5	1-2-4	Loss
D5,D6	2-4	Loss
D6	3-4	Loss

4-L3
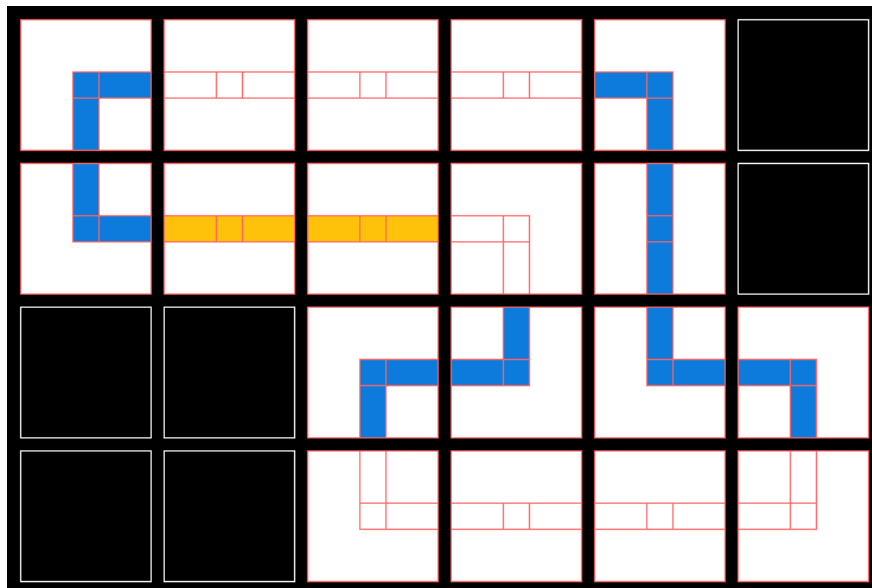
Figure 264: 4-L3

Move	New State	Result
A2	4-L	Loss
A2,A3	2-4	Loss
A2,A3,A4	1-4	Loss
A3	1-2-4	Loss
A3,A4	1-1-4	Loss
A4	1-2-4	Loss
A4,B4	2-4	Loss
B4	3-4	Loss
D3	3-L3	Loss
D3,D4	2-L3	Loss
D3,D4,D5	1-L3	Loss
D4	1-2-L3	Loss
D4,D5	1-1-L3	Loss
D4,D5,D6	1-L3	Loss
D5	1-2-L3	Loss
D5,D6	2-L3	Loss
D6	3-L3	Loss

4-L3x
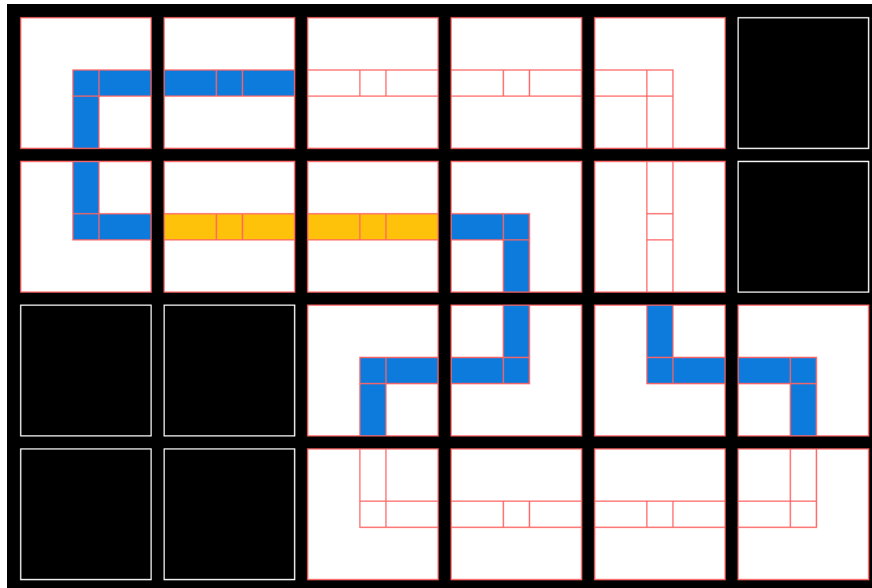
Figure 265: 4-L3x

Move	New State	Result
A3	4-Lx	Loss
A3,A4	2-4	Loss
A3,A4,A5	1-4	Loss
A4	1-2-4	Loss
A4,A5	1-1-4	Loss
A5,B5	2-4	Loss
B5	3-4	Loss
D3	3-L3x	Loss
D3,D4	2-L3x	Loss
D3,D4,D5	1-L3x	Loss
D4	1-2-L3x	Loss
D4,D5	1-1-L3x	Loss
D4,D5,D6	1-L3x	Loss
D5	1-2-L3x	Loss
D5,D6	2-L3x	Loss
D6	3-L3x	Loss

4-S
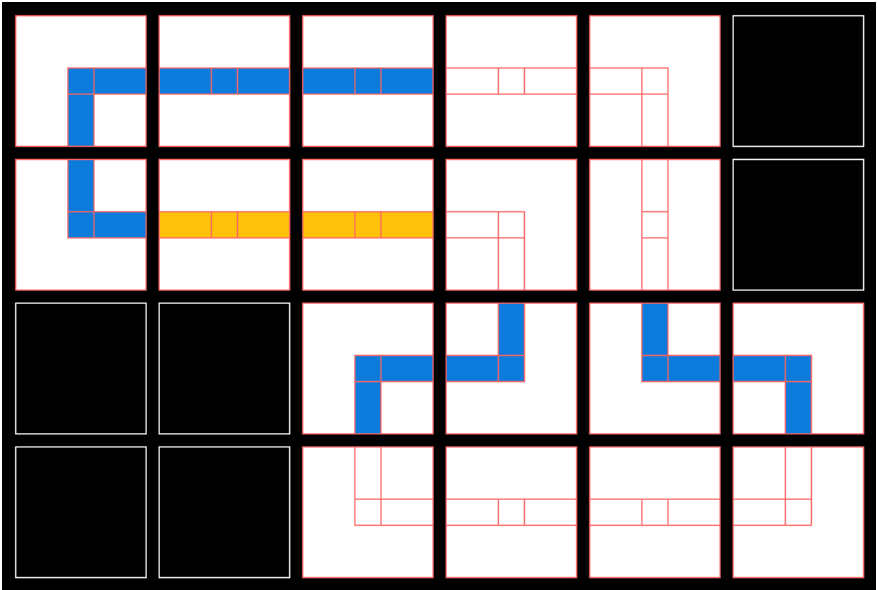
Figure 266: 4-S

Move	New State	Result
A4	4-L	Loss
A4,A5	2-4	Loss
A4,B4	2-4	Loss
A5,B5	2-4	Loss
B4	4-Lx	Loss
B4,B5	2-4	Loss
B5	4-L	Loss
D3	3-S	Loss
D3,D4	2-S	Loss
D3,D4,D5	1-S	Win
D4	1-2-S	Loss
D4,D5	1-1-S	Loss
D4,D5,D6	1-S	Win
D5	1-2-S	Loss
D5,D6	2-S	Loss
D6	3-S	Loss

4-T
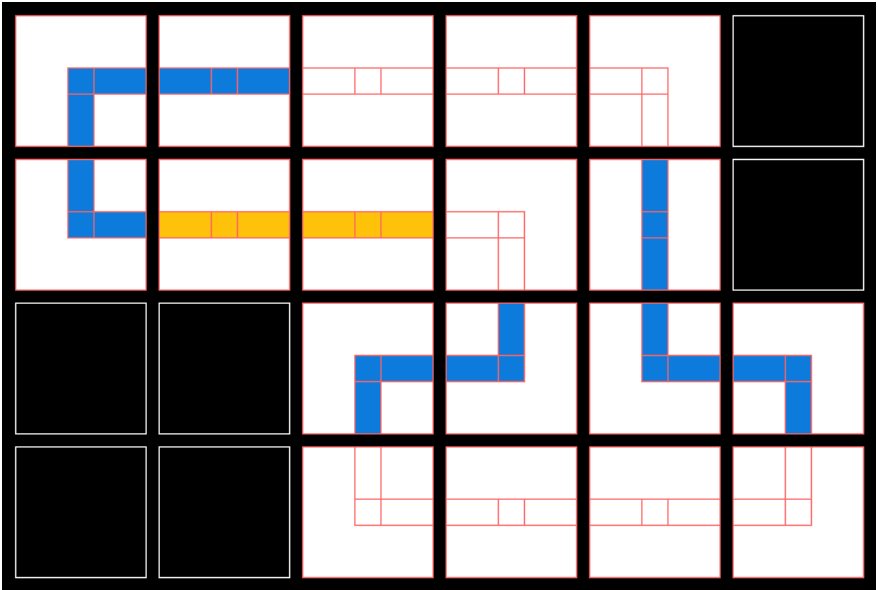
Figure 267: 4-T

Move	New State	Result
A3	4-L	Loss
A3,A4	1-1-4	Loss
A3,A4,A5	1-4	Loss
A4,A5	1-1-4	Loss
A4,B4	1-1-4	Loss
A5	4-L	Loss
B4	3-4	Loss
D3	3-T	Loss
D3,D4	2-T	Win
D3,D4,D5	1-T	Loss
D4	1-2-T	Loss
D4,D5	1-1-T	Loss
D4,D5,D6	1-T	Loss
D5	1-2-T	Loss
D5,D6	2-T	Win
D6	3-T	Loss

5-Lx
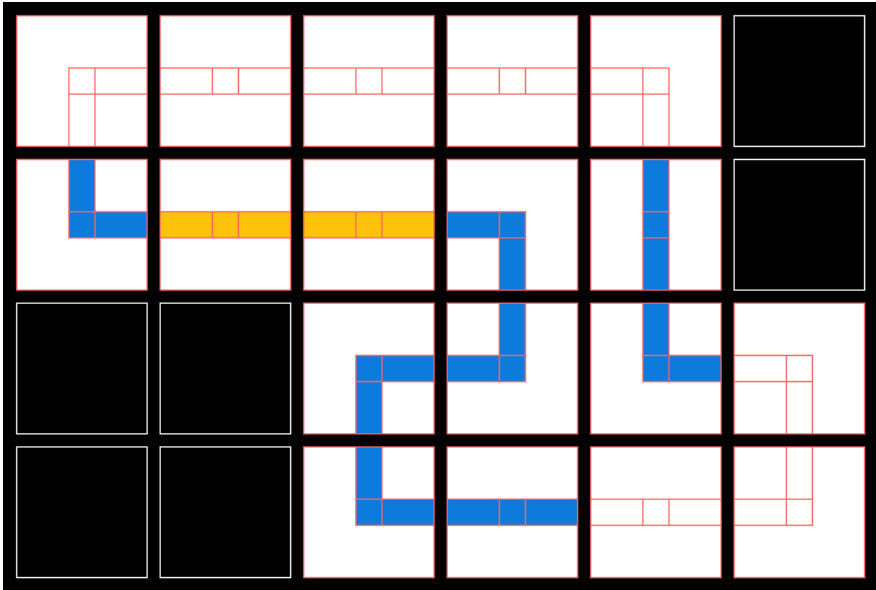
Figure 268: 5-Lx

Move	New State	Result
A1	4-Lx	Loss
A1,A2	3-Lx	Loss
A1,A2,A3	2-Lx	Loss
A2	1-3-Lx	Loss
A2,A3	1-2-Lx	Loss
A2,A3,A4	1-1-Lx	Win
A3	2-2-Lx	Win
A3,A4	1-2-Lx	Loss
A3,A4,A5	2-Lx	Loss
A4	1-3-Lx	Loss
A4,A5	3-Lx	Loss
A5	4-Lx	Loss
C6	2-5	Loss
C6,D6	1-5	Win
D5	2-5	Loss
D5,D6	1-5	Win

L-L4x
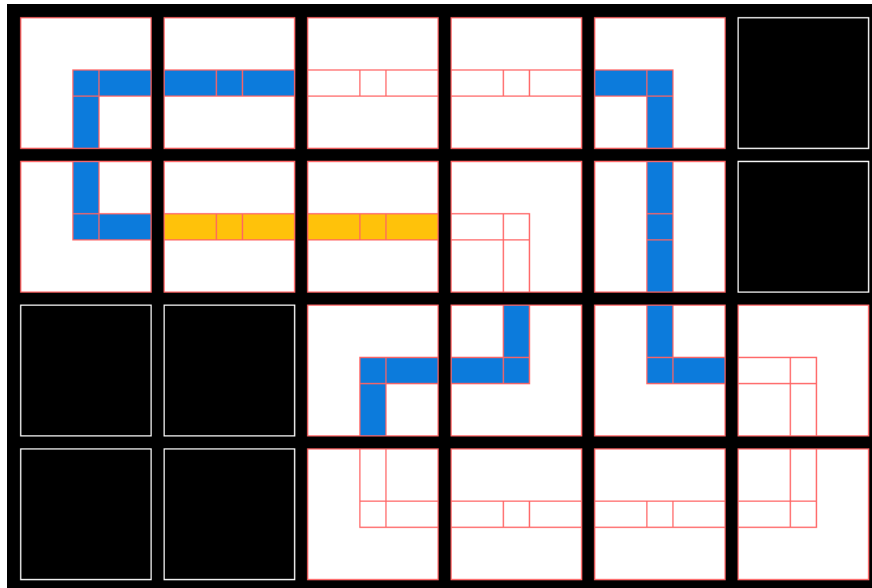
Figure 269: L-L4x

Move	New State	Result
A3	2-L4x	Loss
A3,A4	1-L4x	Loss
A4	1-1-L4x	Loss
A4,B4	1-L4x	Loss
B4	2-L4x	Loss
C6	4-L	Loss
C6,D6	3-L	Win
D3	L-L3x	Loss
D3,D4	L-Lx	Loss
D3,D4,D5	2-L	Loss
D4	1-L-Lx	Loss
D4,D5	1-2-L	Win
D4,D5,D6	1-1-L	Loss
D5	2-2-L	Loss
D5,D6	1-2-L	Win

L3-L3x
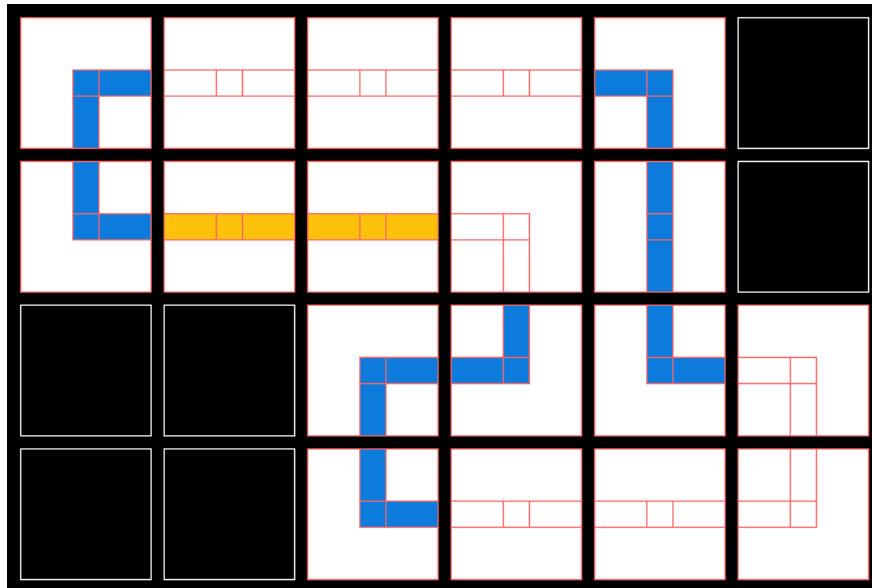
Figure 270: L3-L3x

Move	New State	Result
A2	L-L3x	Loss
A2,A3	2-L3x	Loss
A2,A3,A4	1-L3x	Loss
A3	1-2-L3x	Loss
A3,A4	1-1-L3x	Loss
A4	1-2-L3x	Loss
A4,B4	2-L3x	Loss
B4	3-L3x	Loss
C6	3-L3	Loss
C6,D6	2-L3	Loss
D4	L3-Lx	Loss
D4,D5	2-L3	Loss
D4,D5,D6	1-L3	Loss
D5	1-2-L3	Loss
D5,D6	1-1-L3	Loss

L3x-L3x
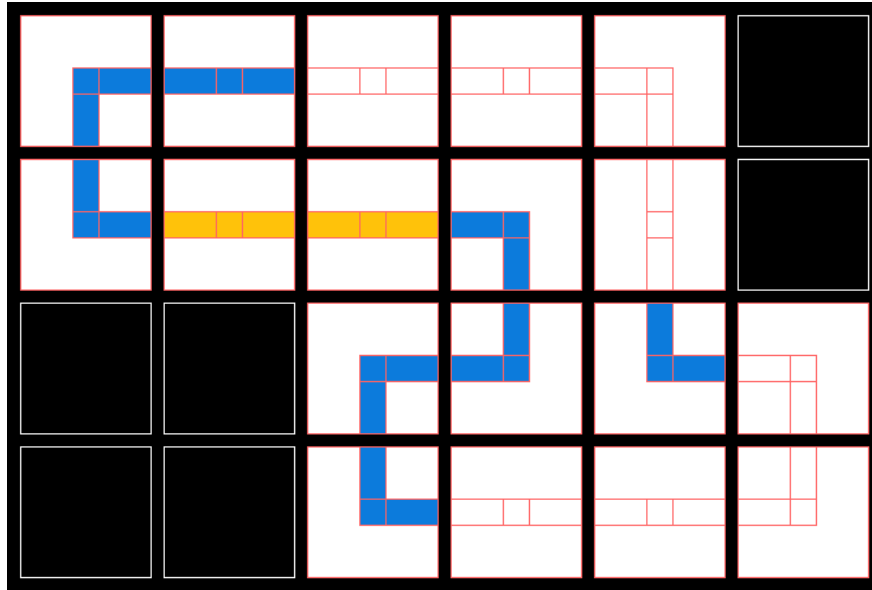
Figure 271: L3x-L3x

Move	New State	Result
A3	L3x-Lx	Loss
A3,A4	2-L3x	Loss
A3,A4,A5	1-L3x	Loss
A4	1-2-L3x	Loss
A4,A5	1-1-L3x	Loss
A5,B5	2-L3x	Loss
B5	3-L3x	Loss
C6	3-L3x	Loss
C6,D6	2-L3x	Loss
D4	L3x-Lx	Loss
D4,D5	2-L3x	Loss
D4,D5,D6	1-L3x	Loss
D5	1-2-L3x	Loss
D5,D6	1-1-L3x	Loss

L3x-S
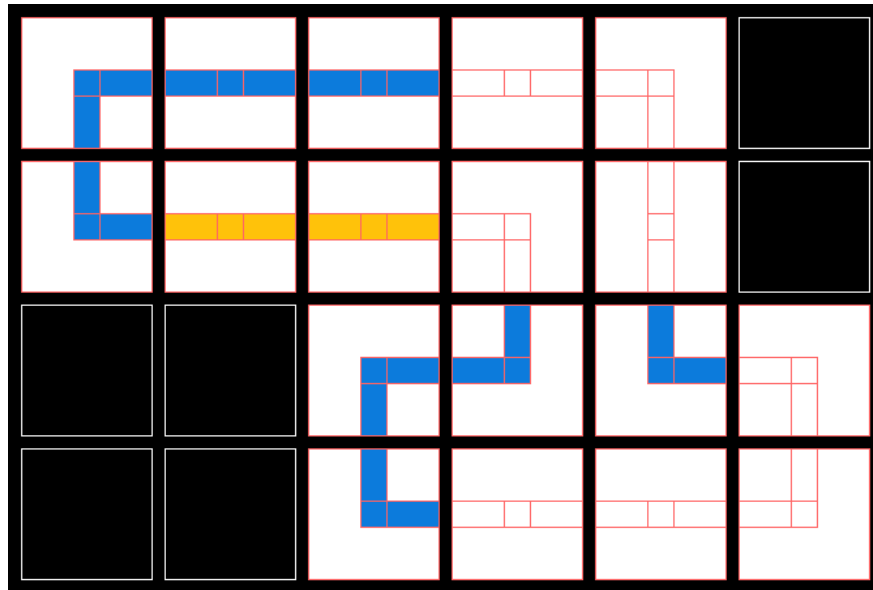
Figure 272: L3x-S

Move	New State	Result
A4	L-L3x	Loss
A4,A5	2-L3x	Loss
A4,B4	2-L3x	Loss
A5,B5	2-L3x	Loss
B4	L3x-Lx	Loss
B4,B5	2-L3x	Loss
B5	L-L3x	Loss
C6	3-S	Loss
C6,D6	2-S	Loss
D4	Lx-S	Loss
D4,D5	2-S	Loss
D4,D5,D6	1-S	Win
D5	1-2-S	Loss
D5,D6	1-1-S	Loss

L3x-T
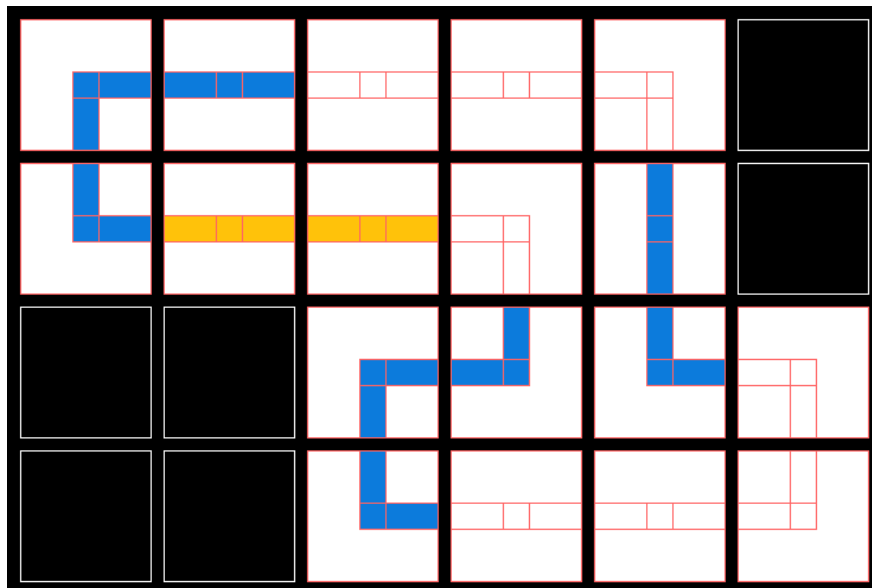
Figure 273: L3x-T

Move	New State	Result
A3	L-L3x	Loss
A3,A4	1-1-L3x	Loss
A3,A4,A5	1-L3x	Loss
A4,A5	1-1-L3x	Loss
A4,B4	1-1-L3x	Loss
A5	L-L3x	Loss
B4	3-L3x	Loss
C6	3-T	Loss
C6,D6	2-T	Win
D4	Lx-T	Loss
D4,D5	2-T	Win
D4,D5,D6	1-T	Loss
D5	1-2-T	Loss
D5,D6	1-1-T	Loss

L4-Lx
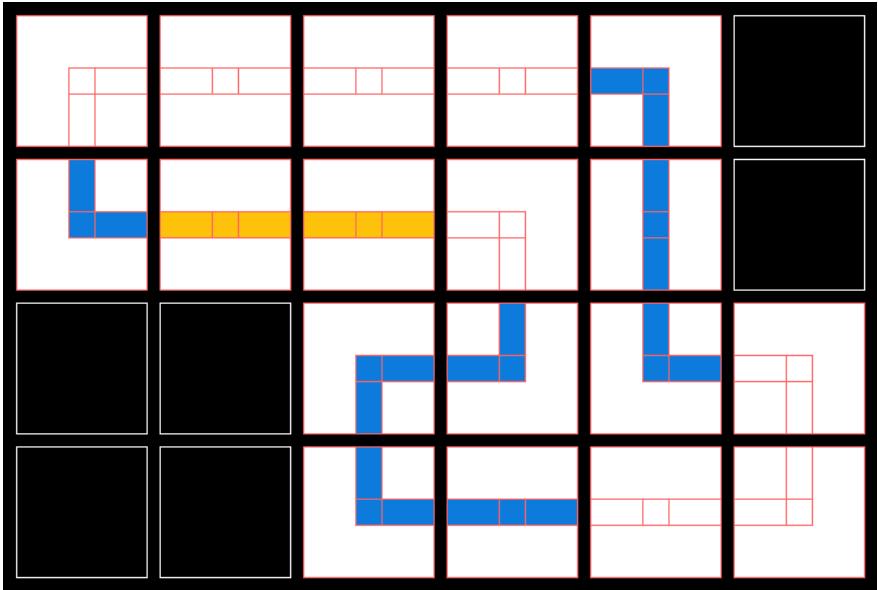
Figure 274: L4-Lx

Move	New State	Result
A1	L3-Lx	Loss
A1,A2	L-Lx	Loss
A1,A2,A3	2-Lx	Loss
A2	1-L-Lx	Loss
A2,A3	1-2-Lx	Loss
A2,A3,A4	1-1-Lx	Win
A3	2-2-Lx	Win
A3,A4	1-2-Lx	Loss
A4	1-3-Lx	Loss
A4,B4	3-Lx	Loss
B4	4-Lx	Loss
C6	2-L4	Loss
C6,D6	1-L4	Win
D5	2-L4	Loss
D5,D6	1-L4	Win

L4x-Lx
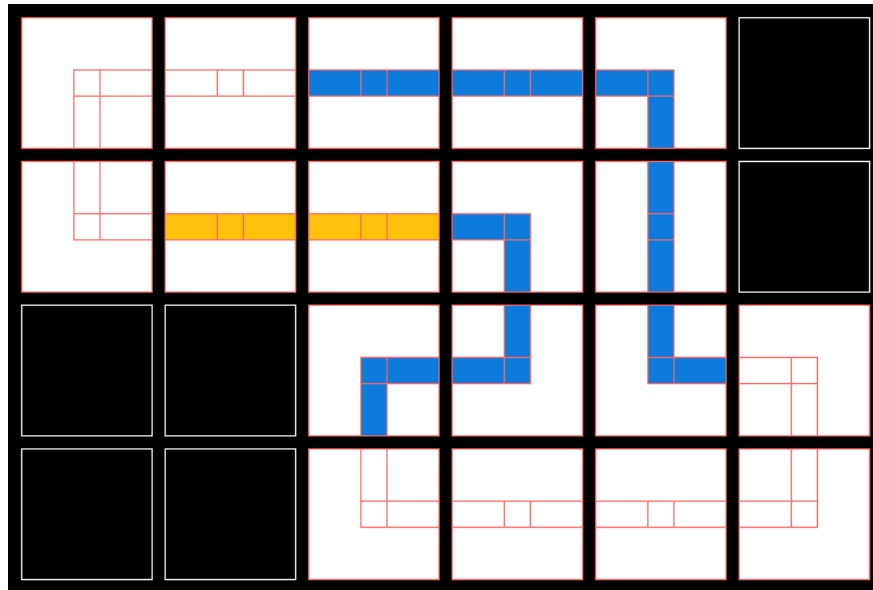
Figure 275: L4x-Lx

Move	New State	Result
A1,A2	1-L4x	Loss
A1,B1	1-L4x	Loss
A2	2-L4x	Loss
B1	2-L4x	Loss
C6	4-Lx	Loss
C6,D6	3-Lx	Loss
D3	L3x-Lx	Loss
D3,D4	Lx-Lx	Win
D3,D4,D5	2-Lx	Loss
D4	1-Lx-Lx	Loss
D4,D5	1-2-Lx	Loss
D4,D5,D6	1-1-Lx	Win
D5	2-2-Lx	Win
D5,D6	1-2-Lx	Loss

Lx-S+1
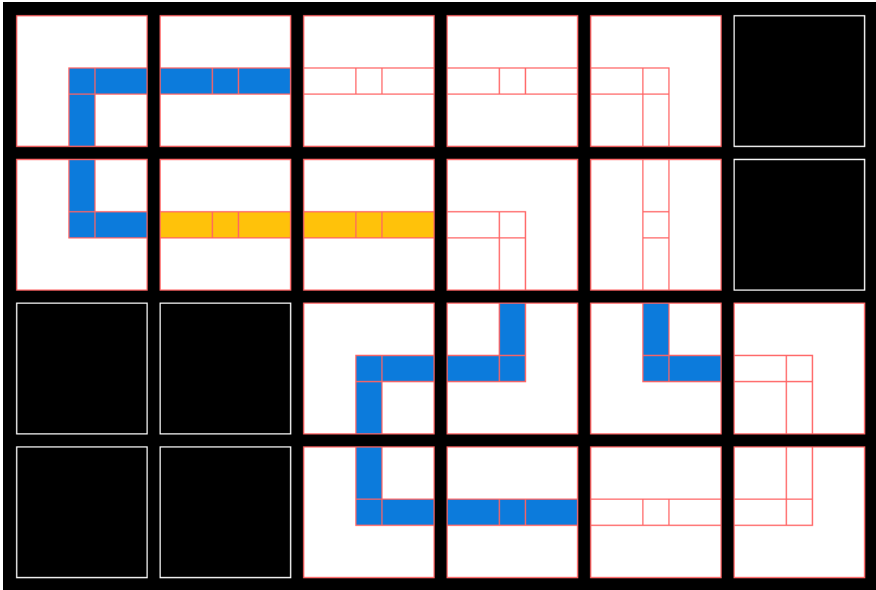
Figure 276: Lx-S+1

Move	New State	Result
A3	Lx-S	Loss
A3,A4	L-Lx	Loss
A3,A4,A5	2-Lx	Loss
A4,B4	1-2-Lx	Loss
A5,B5	L-Lx	Loss
B4	L3x-Lx	Loss
B4,B5	3-Lx	Loss
B5	Lx-T	Loss
C6	2-S+1	Loss
C6,D6	1-S+1	Loss
D5	2-S+1	Loss
D5,D6	1-S+1	Loss

Lx-T4
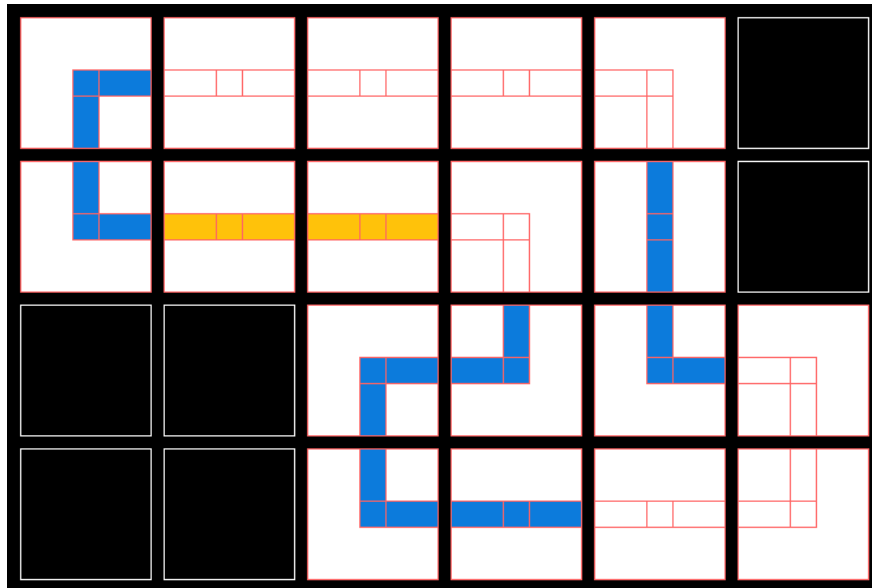
Figure 277: Lx-T4

Move	New State	Result
A2	Lx-T	Loss
A2,A3	L-Lx	Loss
A2,A3,A4	1-1-Lx	Win
A3	1-L-Lx	Loss
A3,A4	1-1-1-Lx	Loss
A3,A4,A5	1-1-Lx	Win
A4,A5	1-2-Lx	Loss
A4,B4	1-2-Lx	Loss
A5	L3-Lx	Loss
B4	4-Lx	Loss
C6	2-T4	Loss
C6,D6	1-T4	Loss
D5	2-T4	Loss
D5,D6	1-T4	Loss

S+L3x
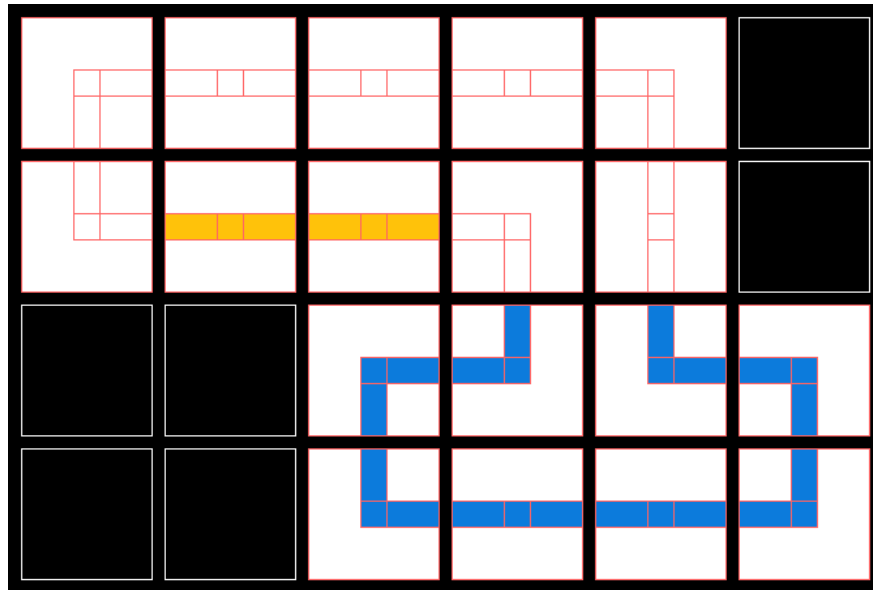
Figure 278: S+L3x

Move	New State	Result
A1,A2	1-S+1	Loss
A1,A2,A3	1-S	Win
A1,B1	S+2	Loss
A2	2-S+1	Loss
A2,A3	2-S	Loss
A2,A3,A4	2-L	Loss
A3	Lx-S	Loss
A3,A4	L-Lx	Loss
A3,A4,A5	2-Lx	Loss
A4,B4	2-L3x	Loss
A5,B5	C4	Loss
B1	S+3	Loss
B4	C5	Loss
B4,B5	L5x	Loss
B5	C4+1	Loss

1-1-1-1-Lx
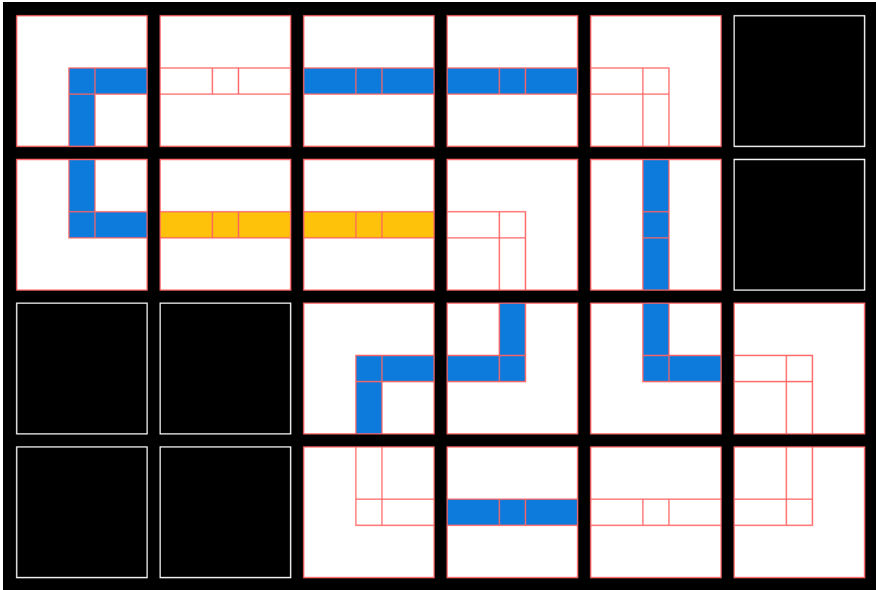
Figure 279: 1-1-1-1-Lx

Move	New State	Result
A2	1-1-1-Lx	Loss
A5	1-1-1-Lx	Loss
B4	1-1-1-Lx	Loss
C6	1-1-1-1-2	Loss
C6,D6	1-1-1-1-1	Loss
D3	1-1-1-Lx	Loss
D5	1-1-1-1-2	Loss
D5,D6	1-1-1-1-1	Loss

1-1-1-2-2
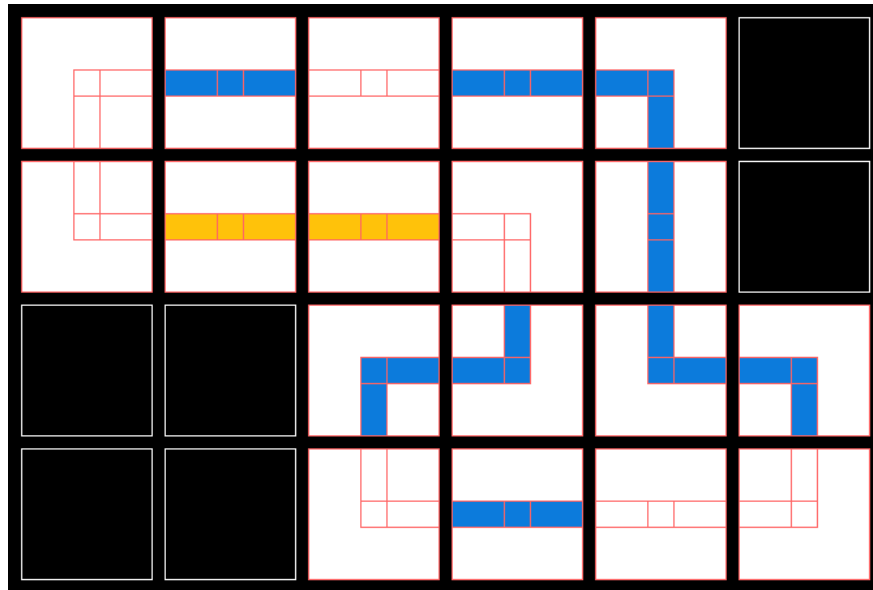
Figure 280: 1-1-1-2-2

Move	New State	Result
A1	1-1-1-1-2	Loss
A1,B1	1-1-1-2	Loss
A3	1-1-2-2	Win
B1	1-1-1-1-2	Loss
B4	1-1-2-2	Win
D3	1-1-2-2	Win
D5	1-1-1-1-2	Loss
D5,D6	1-1-1-2	Loss
D6	1-1-1-1-2	Loss

1-1-1-4
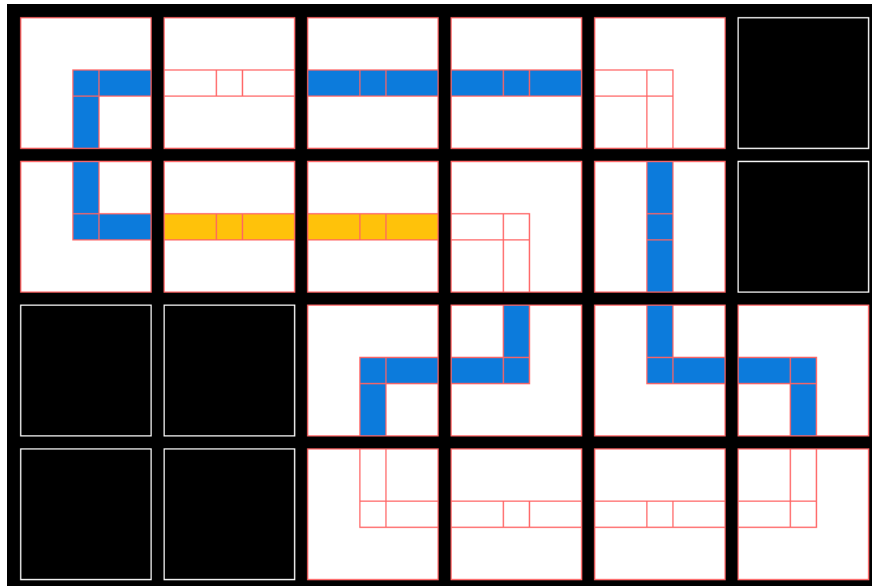
Figure 281: 1-1-1-4

Move	New State	Result
A2	1-1-4	Loss
A5	1-1-4	Loss
B4	1-1-4	Loss
D3	1-1-1-3	Loss
D3,D4	1-1-1-2	Loss
D3,D4,D5	1-1-1-1	Win
D4	1-1-1-1-2	Loss
D4,D5	1-1-1-1-1	Loss
D4,D5,D6	1-1-1-1	Win
D5	1-1-1-1-2	Loss
D5,D6	1-1-1-2	Loss
D6	1-1-1-3	Loss

1-1-1-L3x
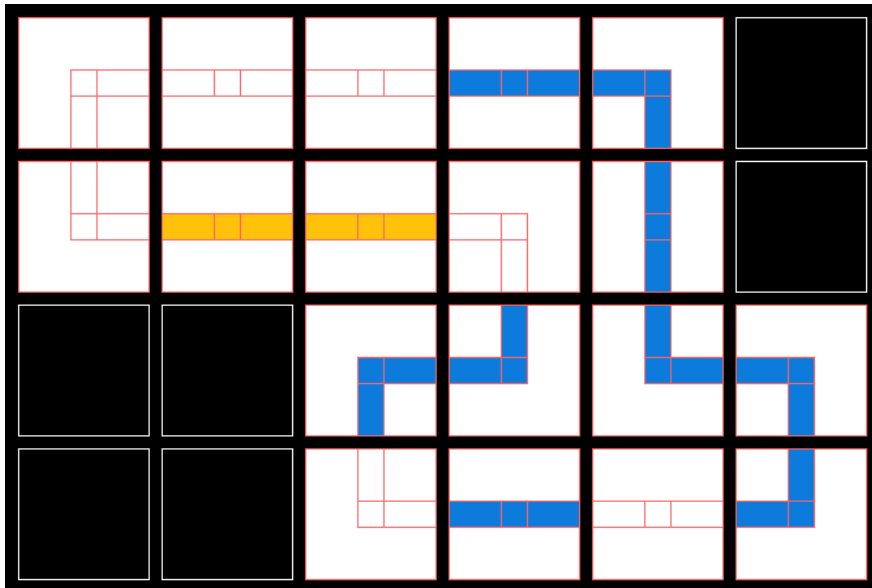
Figure 282: 1-1-1-L3x

Move	New State	Result
A1,A2	1-1-1-1-1	Loss
A1,A2,A3	1-1-1-1	Win
A1,B1	1-1-1-2	Loss
A2	1-1-1-1-2	Loss
A2,A3	1-1-1-2	Loss
A3	1-1-1-Lx	Loss
B1	1-1-1-3	Loss
B4	1-1-L3x	Loss
D3	1-1-L3x	Loss
D5	1-1-L3x	Loss

1-1-1-S
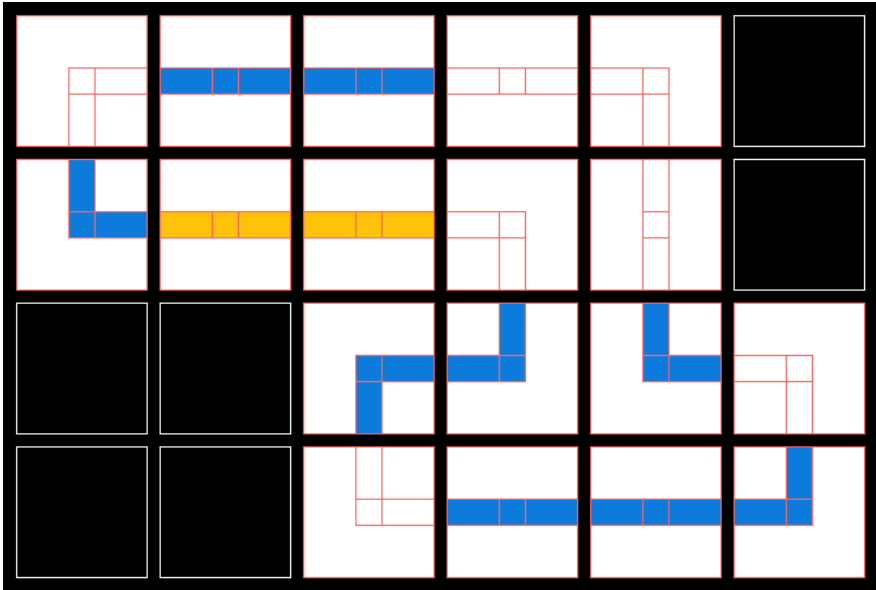
Figure 283: 1-1-1-S

Move	New State	Result
A1	1-1-S	Loss
A4	1-1-1-L	Loss
A4,A5	1-1-1-2	Loss
A4,B4	1-1-1-2	Loss
A5,B5	1-1-1-2	Loss
B4	1-1-1-Lx	Loss
B4,B5	1-1-1-2	Loss
B5	1-1-1-L	Loss
C6	1-1-S	Loss
D3	1-1-S	Loss

1-1-1-T
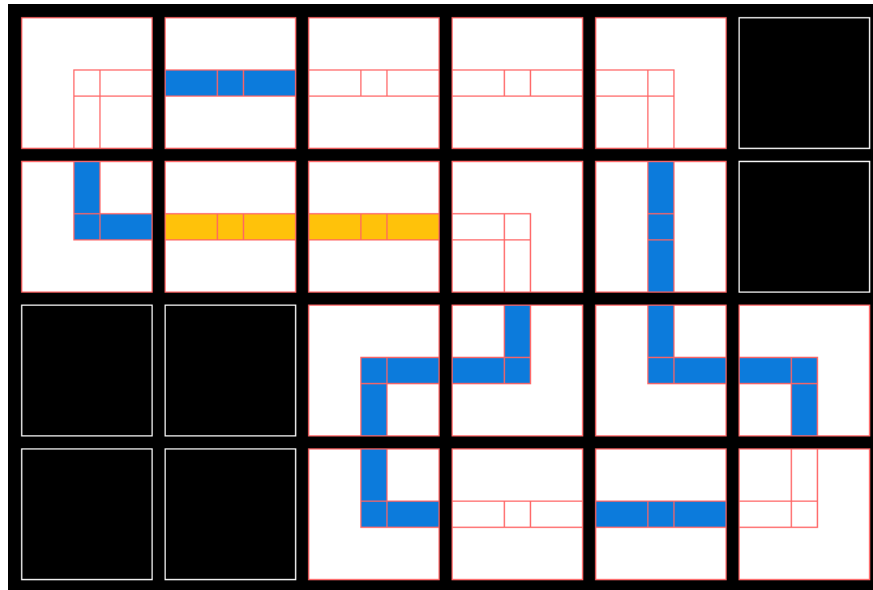
Figure 284: 1-1-1-T

Move	New State	Result
A1	1-1-T	Loss
A3	1-1-1-L	Loss
A3,A4	1-1-1-1-1	Loss
A3,A4,A5	1-1-1-1	Win
A4,A5	1-1-1-1-1	Loss
A4,B4	1-1-1-1-1	Loss
A5	1-1-1-L	Loss
B4	1-1-1-3	Loss
D4	1-1-T	Loss
D6	1-1-T	Loss

1-1-2-3
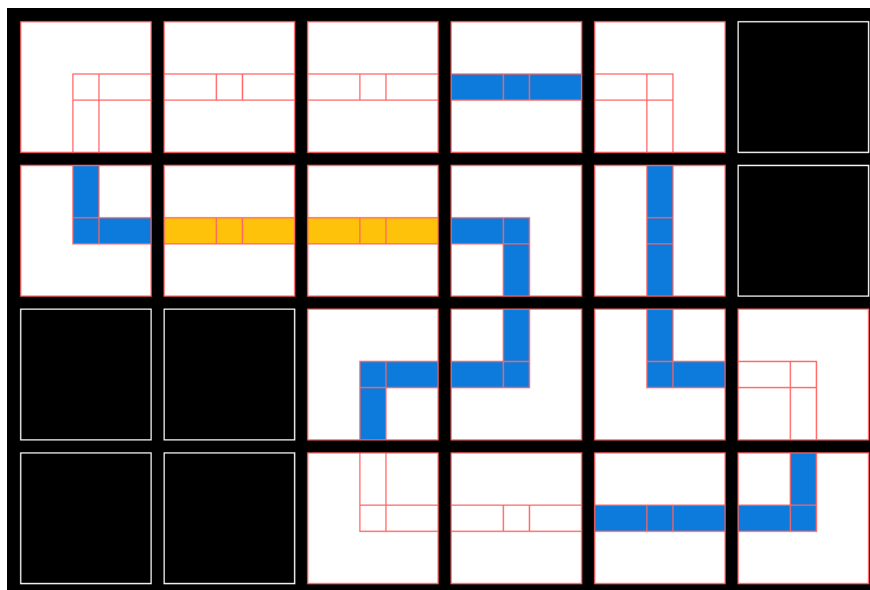
Figure 285: 1-1-2-3

Move	New State	Result
A1	1-1-2-2	Win
A1,A2	1-1-1-2	Loss
A1,A2,A3	1-1-2	Loss
A2	1-1-1-1-2	Loss
A2,A3	1-1-1-2	Loss
A3	1-1-2-2	Win
A5	1-2-3	Win
C6	1-2-3	Win
D3	1-1-1-3	Loss
D3,D4	1-1-3	Loss
D4	1-1-1-3	Loss

1-1-2-L
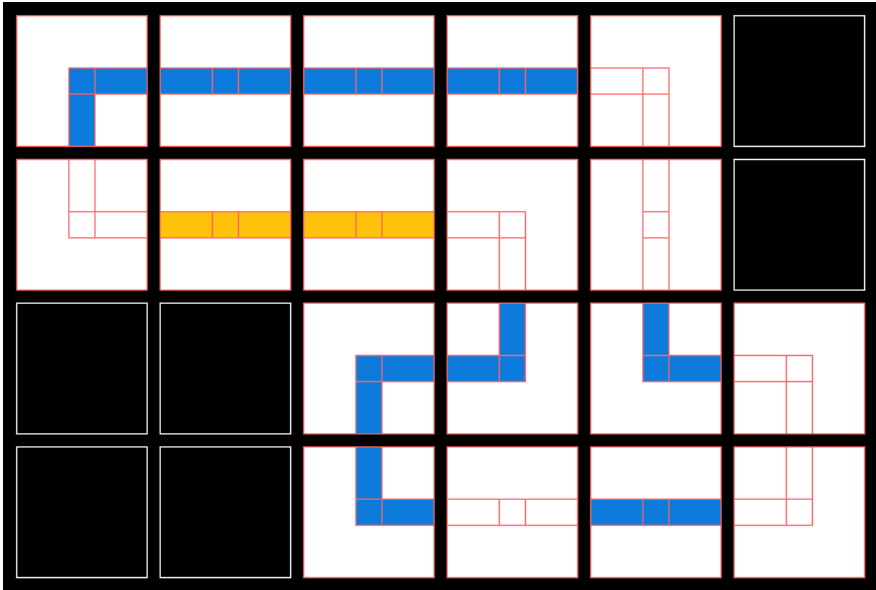
Figure 286: 1-1-2-L

Move	New State	Result
A5	1-1-2-2	Win
A5,B5	1-1-1-2	Loss
B1	1-2-L	Win
B4	1-1-2-2	Win
B4,B5	1-1-1-2	Loss
B5	1-1-1-1-2	Loss
C6	1-1-1-L	Loss
C6,D6	1-1-L	Loss
D4	1-2-L	Win
D6	1-1-1-L	Loss

1-1-2-Lx
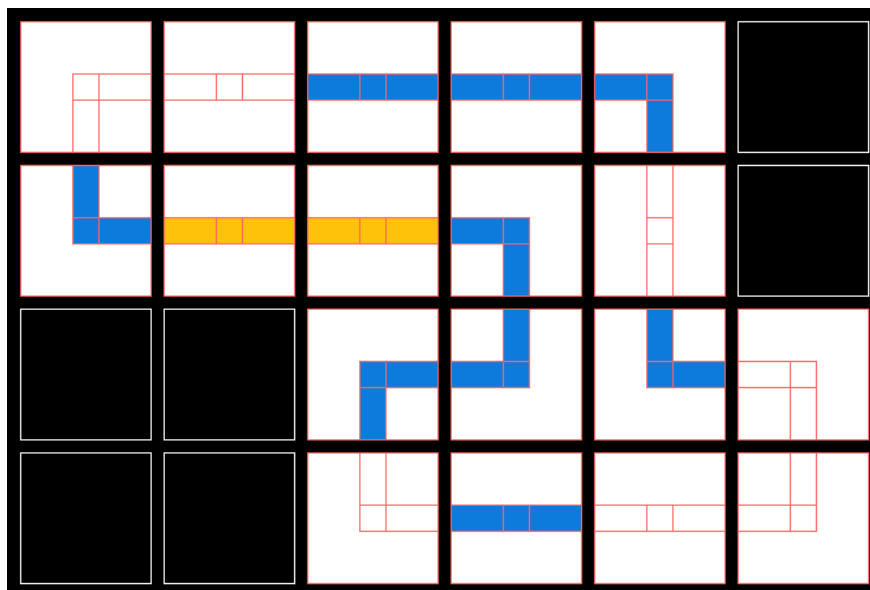
Figure 287: 1-1-2-Lx

Move	New State	Result
A1	1-1-1-Lx	Loss
A1,A2	1-1-Lx	Win
A2	1-1-1-Lx	Loss
B5	1-2-Lx	Loss
C6	1-1-2-2	Win
C6,D6	1-1-1-2	Loss
D3	1-2-Lx	Loss
D5	1-1-2-2	Win
D5,D6	1-1-1-2	Loss

1-1-5
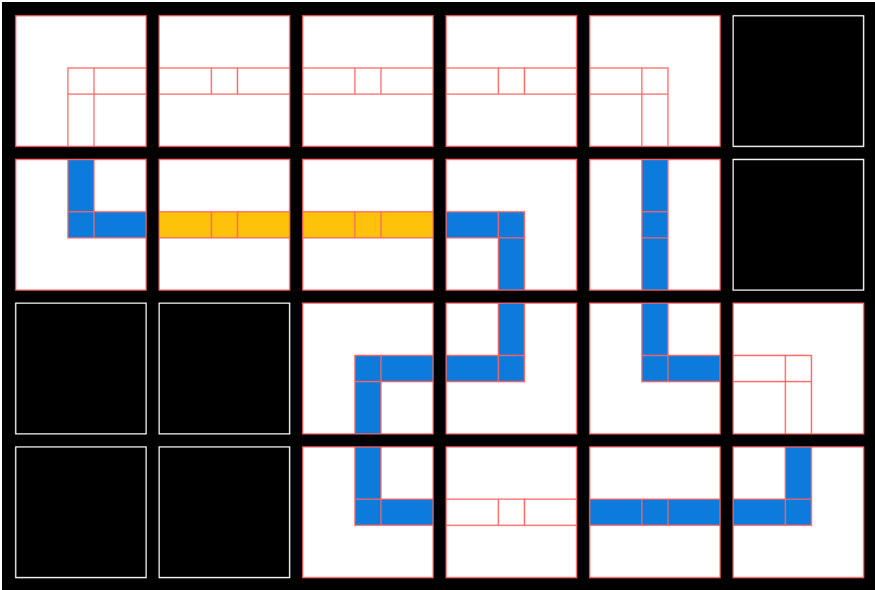
Figure 288: 1-1-5

Move	New State	Result
A1	1-1-4	Loss
A1,A2	1-1-3	Loss
A1,A2,A3	1-1-2	Loss
A2	1-1-1-3	Loss
A2,A3	1-1-1-2	Loss
A2,A3,A4	1-1-1-1	Win
A3	1-1-2-2	Win
A3,A4	1-1-1-2	Loss
A3,A4,A5	1-1-2	Loss
A4	1-1-1-3	Loss
A4,A5	1-1-3	Loss
A5	1-1-4	Loss
C6	1-5	Win
D4	1-5	Win

1-1-L4
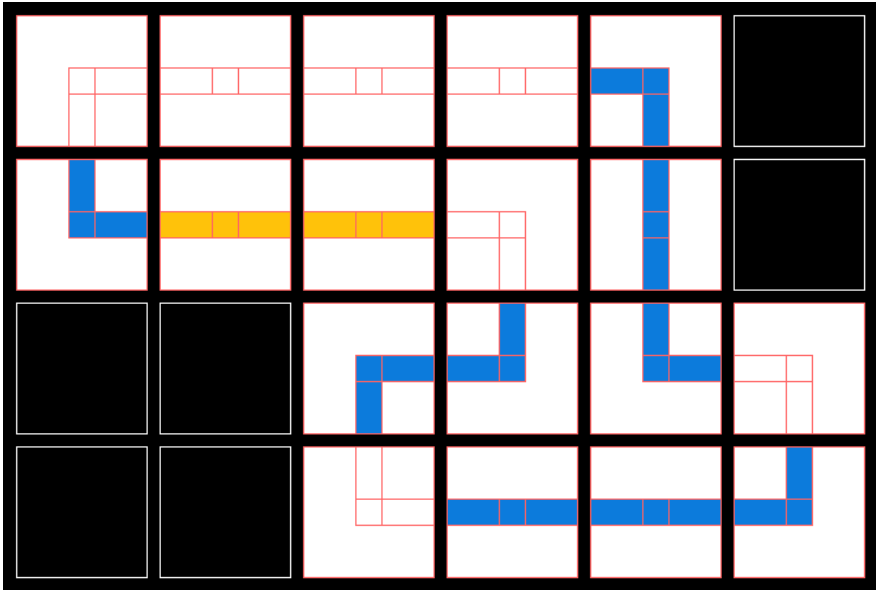
Figure 289: 1-1-L4

Move	New State	Result
A1	1-1-L3	Loss
A1,A2	1-1-L	Loss
A1,A2,A3	1-1-2	Loss
A2	1-1-1-L	Loss
A2,A3	1-1-1-2	Loss
A2,A3,A4	1-1-1-1	Win
A3	1-1-2-2	Win
A3,A4	1-1-1-2	Loss
A4	1-1-1-3	Loss
A4,B4	1-1-3	Loss
B4	1-1-4	Loss
C6	1-L4	Win
D3	1-L4	Win

1-1-L4x
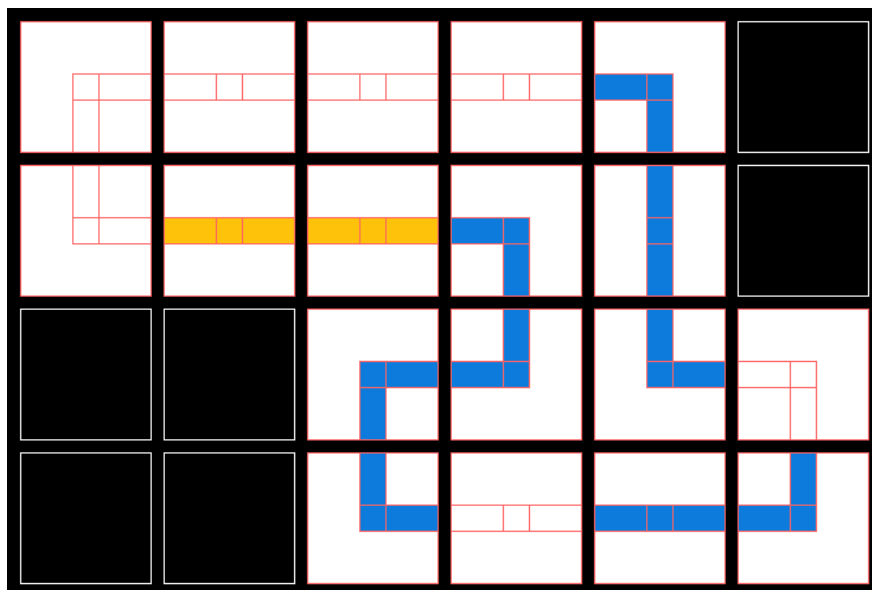
Figure 290: 1-1-L4x

Move	New State	Result
A1,A2	1-1-1-2	Loss
A1,A2,A3	1-1-1-1	Win
A1,B1	1-1-3	Loss
A2	1-1-2-2	Win
A2,A3	1-1-1-2	Loss
A2,A3,A4	1-1-2	Loss
A3	1-1-1-Lx	Loss
A3,A4	1-1-Lx	Win
A4	1-1-L3x	Loss
B1	1-1-4	Loss
C6	1-L4x	Loss
D4	1-L4x	Loss

1-1-S+1
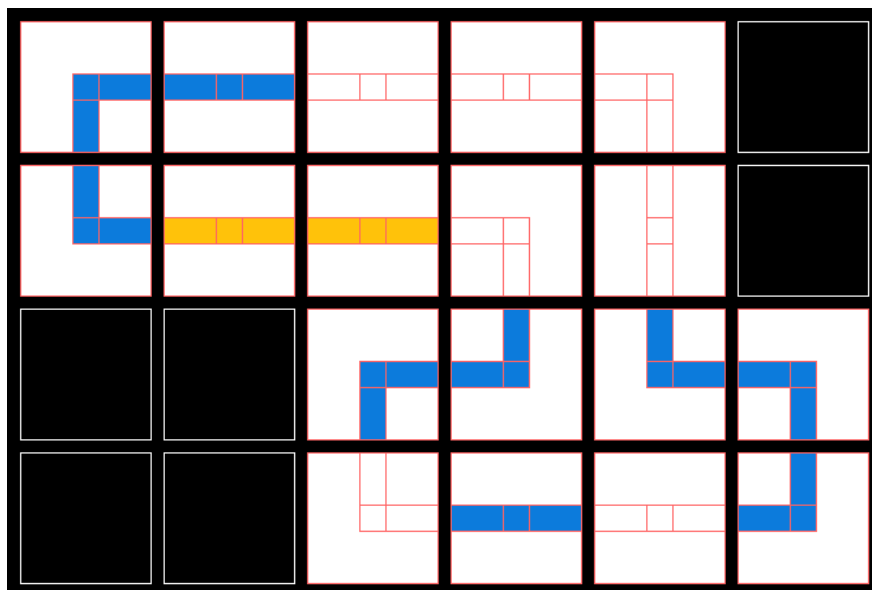
Figure 291: 1-1-S+1

Move	New State	Result
A3	1-1-S	Loss
A3,A4	1-1-L	Loss
A3,A4,A5	1-1-2	Loss
A4,B4	1-1-1-2	Loss
A5,B5	1-1-L	Loss
B4	1-1-L3x	Loss
B4,B5	1-1-3	Loss
B5	1-1-T	Loss
D3	1-S+1	Loss
D5	1-S+1	Loss

1-1-T4
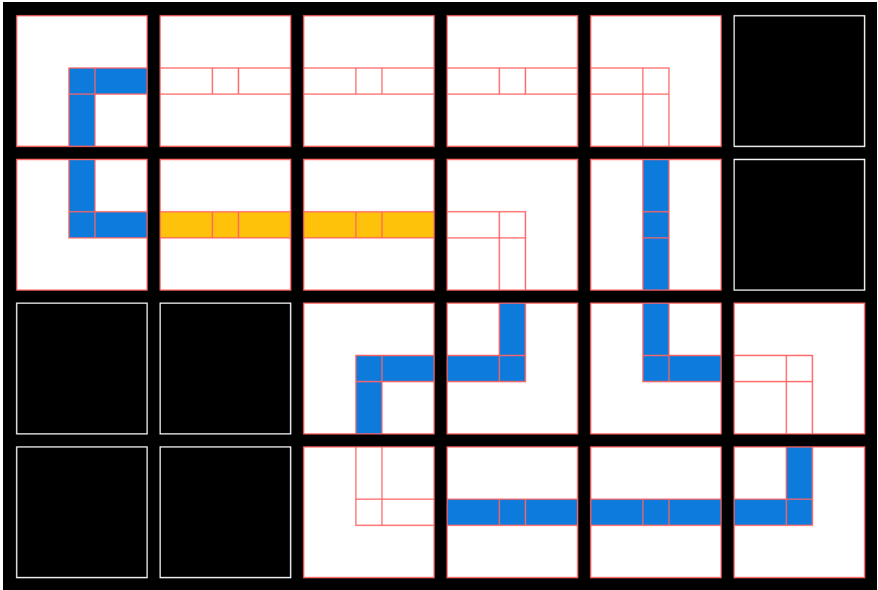
Figure 292: 1-1-T4

Move	New State	Result
A2	1-1-T	Loss
A2,A3	1-1-L	Loss
A2,A3,A4	1-1-1-1	Win
A3	1-1-1-L	Loss
A3,A4	1-1-1-1-1	Loss
A3,A4,A5	1-1-1-1	Win
A4,A5	1-1-1-2	Loss
A4,B4	1-1-1-2	Loss
A5	1-1-L3	Loss
B4	1-1-4	Loss
C6	1-T4	Loss
D3	1-T4	Loss

1-2-2-2
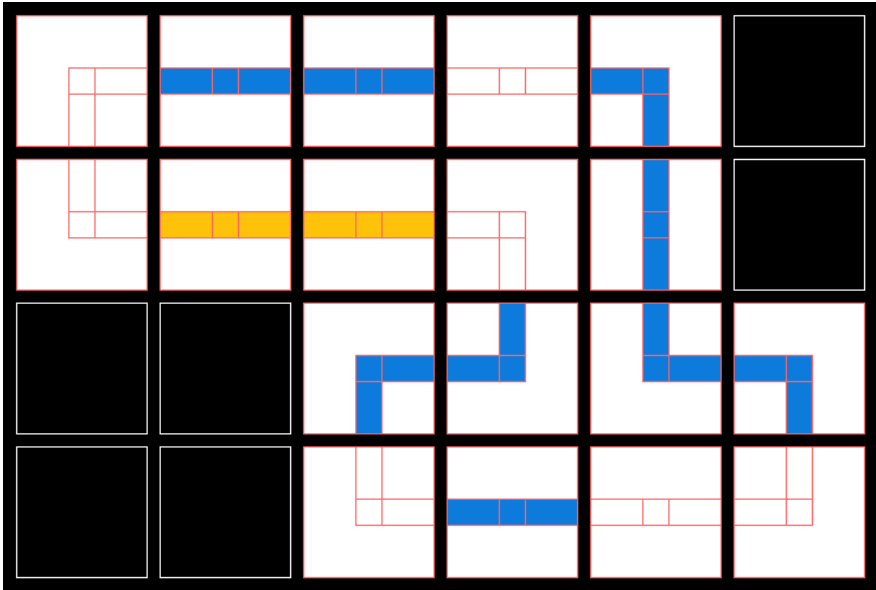
Figure 293: 1-2-2-2

Move	New State	Result
A1	1-1-2-2	Win
A1,B1	1-2-2	Loss
A4	1-1-2-2	Win
A4,B4	1-2-2	Loss
B1	1-1-2-2	Win
B4	1-1-2-2	Win
D3	2-2-2	Loss
D5	1-1-2-2	Win
D5,D6	1-2-2	Loss
D6	1-1-2-2	Win

1-2-4
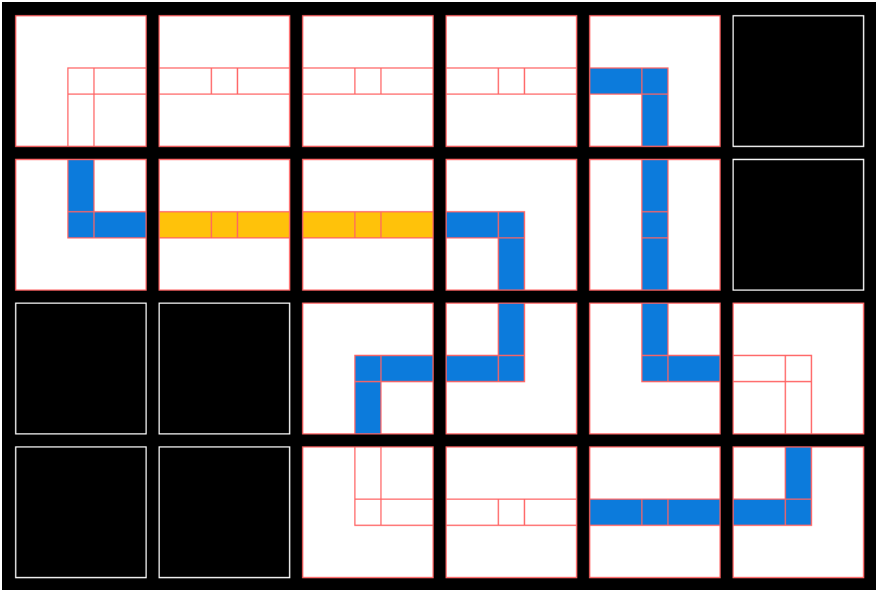
Figure 294: 1-2-4

Move	New State	Result
A1	1-2-3	Win
A1,A2	1-2-2	Loss
A1,A2,A3	1-1-2	Loss
A2	1-1-2-2	Win
A2,A3	1-1-1-2	Loss
A2,A3,A4	1-1-2	Loss
A3	1-1-2-2	Win
A3,A4	1-2-2	Loss
A4	1-2-3	Win
C6	2-4	Loss
D3	1-1-4	Loss
D3,D4	1-4	Loss
D4	1-1-4	Loss

1-2-L3
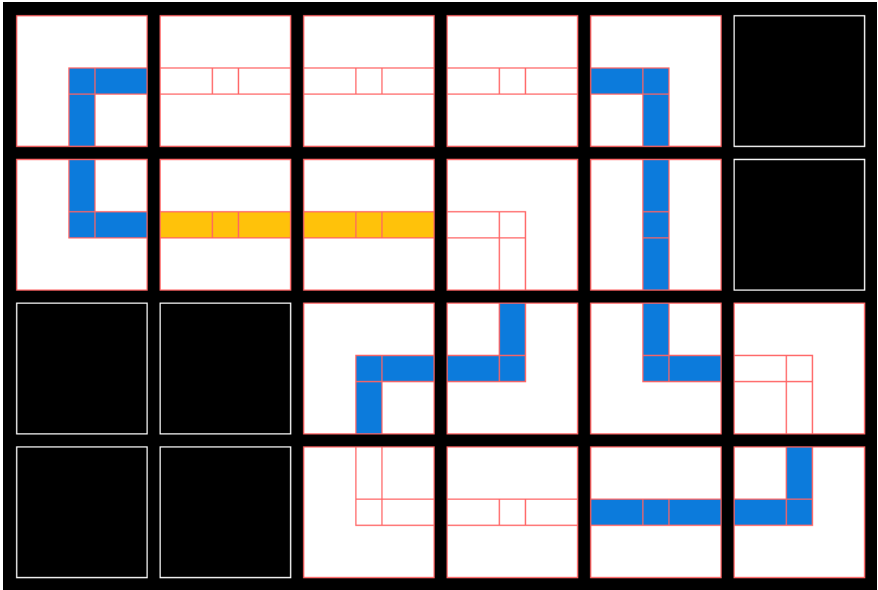
Figure 295: 1-2-L3

Move	New State	Result
A2	1-2-L	Win
A2,A3	1-2-2	Loss
A2,A3,A4	1-1-2	Loss
A3	1-1-2-2	Win
A3,A4	1-1-1-2	Loss
A4	1-1-2-2	Win
A4,B4	1-2-2	Loss
B4	1-2-3	Win
C6	2-L3	Loss
D3	1-1-L3	Loss
D3,D4	1-L3	Loss
D4	1-1-L3	Loss

1-2-L3x
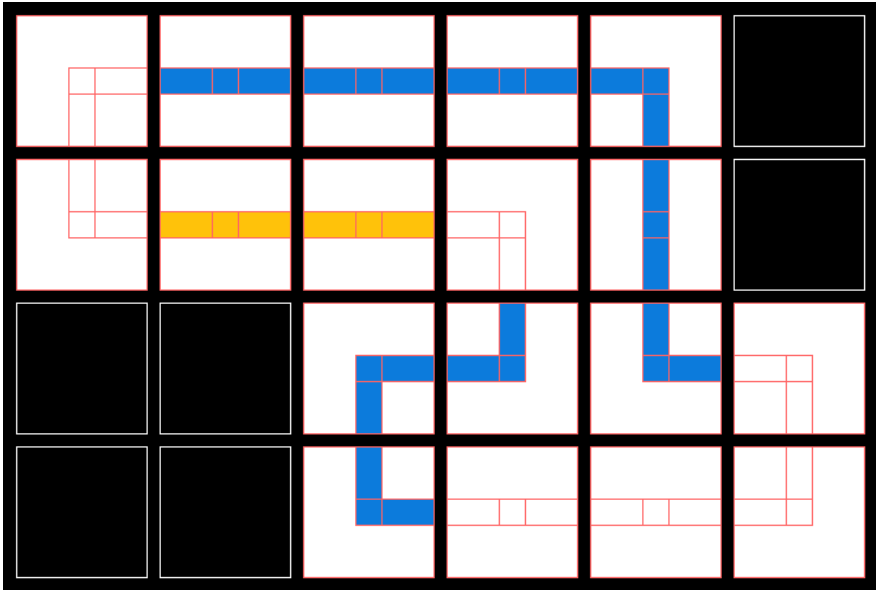
Figure 296: 1-2-L3x

Move	New State	Result
A1	1-1-L3x	Loss
A1,B1	1-L3x	Loss
B1	1-1-L3x	Loss
B4	2-L3x	Loss
C6	1-2-3	Win
C6,D6	1-2-2	Loss
D4	1-2-Lx	Loss
D4,D5	1-2-2	Loss
D4,D5,D6	1-1-2	Loss
D5	1-1-2-2	Win
D5,D6	1-1-1-2	Loss

1-2-S
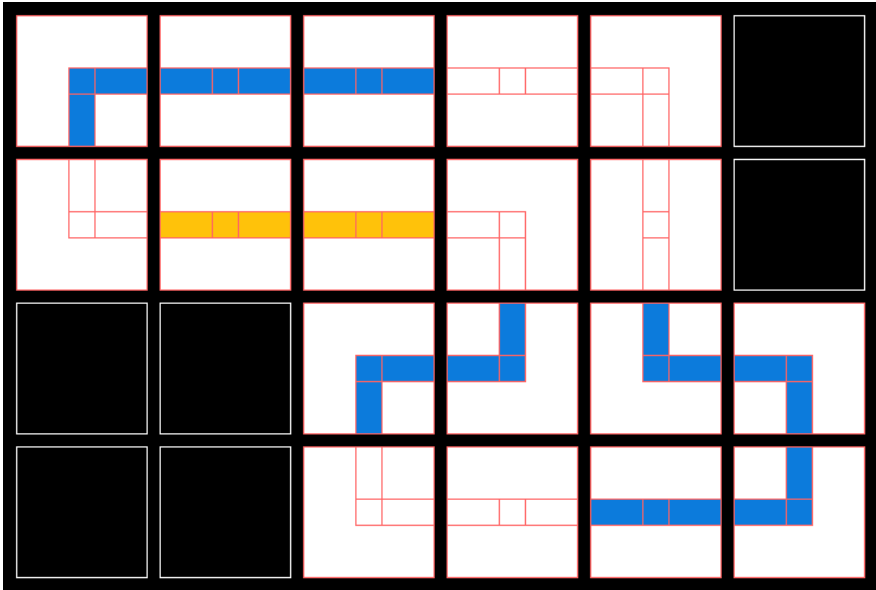
Figure 297: 1-2-S

Move	New State	Result
A4	1-2-L	Win
A4,A5	1-2-2	Loss
A4,B4	1-2-2	Loss
A5,B5	1-2-2	Loss
B1	2-S	Loss
B4	1-2-Lx	Loss
B4,B5	1-2-2	Loss
B5	1-2-L	Win
D3	1-1-S	Loss
D3,D4	1-S	Win
D4	1-1-S	Loss

1-2-T
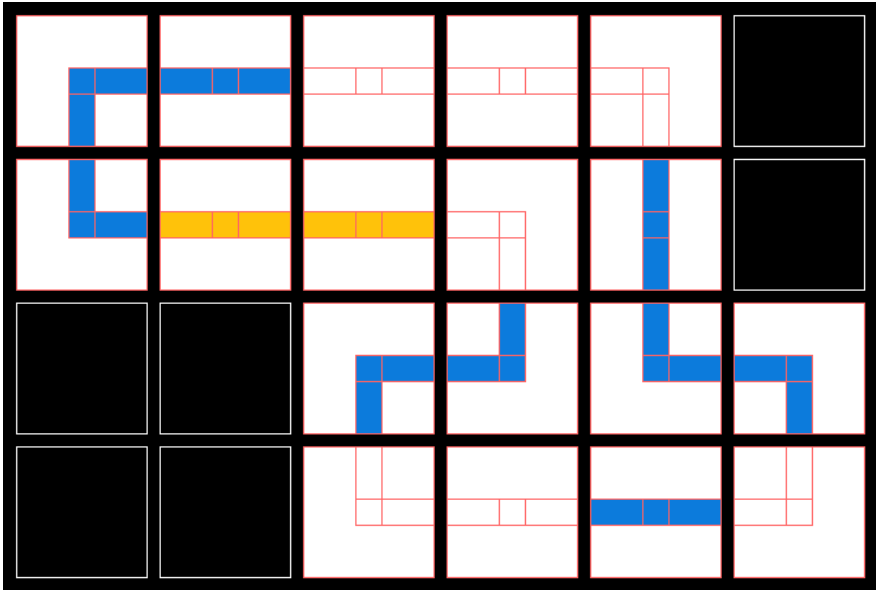
Figure 298: 1-2-T

Move	New State	Result
A3	1-2-L	Win
A3,A4	1-1-1-2	Loss
A3,A4,A5	1-1-2	Loss
A4,A5	1-1-1-2	Loss
A4,B4	1-1-1-2	Loss
A5	1-2-L	Win
B4	1-2-3	Win
D3	1-1-T	Loss
D3,D4	1-T	Loss
D4	1-1-T	Loss
D6	2-T	Win

1-3-3
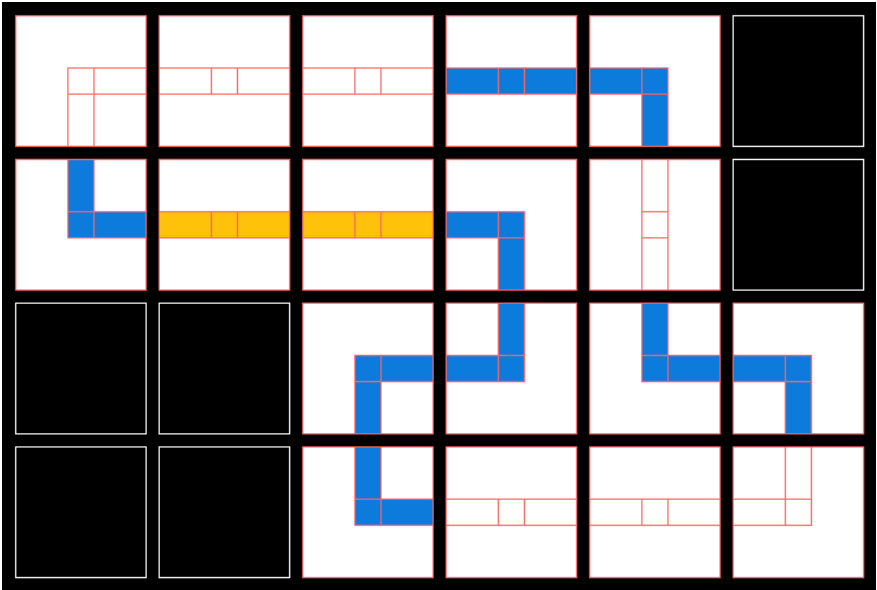
Figure 299: 1-3-3

Move	New State	Result
A1	1-2-3	Win
A1,A2	1-1-3	Loss
A1,A2,A3	1-3	Loss
A2	1-1-1-3	Loss
A2,A3	1-1-3	Loss
A3	1-2-3	Win
B5	3-3	Win
D4	1-2-3	Win
D4,D5	1-1-3	Loss
D4,D5,D6	1-3	Loss
D5	1-1-1-3	Loss
D5,D6	1-1-3	Loss
D6	1-2-3	Win

1-3-L
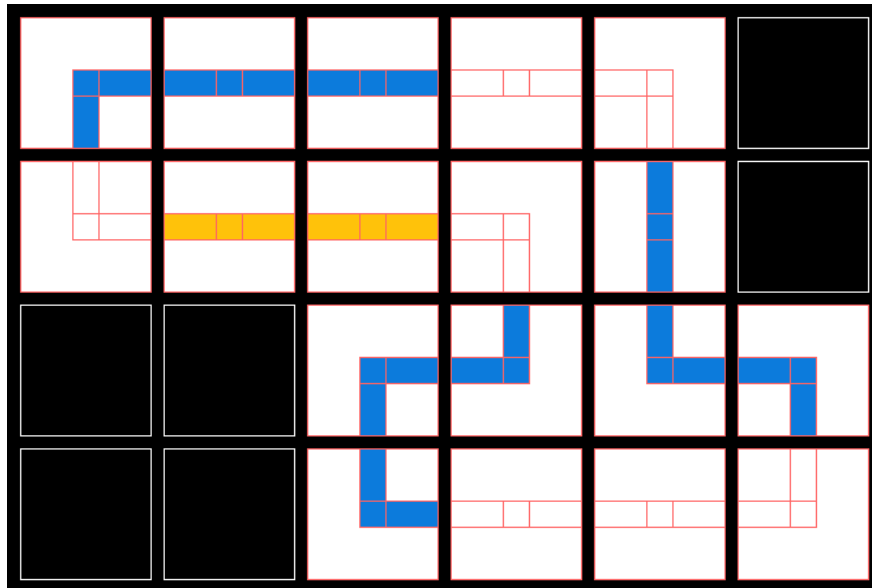
Figure 300: 1-3-L

Move	New State	Result
A4	1-1-1-3	Loss
A4,A5	1-1-3	Loss
A4,B4	1-1-3	Loss
A5	1-2-3	Win
B1	3-L	Win
B4	1-2-3	Win
D4	1-2-L	Win
D4,D5	1-1-L	Loss
D4,D5,D6	1-L	Loss
D5	1-1-1-L	Loss
D5,D6	1-1-L	Loss
D6	1-2-L	Win

1-3-Lx
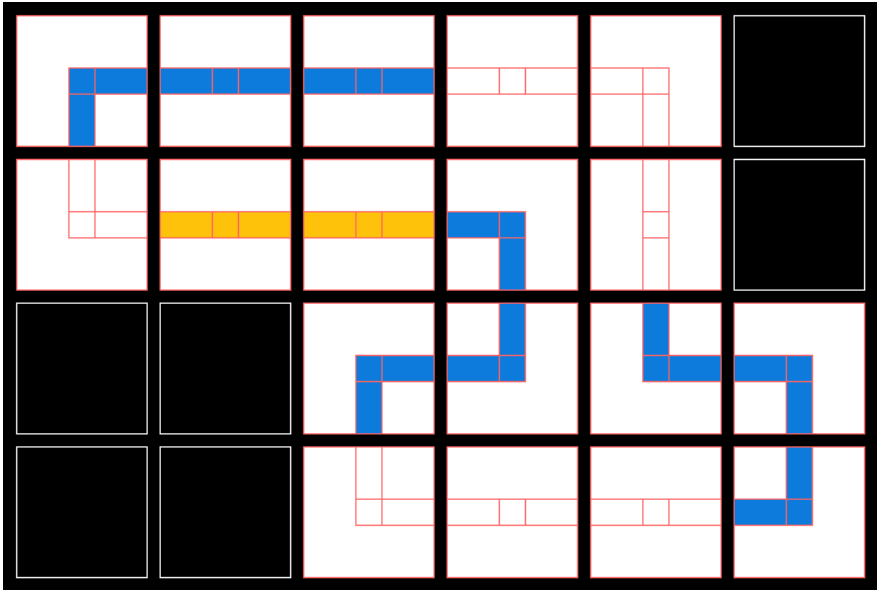
Figure 301: 1-3-Lx

Move	New State	Result
A4	1-2-3	Win
A4,A5	1-1-3	Loss
A5,B5	1-1-3	Loss
B1	3-Lx	Loss
B5	1-2-3	Win
D3	1-2-Lx	Loss
D3,D4	1-1-Lx	Win
D3,D4,D5	1-Lx	Loss
D4	1-1-1-Lx	Loss
D4,D5	1-1-Lx	Win
D5	1-2-Lx	Loss

1-C4
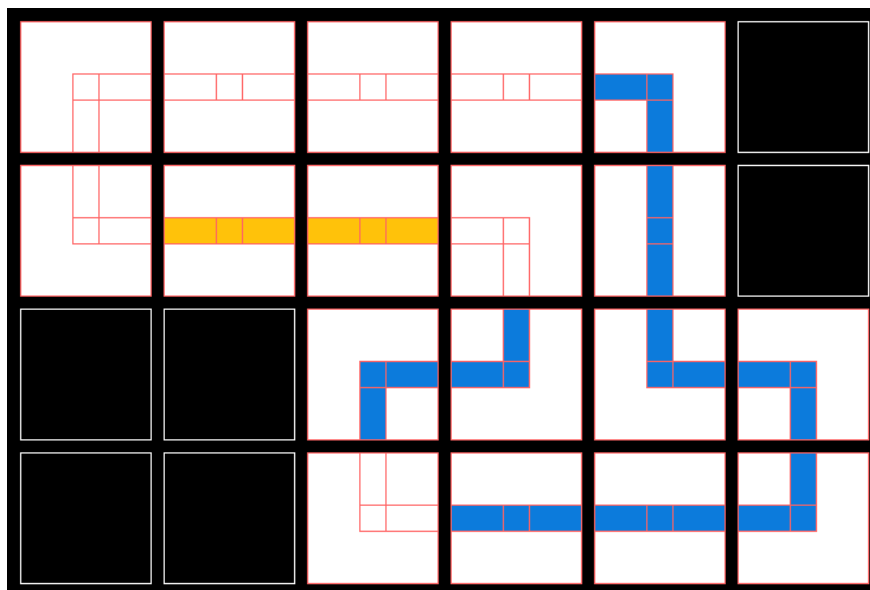
Figure 302: 1-C4

Move	New State	Result
A1,A2	1-1-L	Loss
A1,A2,A3	1-1-2	Loss
A1,B1	1-L3	Loss
A2	1-2-L	Win
A2,A3	1-2-2	Loss
A2,A3,A4	1-1-2	Loss
A3	1-2-Lx	Loss
A3,A4	1-1-Lx	Win
A4	1-1-L3x	Loss
A4,B4	1-L3x	Loss
B1	1-L4	Win
B4	1-L4x	Loss
D3	C4	Loss

1-L-Lx
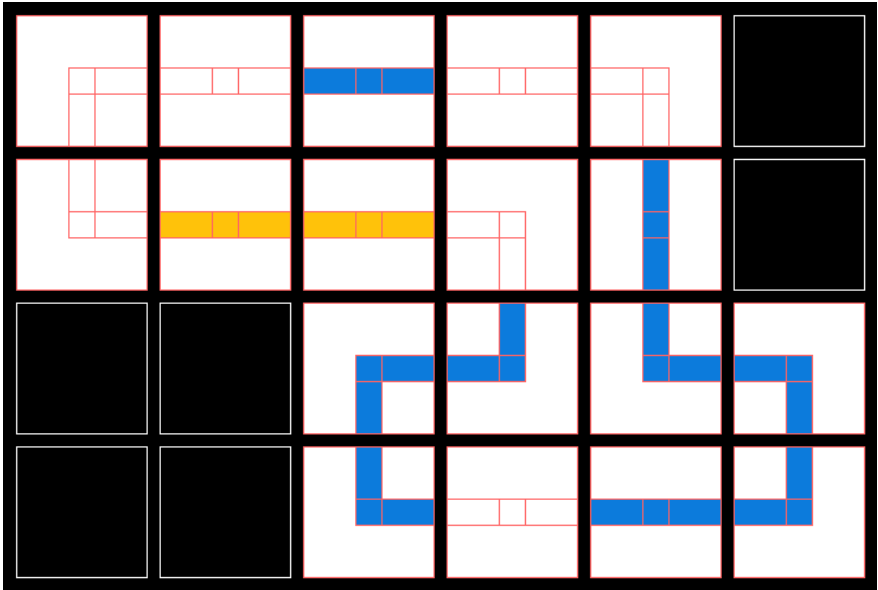
Figure 303: 1-L-Lx

Move	New State	Result
A1,A2	1-1-L	Loss
A1,B1	1-1-L	Loss
A2	1-2-L	Win
A4	1-1-1-Lx	Loss
A4,A5	1-1-Lx	Win
A4,B4	1-1-Lx	Win
A5	1-2-Lx	Loss
B1	1-2-L	Win
B4	1-2-Lx	Loss
D4	L-Lx	Loss

1-L5x
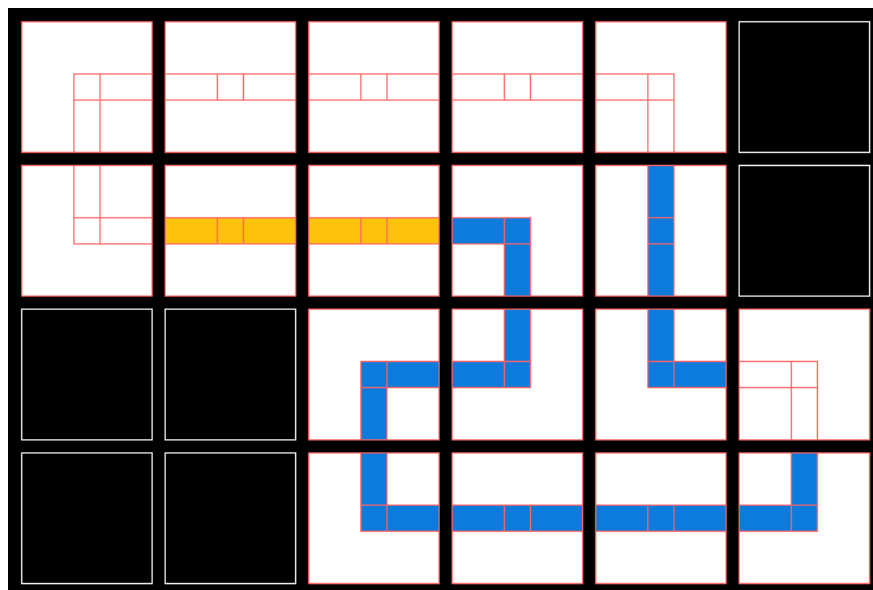
Figure 304: 1-L5x

Move	New State	Result
A1,A2	1-1-3	Loss
A1,A2,A3	1-1-2	Loss
A1,B1	1-4	Loss
A2	1-2-3	Win
A2,A3	1-2-2	Loss
A2,A3,A4	1-1-2	Loss
A3	1-2-Lx	Loss
A3,A4	1-1-Lx	Win
A3,A4,A5	1-Lx	Loss
A4	1-1-L3x	Loss
A4,A5	1-L3x	Loss
A5	1-L4x	Loss
B1	1-5	Win
C6	L5x	Loss

1-Lx-Lx
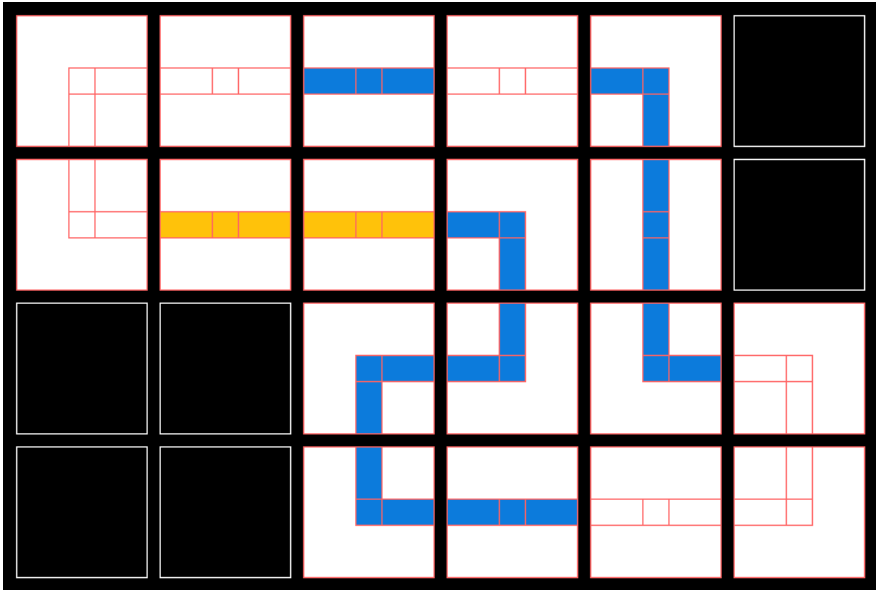
Figure 305: 1-Lx-Lx

Move	New State	Result
A1,A2	1-1-Lx	Win
A1,B1	1-1-Lx	Win
A2	1-2-Lx	Loss
A4	Lx-Lx	Win
B1	1-2-Lx	Loss
C6	1-2-Lx	Loss
C6,D6	1-1-Lx	Win
D5	1-2-Lx	Loss
D5,D6	1-1-Lx	Win

1-S+2
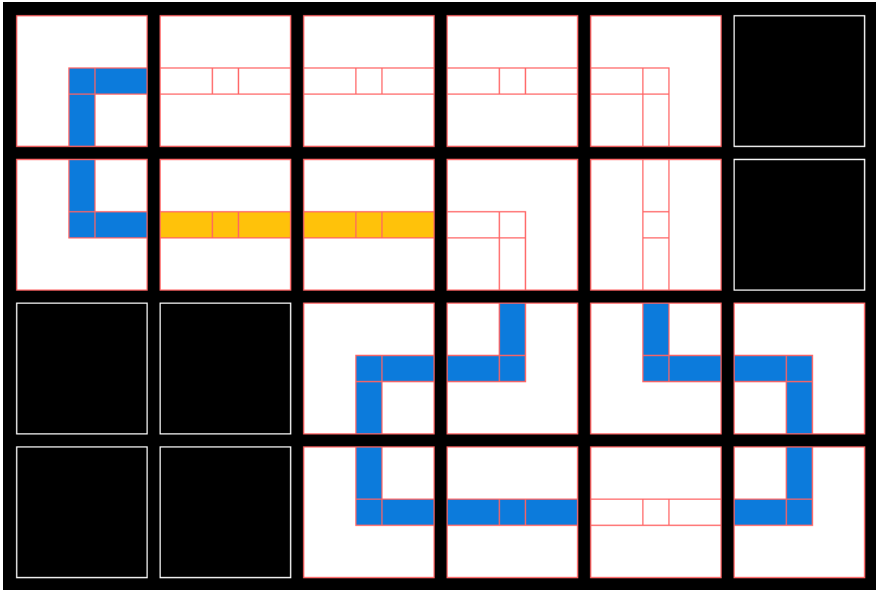
Figure 306: 1-S+2

Move	New State	Result
A2	1-S+1	Loss
A2,A3	1-S	Win
A2,A3,A4	1-L	Loss
A3	1-1-S	Loss
A3,A4	1-1-L	Loss
A3,A4,A5	1-1-2	Loss
A4,B4	1-2-2	Loss
A5,B5	1-L3	Loss
B4	1-L4x	Loss
B4,B5	1-4	Loss
B5	1-T4	Loss
D5	S+2	Loss

1-T5
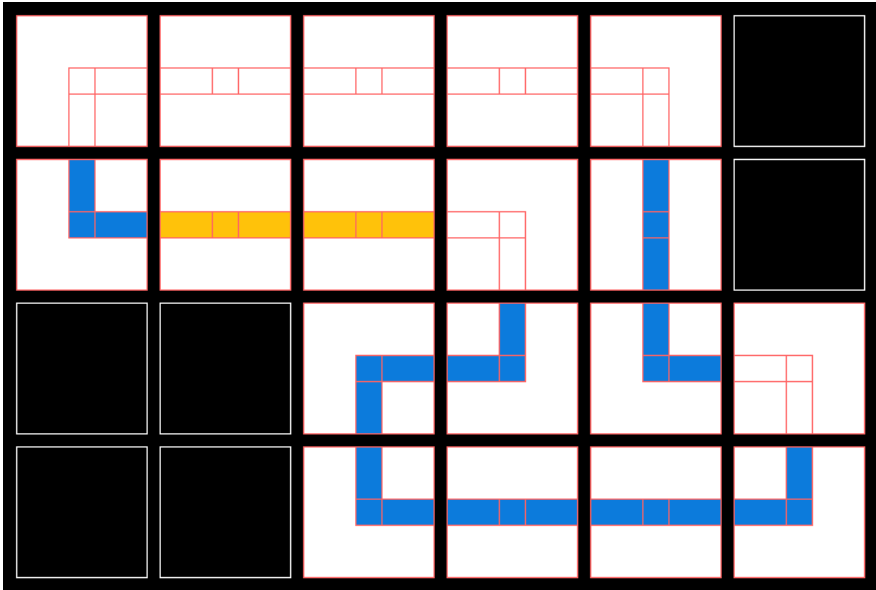
Figure 307: 1-T5

Move	New State	Result
A1	1-T4	Loss
A1,A2	1-T	Loss
A1,A2,A3	1-L	Loss
A2	1-1-T	Loss
A2,A3	1-1-L	Loss
A2,A3,A4	1-1-1-1	Win
A3	1-2-L	Win
A3,A4	1-1-1-2	Loss
A3,A4,A5	1-1-2	Loss
A4,A5	1-1-3	Loss
A4,B4	1-1-3	Loss
A5	1-L4	Win
B4	1-5	Win
C6	T5	Win

2-2-3
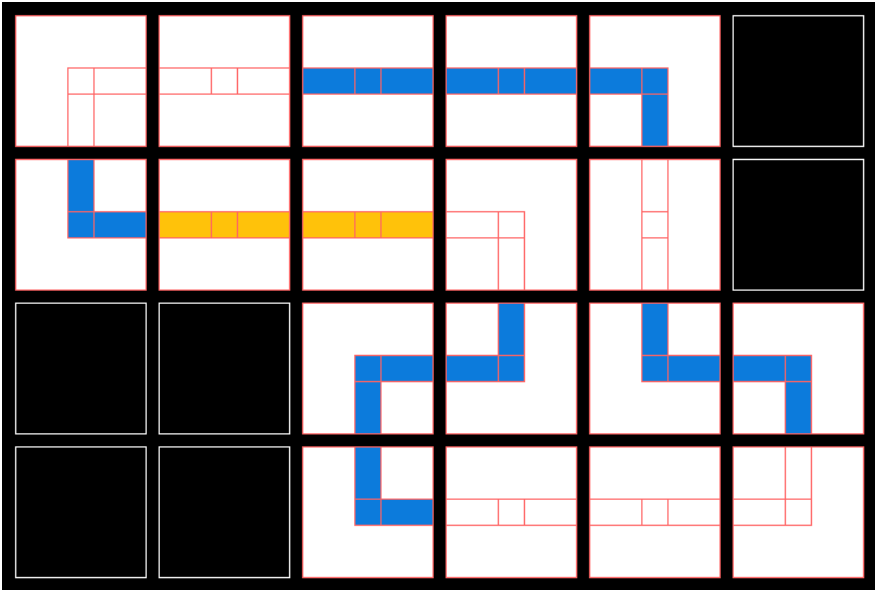
Figure 308: 2-2-3

Move	New State	Result
A1	1-2-3	Win
A1,A2	2-3	Loss
A2	1-2-3	Win
B4	1-2-3	Win
B4,B5	2-3	Loss
B5	1-2-3	Win
D4	2-2-2	Loss
D4,D5	1-2-2	Loss
D4,D5,D6	2-2	Win
D5	1-1-2-2	Win
D5,D6	1-2-2	Loss
D6	2-2-2	Loss

2-2-L
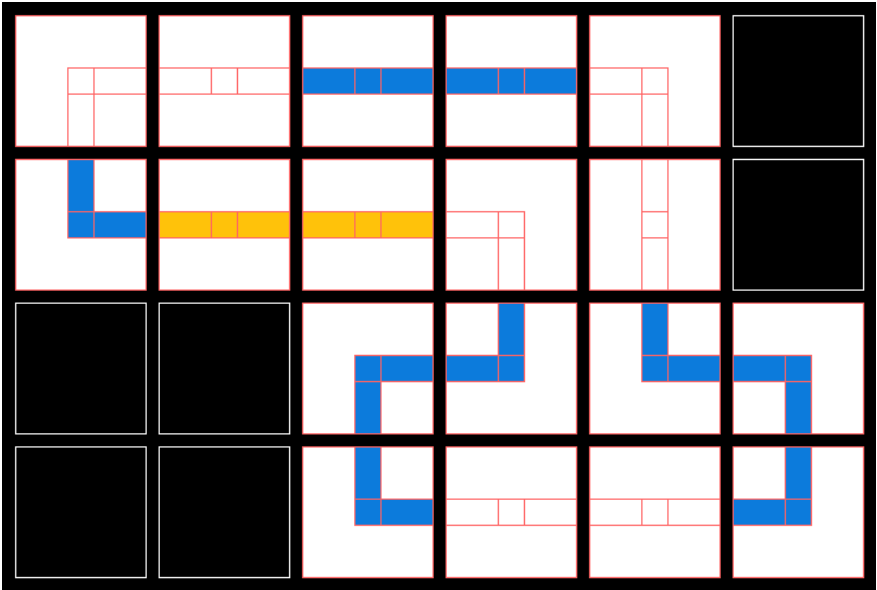
Figure 309: 2-2-L

Move	New State	Result
A1	1-2-L	Win
A1,A2	2-L	Loss
A2	1-2-L	Win
A5	2-2-2	Loss
A5,B5	1-2-2	Loss
B4	2-2-2	Loss
B4,B5	1-2-2	Loss
B5	1-1-2-2	Win
D4	1-2-L	Win
D4,D5	2-L	Loss
D5	1-2-L	Win

2-2-Lx
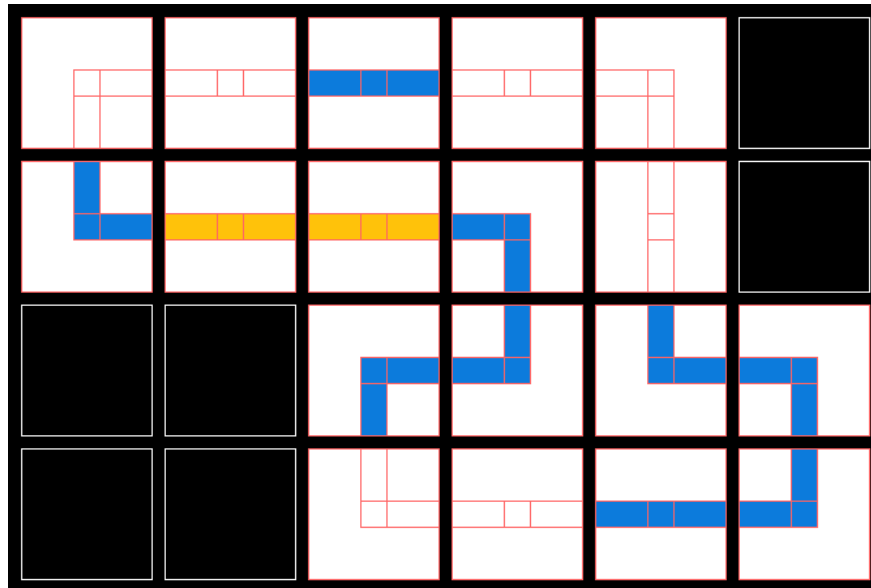
Figure 310: 2-2-Lx

Move	New State	Result
A1	1-2-Lx	Loss
A1,A2	2-Lx	Loss
A2	1-2-Lx	Loss
A4	2-2-2	Loss
A4,A5	1-2-2	Loss
A5,B5	1-2-2	Loss
B5	2-2-2	Loss
D3	1-2-Lx	Loss
D3,D4	2-Lx	Loss
D4	1-2-Lx	Loss

2-5
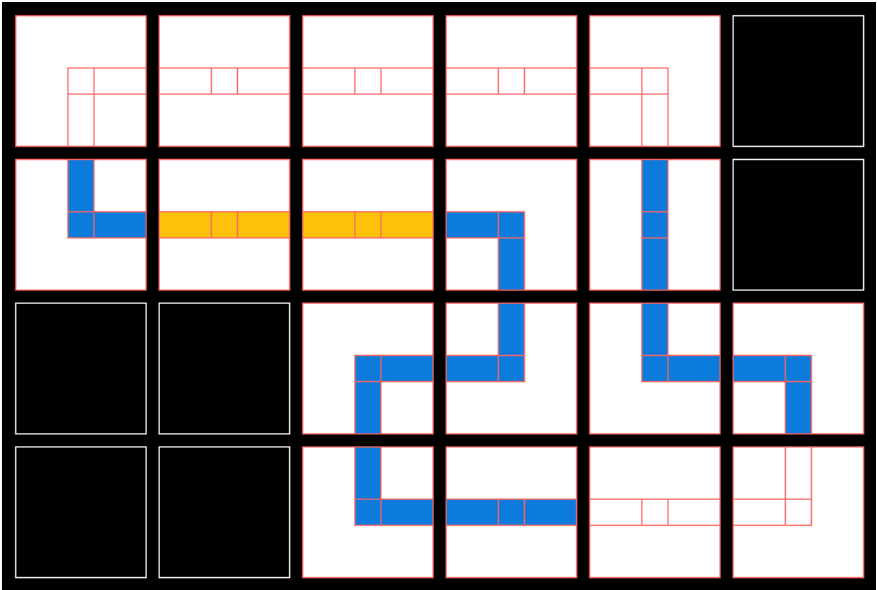
Figure 311: 2-5

Move	New State	Result
A1	2-4	Loss
A1,A2	2-3	Loss
A1,A2,A3	2-2	Win
A2	1-2-3	Win
A2,A3	1-2-2	Loss
A2,A3,A4	1-1-2	Loss
A3	2-2-2	Loss
A3,A4	1-2-2	Loss
A3,A4,A5	2-2	Win
A4	1-2-3	Win
A4,A5	2-3	Loss
A5	2-4	Loss
D5	1-5	Win
D5,D6	5	Loss
D6	1-5	Win

2-L4
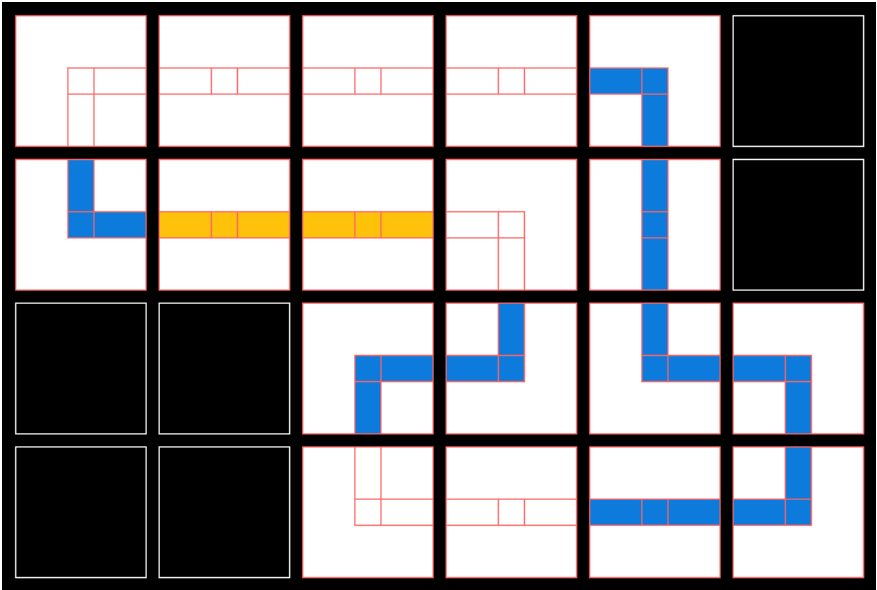
Figure 312: 2-L4

Move	New State	Result
A1	2-L3	Loss
A1,A2	2-L	Loss
A1,A2,A3	2-2	Win
A2	1-2-L	Win
A2,A3	1-2-2	Loss
A2,A3,A4	1-1-2	Loss
A3	2-2-2	Loss
A3,A4	1-2-2	Loss
A4	1-2-3	Win
A4,B4	2-3	Loss
B4	2-4	Loss
D3	1-L4	Win
D3,D4	L4	Loss
D4	1-L4	Win

2-L4x
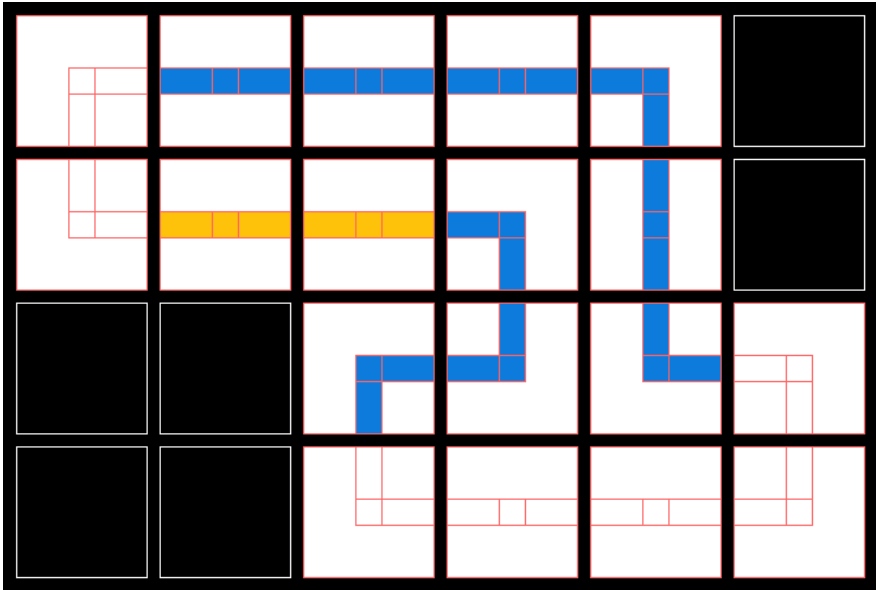
Figure 313: 2-L4x

Move	New State	Result
A1	1-L4x	Loss
A1,B1	L4x	Loss
B1	1-L4x	Loss
C6	2-4	Loss
C6,D6	2-3	Loss
D3	2-L3x	Loss
D3,D4	2-Lx	Loss
D3,D4,D5	2-2	Win
D4	1-2-Lx	Loss
D4,D5	1-2-2	Loss
D4,D5,D6	1-1-2	Loss
D5	2-2-2	Loss
D5,D6	1-2-2	Loss

2-S+1
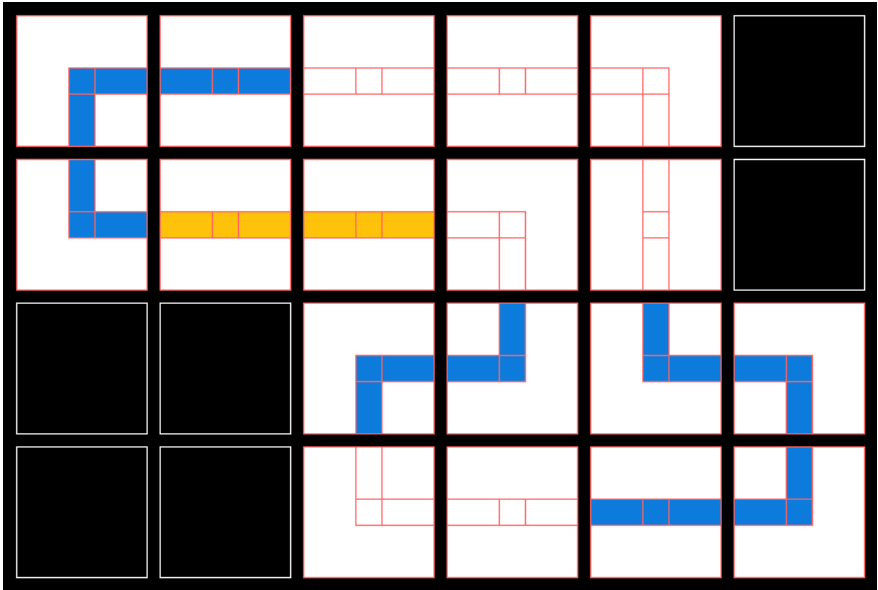
Figure 314: 2-S+1

Move	New State	Result
A3	2-S	Loss
A3,A4	2-L	Loss
A3,A4,A5	2-2	Win
A4,B4	1-2-2	Loss
A5,B5	2-L	Loss
B4	2-L3x	Loss
B4,B5	2-3	Loss
B5	2-T	Win
D3	1-S+1	Loss
D3,D4	S+1	Win
D4	1-S+1	Loss

2-T4
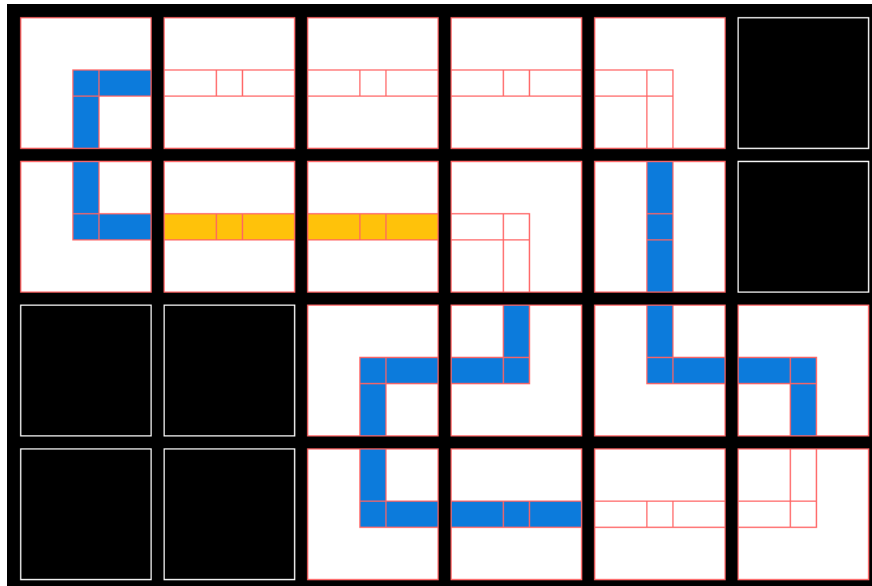
Figure 315: 2-T4

Move	New State	Result
A2	2-T	Win
A2,A3	2-L	Loss
A2,A3,A4	1-1-2	Loss
A3	1-2-L	Win
A3,A4	1-1-1-2	Loss
A3,A4,A5	1-1-2	Loss
A4,A5	1-2-2	Loss
A4,B4	1-2-2	Loss
A5	2-L3	Loss
B4	2-4	Loss
D5	1-T4	Loss
D5,D6	T4	Loss
D6	1-T4	Loss

3-4
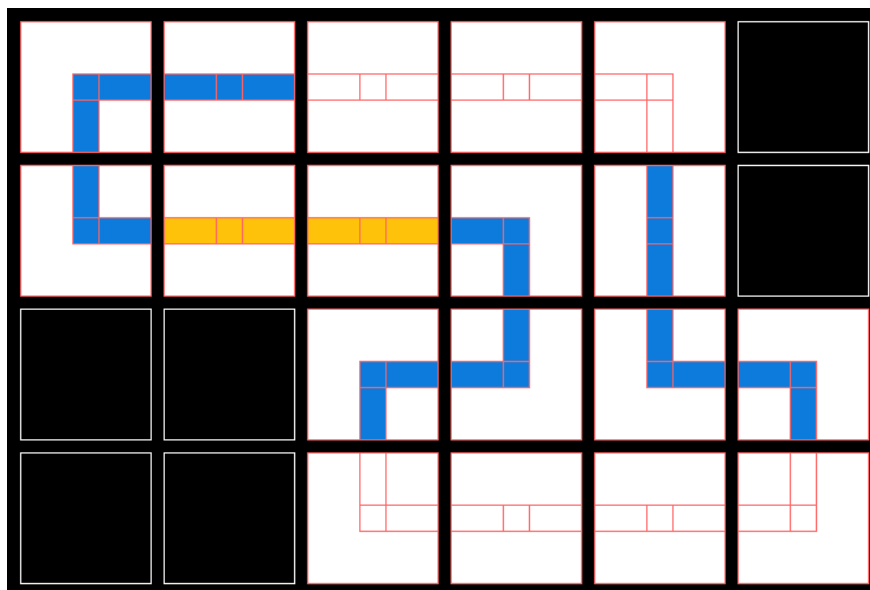
Figure 316: 3-4

Move	New State	Result
A3	2-4	Loss
A3,A4	1-4	Loss
A3,A4,A5	4	Loss
A4	1-1-4	Loss
A4,A5	1-4	Loss
A5	2-4	Loss
D3	3-3	Win
D3,D4	2-3	Loss
D3,D4,D5	1-3	Loss
D4	1-2-3	Win
D4,D5	1-1-3	Loss
D4,D5,D6	1-3	Loss
D5	1-2-3	Win
D5,D6	2-3	Loss
D6	3-3	Win

3-L3
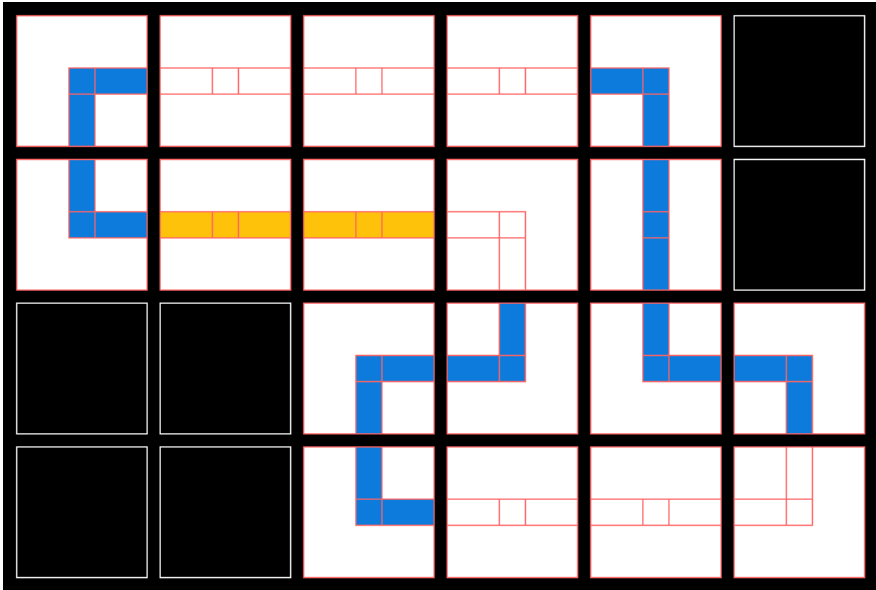
Figure 317: 3-L3

Move	New State	Result
A2	3-L	Win
A2,A3	2-3	Loss
A2,A3,A4	1-3	Loss
A3	1-2-3	Win
A3,A4	1-1-3	Loss
A4	1-2-3	Win
A4,B4	2-3	Loss
B4	3-3	Win
D4	2-L3	Loss
D4,D5	1-L3	Loss
D4,D5,D6	L3	Loss
D5	1-1-L3	Loss
D5,D6	1-L3	Loss
D6	2-L3	Loss

3-L3x
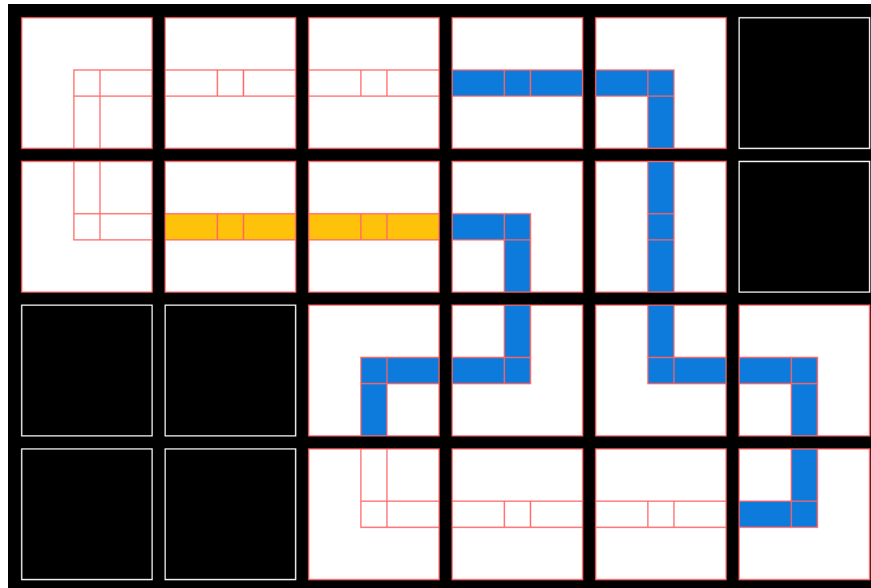
Figure 318: 3-L3x

Move	New State	Result
A1,A2	1-1-3	Loss
A1,A2,A3	1-3	Loss
A1,B1	2-3	Loss
A2	1-2-3	Win
A2,A3	2-3	Loss
A3	3-Lx	Loss
B1	3-3	Win
D3	2-L3x	Loss
D3,D4	1-L3x	Loss
D3,D4,D5	L3x	Loss
D4	1-1-L3x	Loss
D4,D5	1-L3x	Loss
D5	2-L3x	Loss

3-S
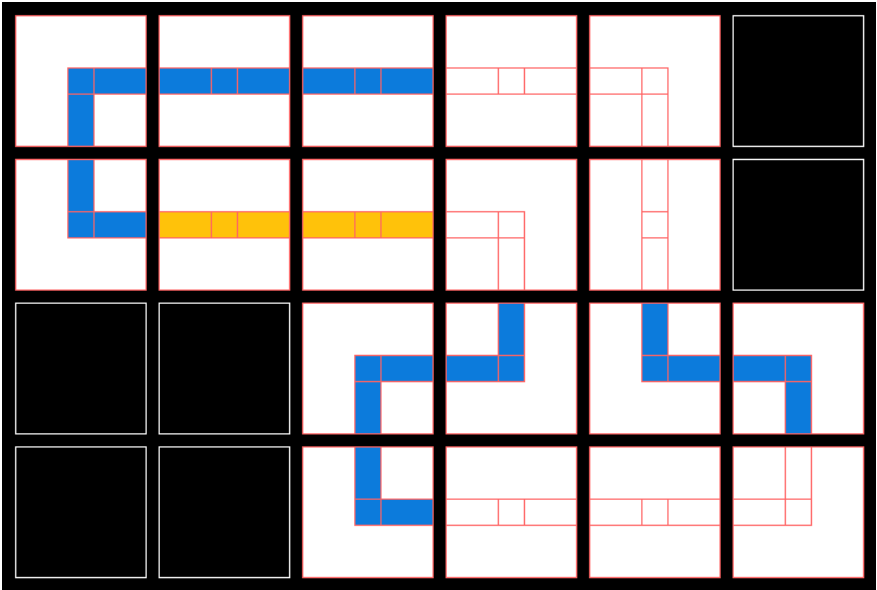
Figure 319: 3-S

Move	New State	Result
A4	3-L	Win
A4,A5	2-3	Loss
A4,B4	2-3	Loss
A5,B5	2-3	Loss
B4	3-Lx	Loss
B4,B5	2-3	Loss
B5	3-L	Win
D4	2-S	Loss
D4,D5	1-S	Win
D4,D5,D6	S	Loss
D5	1-1-S	Loss
D5,D6	1-S	Win
D6	2-S	Loss

3-T
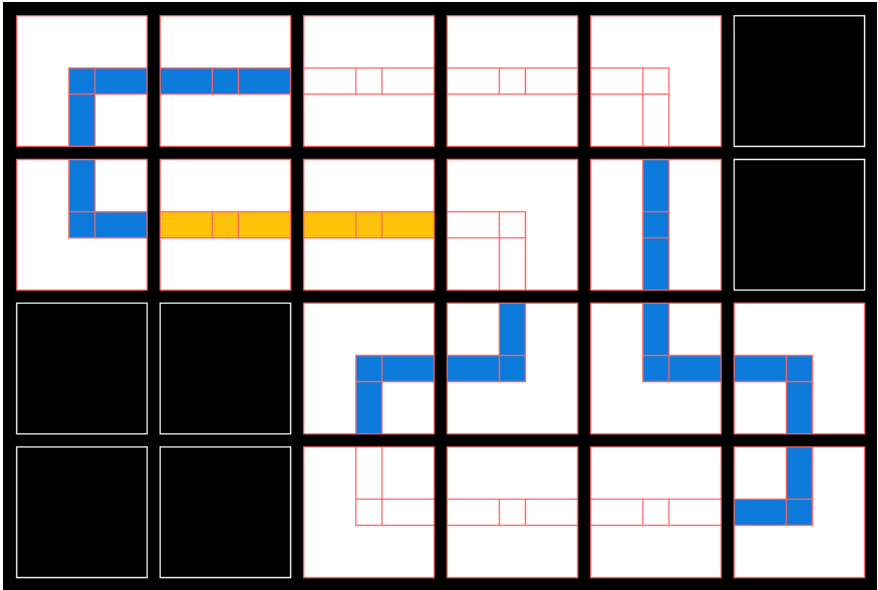
Figure 320: 3-T

Move	New State	Result
A3	3-L	Win
A3,A4	1-1-3	Loss
A3,A4,A5	1-3	Loss
A4,A5	1-1-3	Loss
A4,B4	1-1-3	Loss
A5	3-L	Win
B4	3-3	Win
D3	2-T	Win
D3,D4	1-T	Loss
D3,D4,D5	T	Loss
D4	1-1-T	Loss
D4,D5	1-T	Loss
D5	2-T	Win

4-L
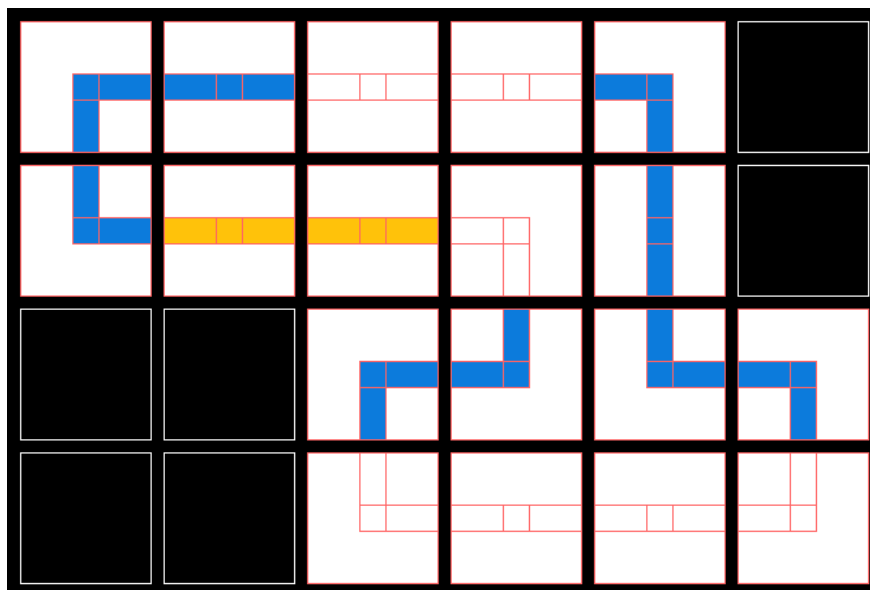
Figure 321: 4-L

Move	New State	Result
A3	2-4	Loss
A3,A4	1-4	Loss
A4	1-1-4	Loss
A4,B4	1-4	Loss
B4	2-4	Loss
D3	3-L	Win
D3,D4	2-L	Loss
D3,D4,D5	1-L	Loss
D4	1-2-L	Win
D4,D5	1-1-L	Loss
D4,D5,D6	1-L	Loss
D5	1-2-L	Win
D5,D6	2-L	Loss
D6	3-L	Win

4-Lx
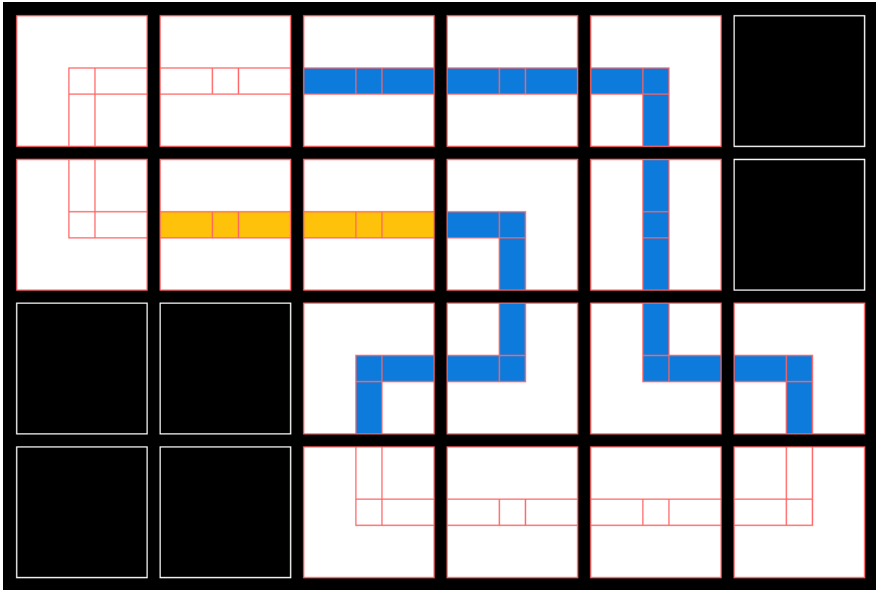
Figure 322: 4-Lx

Move	New State	Result
A1,A2	1-4	Loss
A1,B1	1-4	Loss
A2	2-4	Loss
B1	2-4	Loss
D3	3-Lx	Loss
D3,D4	2-Lx	Loss
D3,D4,D5	1-Lx	Loss
D4	1-2-Lx	Loss
D4,D5	1-1-Lx	Win
D4,D5,D6	1-Lx	Loss
D5	1-2-Lx	Loss
D5,D6	2-Lx	Loss
D6	3-Lx	Loss

C4+1
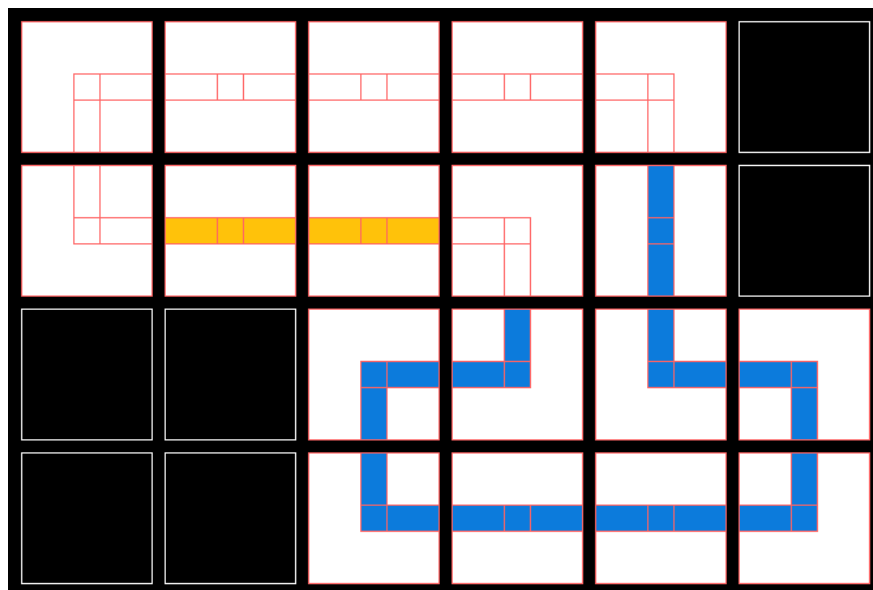
Figure 323: C4+1

Move	New State	Result
A1,A2	1-T	Loss
A1,A2,A3	1-L	Loss
A1,B1	T4	Loss
A2	2-T	Win
A2,A3	2-L	Loss
A2,A3,A4	1-1-2	Loss
A3	L-Lx	Loss
A3,A4	1-1-Lx	Win
A3,A4,A5	1-Lx	Loss
A4,A5	1-L3x	Loss
A4,B4	1-L3x	Loss
A5	C4	Loss
B1	T5	Win
B4	L5x	Loss

C5
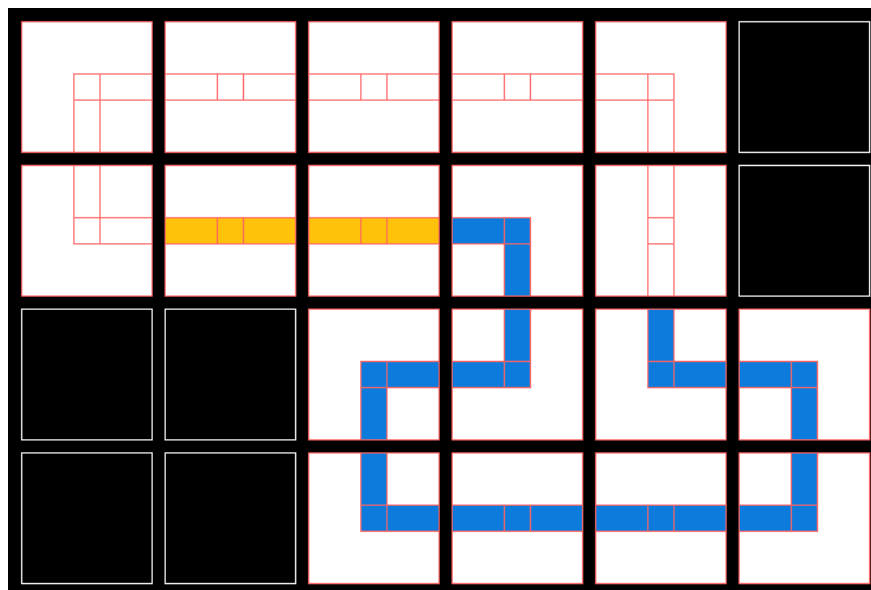
Figure 324: C5

Move	New State	Result
A1,A2	1-L3x	Loss
A1,A2,A3	1-Lx	Loss
A1,B1	L4x	Loss
A2	2-L3x	Loss
A2,A3	2-Lx	Loss
A2,A3,A4	2-2	Win
A3	Lx-Lx	Win
A3,A4	2-Lx	Loss
A3,A4,A5	1-Lx	Loss
A4	2-L3x	Loss
A4,A5	1-L3x	Loss
A5,B5	L4x	Loss
B1	L5x	Loss
B5	L5x	Loss

L-L3x
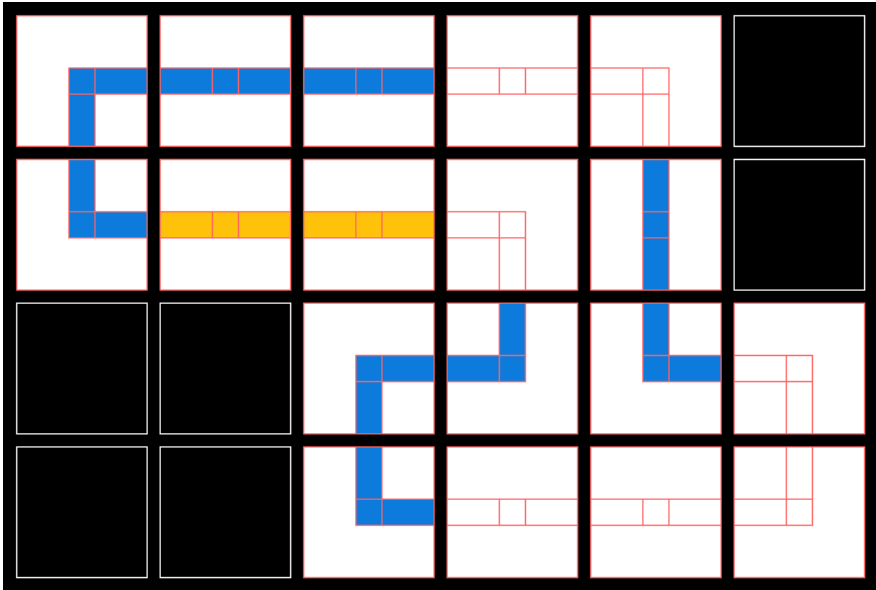
Figure 325: L-L3x

Move	New State	Result
A4	1-1-L3x	Loss
A4,A5	1-L3x	Loss
A4,B4	1-L3x	Loss
A5	2-L3x	Loss
B4	2-L3x	Loss
C6	3-L	Win
C6,D6	2-L	Loss
D4	L-Lx	Loss
D4,D5	2-L	Loss
D4,D5,D6	1-L	Loss
D5	1-2-L	Win
D5,D6	1-1-L	Loss

L3-Lx
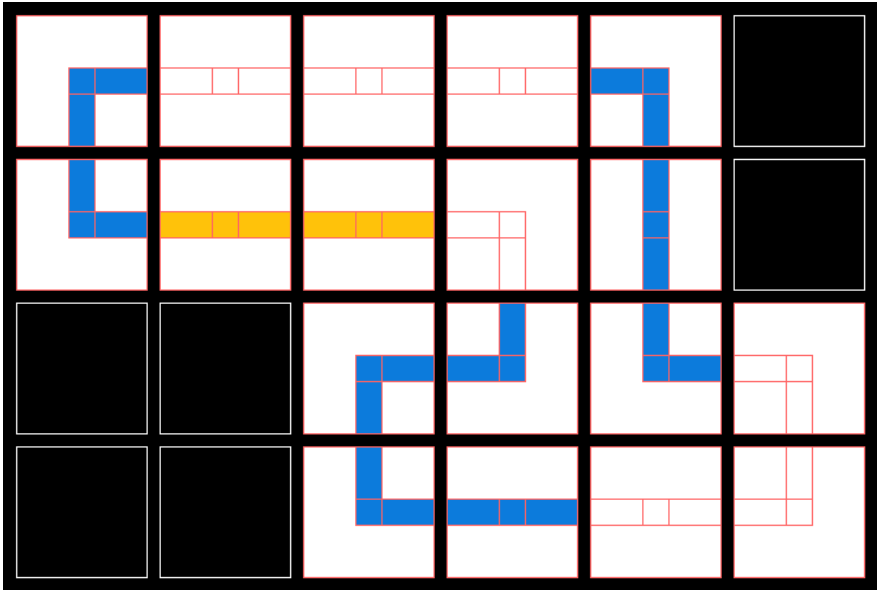
Figure 326: L3-Lx

Move	New State	Result
A2	L-Lx	Loss
A2,A3	2-Lx	Loss
A2,A3,A4	1-Lx	Loss
A3	1-2-Lx	Loss
A3,A4	1-1-Lx	Win
A4	1-2-Lx	Loss
A4,B4	2-Lx	Loss
B4	3-Lx	Loss
C6	2-L3	Loss
C6,D6	1-L3	Loss
D5	2-L3	Loss
D5,D6	1-L3	Loss

L3x-Lx
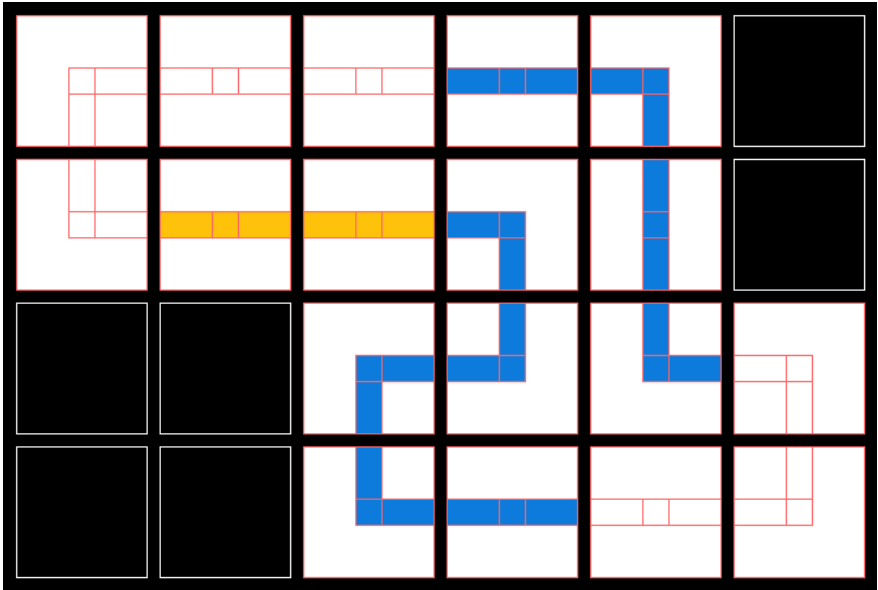
Figure 327: L3x-Lx

Move	New State	Result
A1,A2	1-1-Lx	Win
A1,A2,A3	1-Lx	Loss
A1,B1	2-Lx	Loss
A2	1-2-Lx	Loss
A2,A3	2-Lx	Loss
A3	Lx-Lx	Win
B1	3-Lx	Loss
C6	2-L3x	Loss
C6,D6	1-L3x	Loss
D5	2-L3x	Loss
D5,D6	1-L3x	Loss

Lx-S
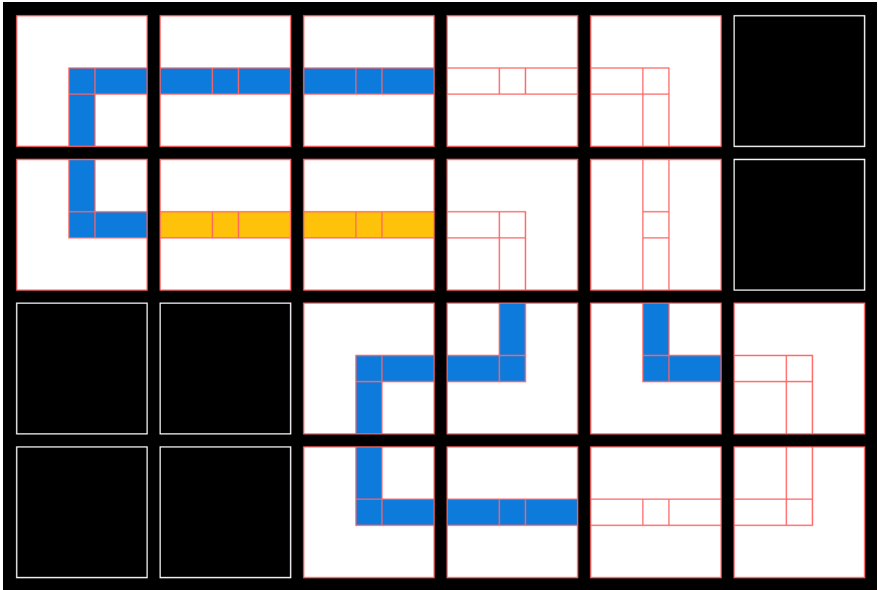
Figure 328: Lx-S

Move	New State	Result
A4	L-Lx	Loss
A4,A5	2-Lx	Loss
A4,B4	2-Lx	Loss
A5,B5	2-Lx	Loss
B4	Lx-Lx	Win
B4,B5	2-Lx	Loss
B5	L-Lx	Loss
C6	2-S	Loss
C6,D6	1-S	Win
D5	2-S	Loss
D5,D6	1-S	Win

Lx-T
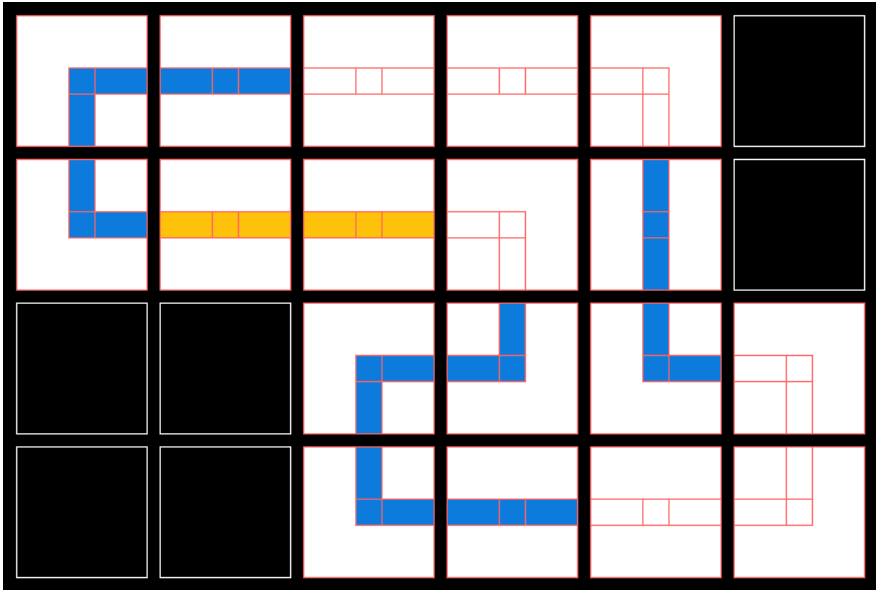
Figure 329: Lx-T

Move	New State	Result
A3	L-Lx	Loss
A3,A4	1-1-Lx	Win
A3,A4,A5	1-Lx	Loss
A4,A5	1-1-Lx	Win
A4,B4	1-1-Lx	Win
A5	L-Lx	Loss
B4	3-Lx	Loss
C6	2-T	Win
C6,D6	1-T	Loss
D5	2-T	Win
D5,D6	1-T	Loss

S+3
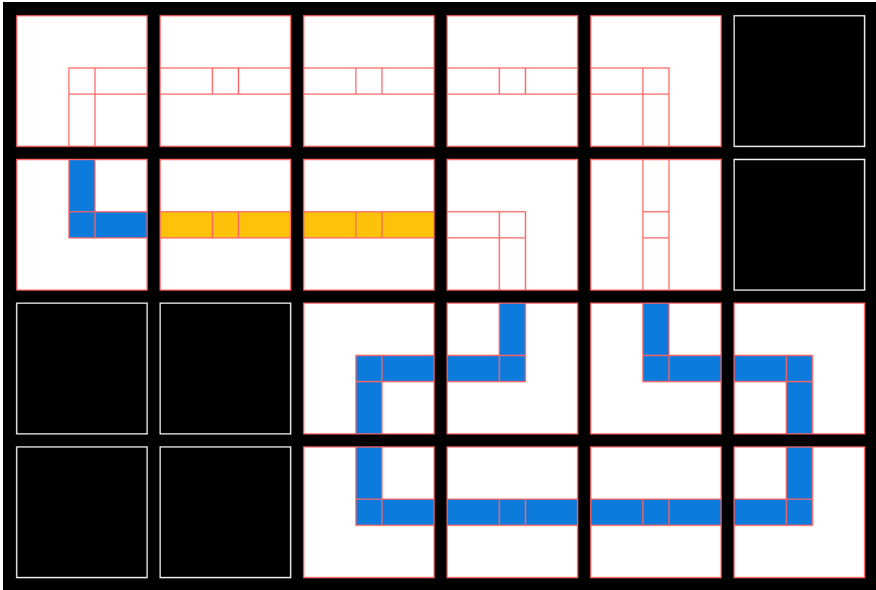
Figure 330: S+3

Move	New State	Result
A1	S+2	Loss
A1,A2	S+1	Win
A1,A2,A3	S	Loss
A2	1-S+1	Loss
A2,A3	1-S	Win
A2,A3,A4	1-L	Loss
A3	2-S	Loss
A3,A4	2-L	Loss
A3,A4,A5	2-2	Win
A4,B4	2-3	Loss
A5,B5	L4	Loss
B4	L5x	Loss
B4,B5	5	Loss
B5	T5	Win

1-1-1-1-2
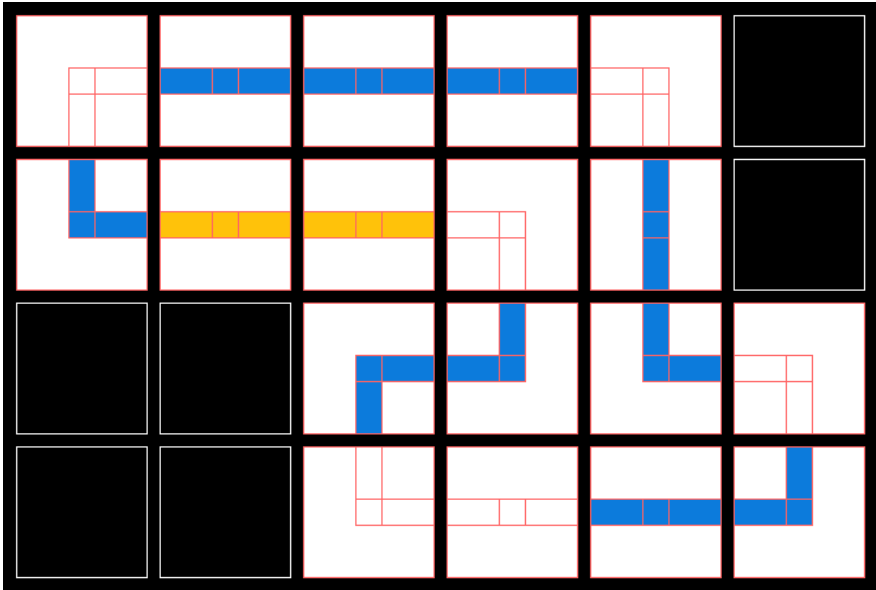
Figure 331: 1-1-1-1-2

Move	New State	Result
A1	1-1-1-2	Loss
A5	1-1-1-2	Loss
B4	1-1-1-2	Loss
C6	1-1-1-2	Loss
D3	1-1-1-1-1	Loss
D3,D4	1-1-1-1	Win
D4	1-1-1-1-1	Loss

1-1-1-3
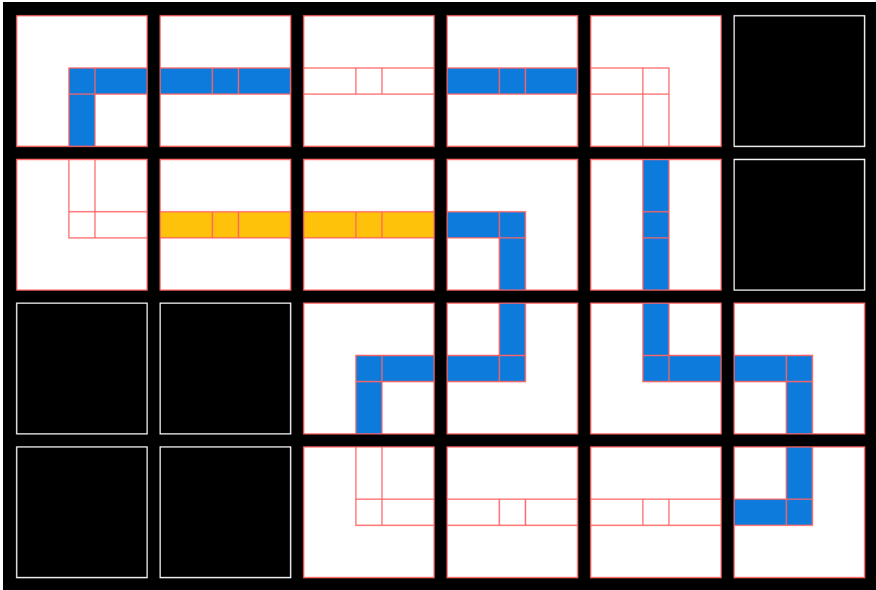
Figure 332: 1-1-1-3

Move	New State	Result
A3	1-1-3	Loss
A5	1-1-3	Loss
B1	1-1-3	Loss
D3	1-1-1-2	Loss
D3,D4	1-1-1-1	Win
D3,D4,D5	1-1-1	Loss
D4	1-1-1-1-1	Loss
D4,D5	1-1-1-1	Win
D5	1-1-1-2	Loss

1-1-1-L
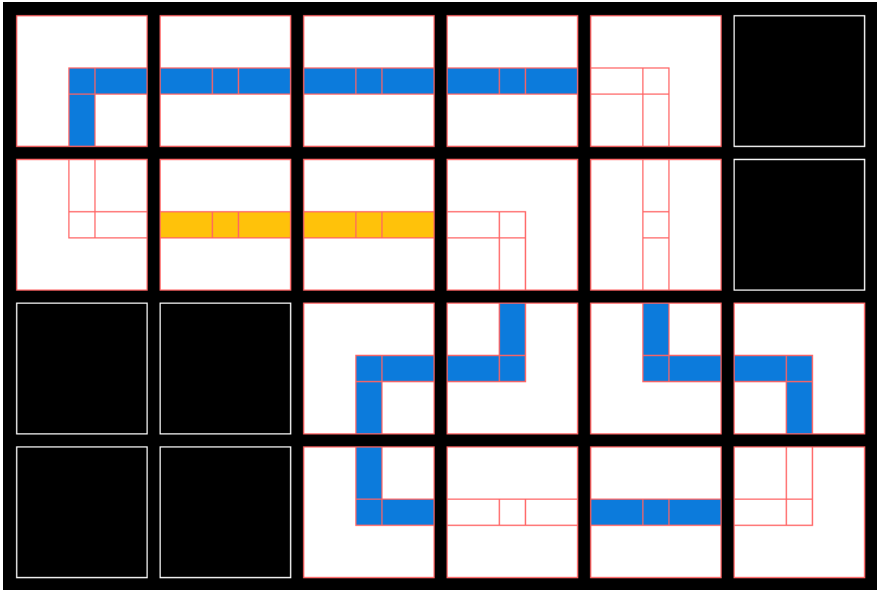
Figure 333: 1-1-1-L

Move	New State	Result
A5	1-1-1-2	Loss
A5,B5	1-1-1-1	Win
B1	1-1-L	Loss
B4	1-1-1-2	Loss
B4,B5	1-1-1-1	Win
B5	1-1-1-1-1	Loss
D4	1-1-L	Loss
D6	1-1-L	Loss

1-1-1-Lx
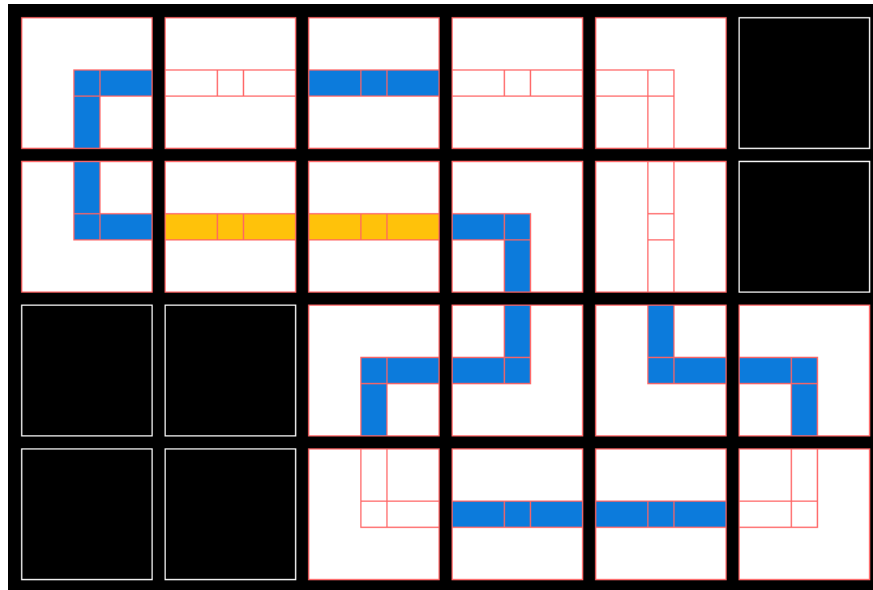
Figure 334: 1-1-1-Lx

Move	New State	Result
A2	1-1-Lx	Win
A4	1-1-1-2	Loss
A4,A5	1-1-1-1	Win
A5,B5	1-1-1-1	Win
B5	1-1-1-2	Loss
D3	1-1-Lx	Win
D6	1-1-Lx	Win

1-1-2-2
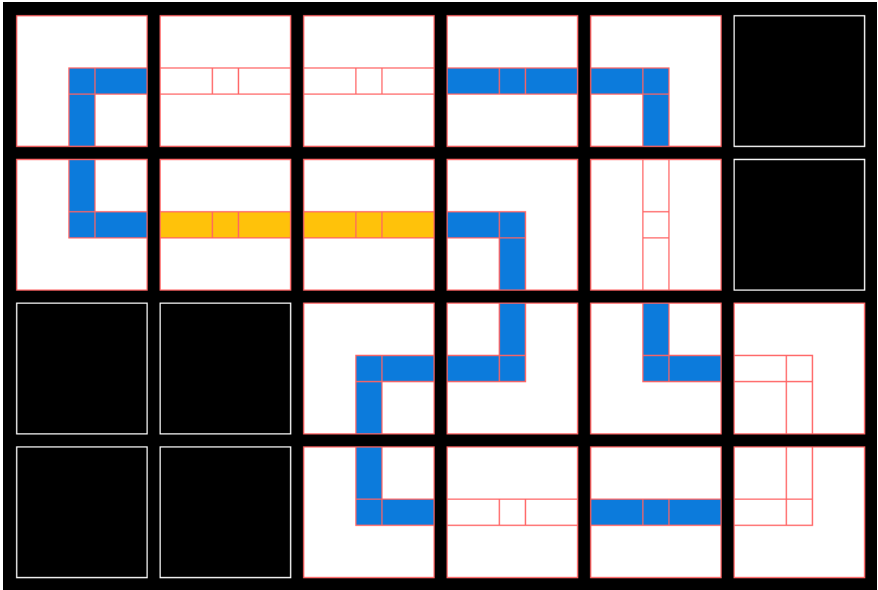
Figure 335: 1-1-2-2

Move	New State	Result
A2	1-1-1-2	Loss
A2,A3	1-1-2	Loss
A3	1-1-1-2	Loss
B5	1-2-2	Loss
C6	1-1-1-2	Loss
C6,D6	1-1-2	Loss
D4	1-2-2	Loss
D6	1-1-1-2	Loss

1-1-4
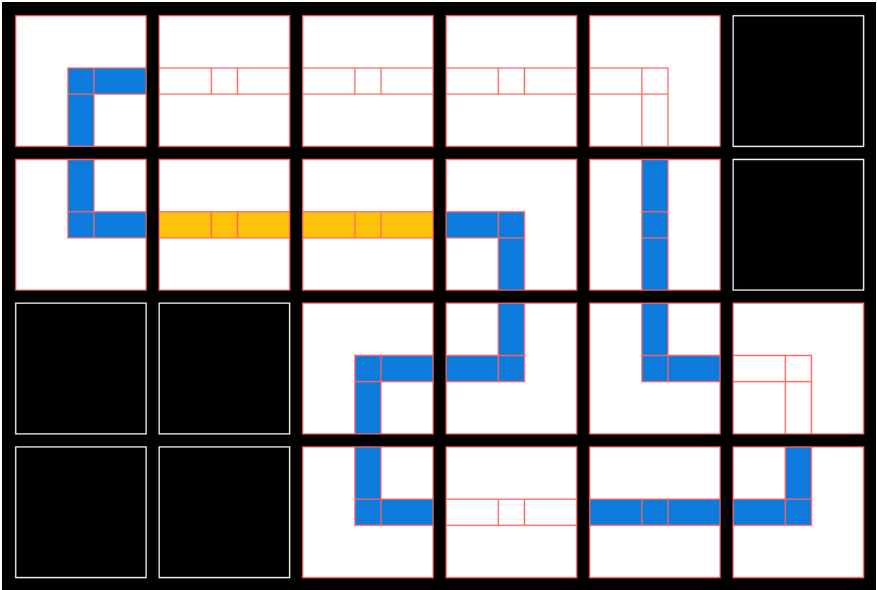
Figure 336: 1-1-4

Move	New State	Result
A2	1-1-3	Loss
A2,A3	1-1-2	Loss
A2,A3,A4	1-1-1	Loss
A3	1-1-1-2	Loss
A3,A4	1-1-1-1	Win
A3,A4,A5	1-1-1	Loss
A4	1-1-1-2	Loss
A4,A5	1-1-2	Loss
A5	1-1-3	Loss
C6	1-4	Loss
D4	1-4	Loss

1-1-L3
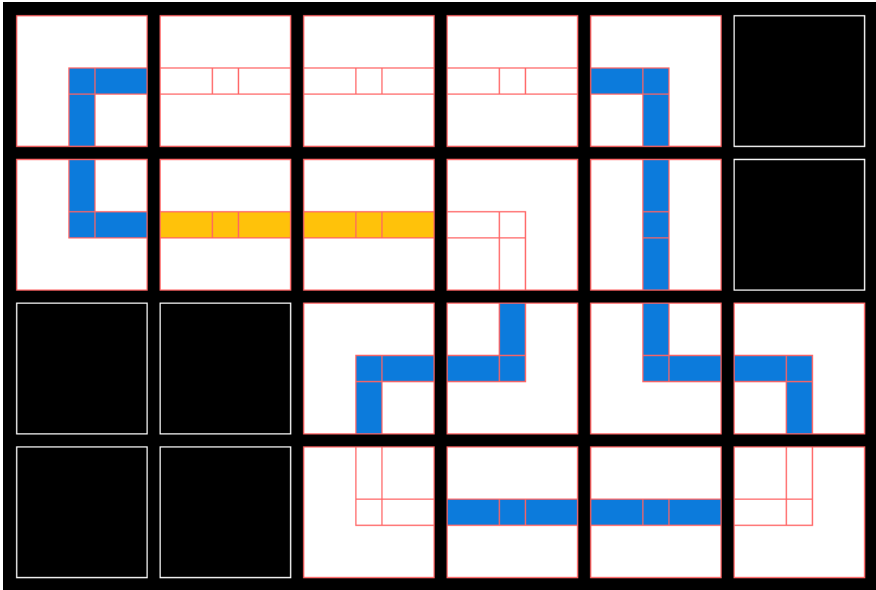
Figure 337: 1-1-L3

Move	New State	Result
A2	1-1-L	Loss
A2,A3	1-1-2	Loss
A2,A3,A4	1-1-1	Loss
A3	1-1-1-2	Loss
A3,A4	1-1-1-1	Win
A4	1-1-1-2	Loss
A4,B4	1-1-2	Loss
B4	1-1-3	Loss
D3	1-L3	Loss
D6	1-L3	Loss

1-1-L3x
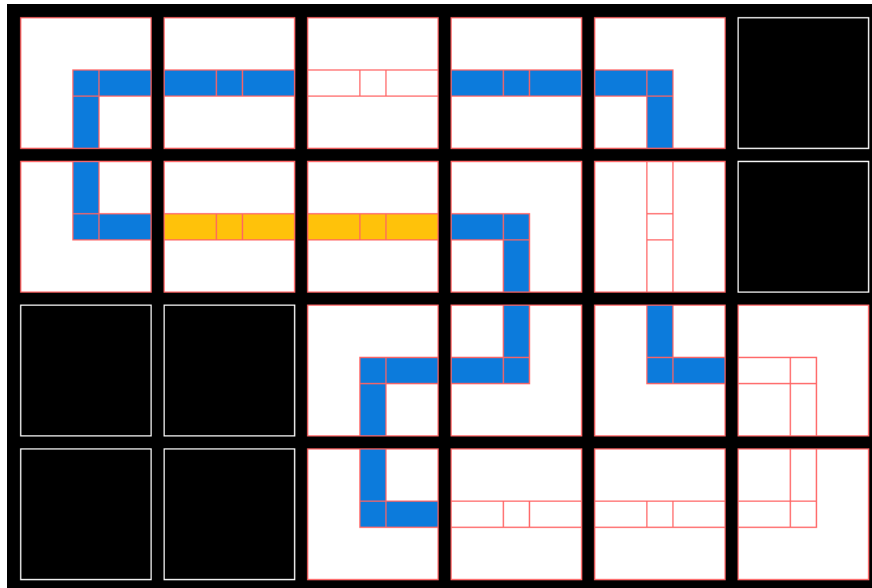
Figure 338: 1-1-L3x

Move	New State	Result
A3	1-L3x	Loss
B5	1-L3x	Loss
C6	1-1-3	Loss
C6,D6	1-1-2	Loss
D4	1-1-Lx	Win
D4,D5	1-1-2	Loss
D4,D5,D6	1-1-1	Loss
D5	1-1-1-2	Loss
D5,D6	1-1-1-1	Win

1-1-S
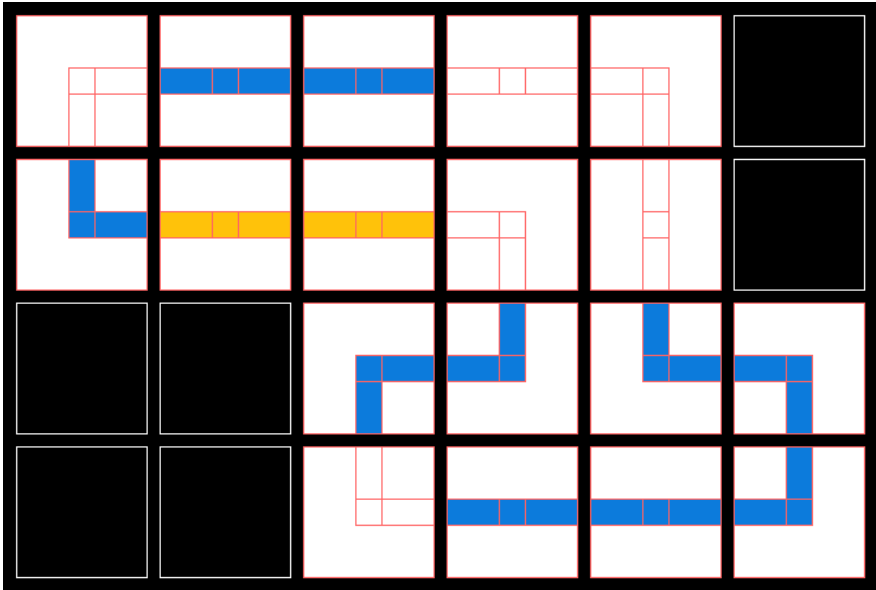
Figure 339: 1-1-S

Move	New State	Result
A1	1-S	Win
A4	1-1-L	Loss
A4,A5	1-1-2	Loss
A4,B4	1-1-2	Loss
A5,B5	1-1-2	Loss
B4	1-1-Lx	Win
B4,B5	1-1-2	Loss
B5	1-1-L	Loss
D3	1-S	Win

1-1-T
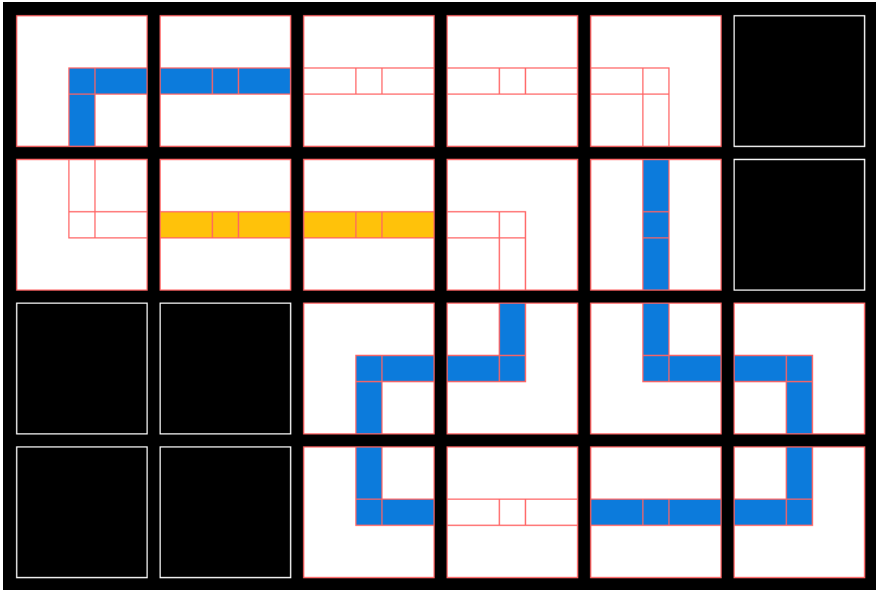
Figure 340: 1-1-T

Move	New State	Result
A3	1-1-L	Loss
A3,A4	1-1-1-1	Win
A3,A4,A5	1-1-1	Loss
A4,A5	1-1-1-1	Win
A4,B4	1-1-1-1	Win
A5	1-1-L	Loss
B1	1-T	Loss
B4	1-1-3	Loss
D4	1-T	Loss

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1-2-3
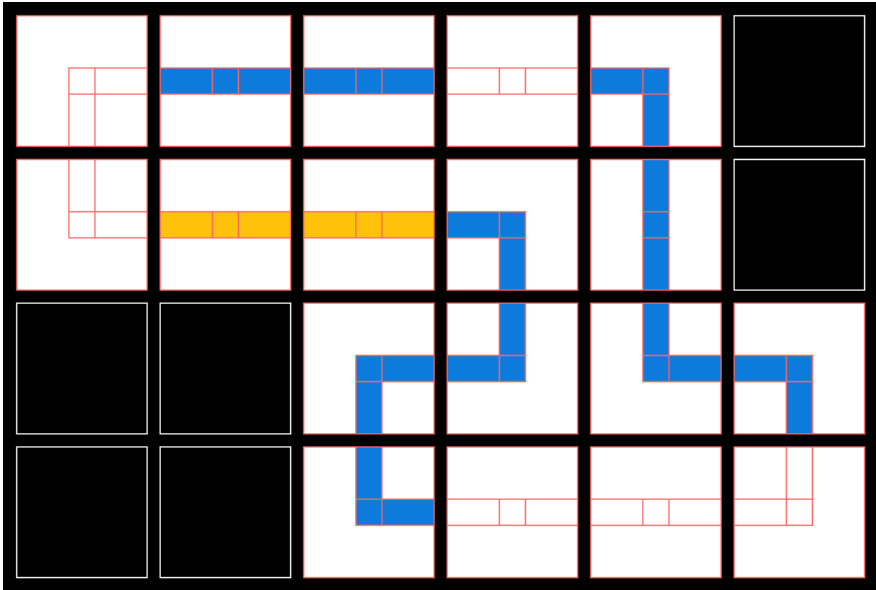
Figure 341: 1-2-3

Move	New State	Result
A1	1-1-3	Loss
A1,B1	1-3	Loss
A4	2-3	Loss
B1	1-1-3	Loss
D4	1-2-2	Loss
D4,D5	1-1-2	Loss
D4,D5,D6	1-2	Loss
D5	1-1-1-2	Loss
D5,D6	1-1-2	Loss
D6	1-2-2	Loss

1-2-L
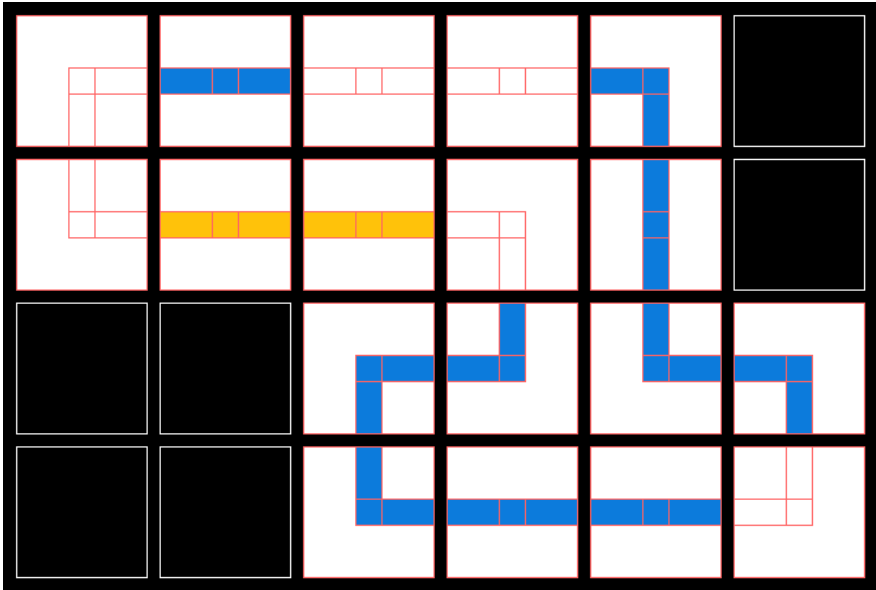
Figure 342: 1-2-L

Move	New State	Result
A1	1-1-L	Loss
A1,B1	1-L	Loss
A3	1-2-2	Loss
A3,A4	1-1-2	Loss
A4	1-1-1-2	Loss
A4,B4	1-1-2	Loss
B1	1-1-L	Loss
B4	1-2-2	Loss
D6	2-L	Loss

1-2-Lx
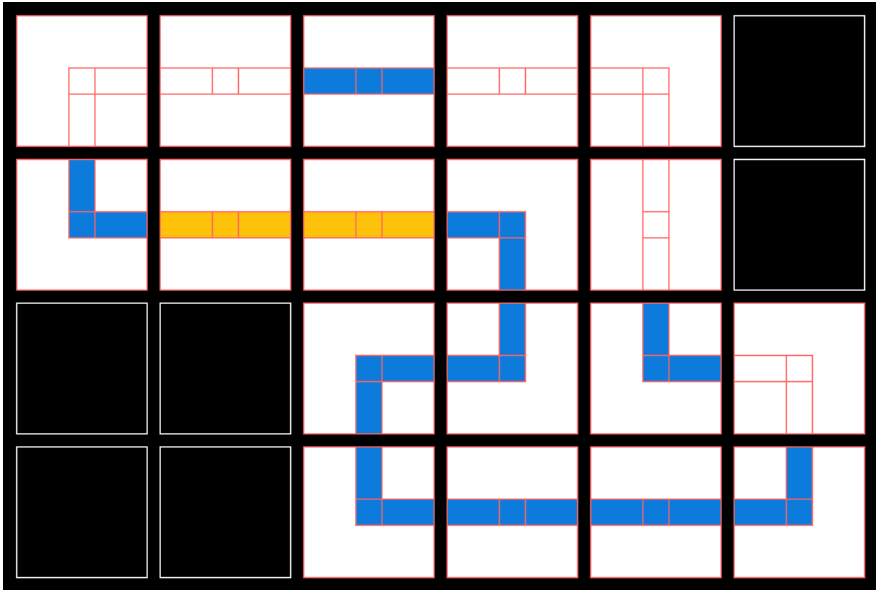
Figure 343: 1-2-Lx

Move	New State	Result
A1	1-1-Lx	Win
A1,A2	1-Lx	Loss
A2	1-1-Lx	Win
A4	1-2-2	Loss
A4,A5	1-1-2	Loss
A5,B5	1-1-2	Loss
B5	1-2-2	Loss
C6	2-Lx	Loss

1-5
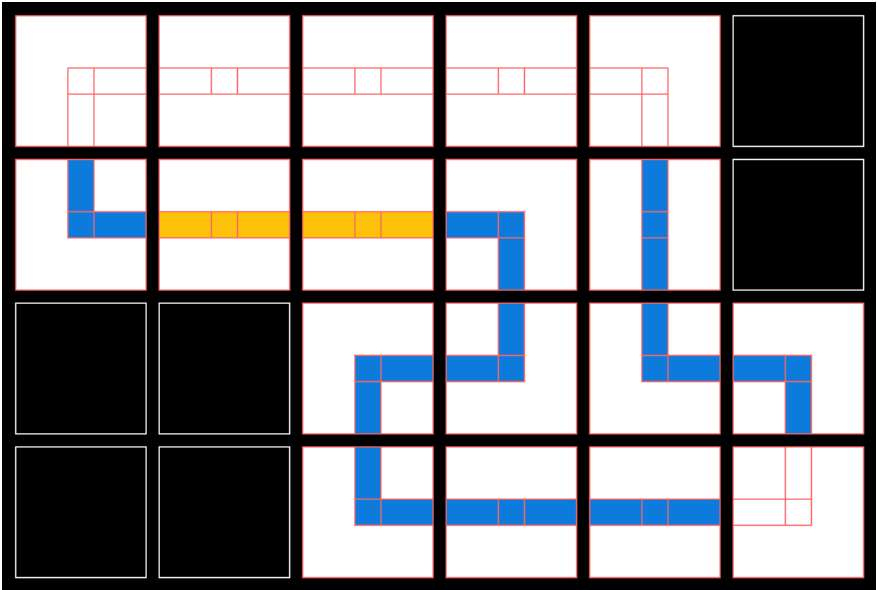
Figure 344: 1-5

Move	New State	Result
A1	1-4	Loss
A1,A2	1-3	Loss
A1,A2,A3	1-2	Loss
A2	1-1-3	Loss
A2,A3	1-1-2	Loss
A2,A3,A4	1-1-1	Loss
A3	1-2-2	Loss
A3,A4	1-1-2	Loss
A3,A4,A5	1-2	Loss
A4	1-1-3	Loss
A4,A5	1-3	Loss
A5	1-4	Loss
D6	5	Loss

1-L4
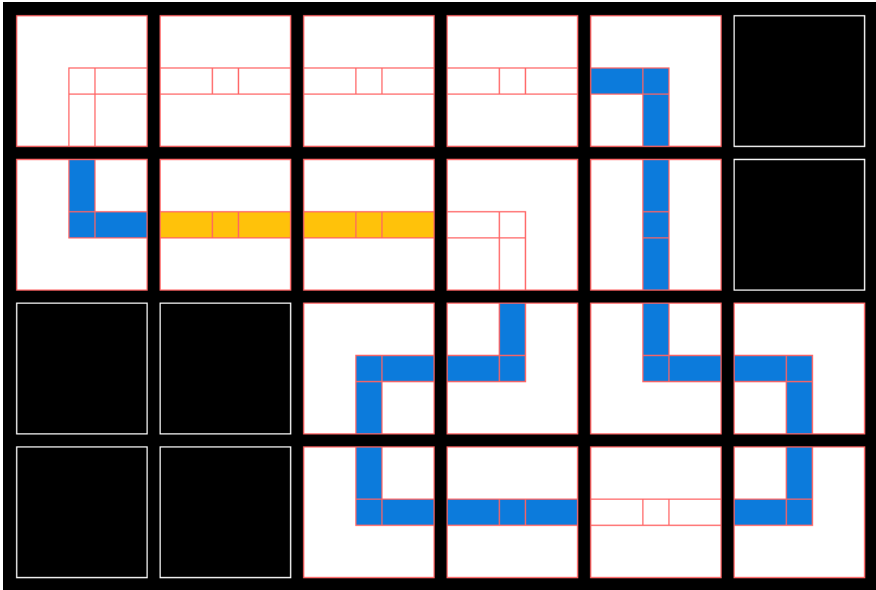
Figure 345: 1-L4

Move	New State	Result
A1	1-L3	Loss
A1,A2	1-L	Loss
A1,A2,A3	1-2	Loss
A2	1-1-L	Loss
A2,A3	1-1-2	Loss
A2,A3,A4	1-1-1	Loss
A3	1-2-2	Loss
A3,A4	1-1-2	Loss
A4	1-1-3	Loss
A4,B4	1-3	Loss
B4	1-4	Loss
D5	L4	Loss

1-L4x
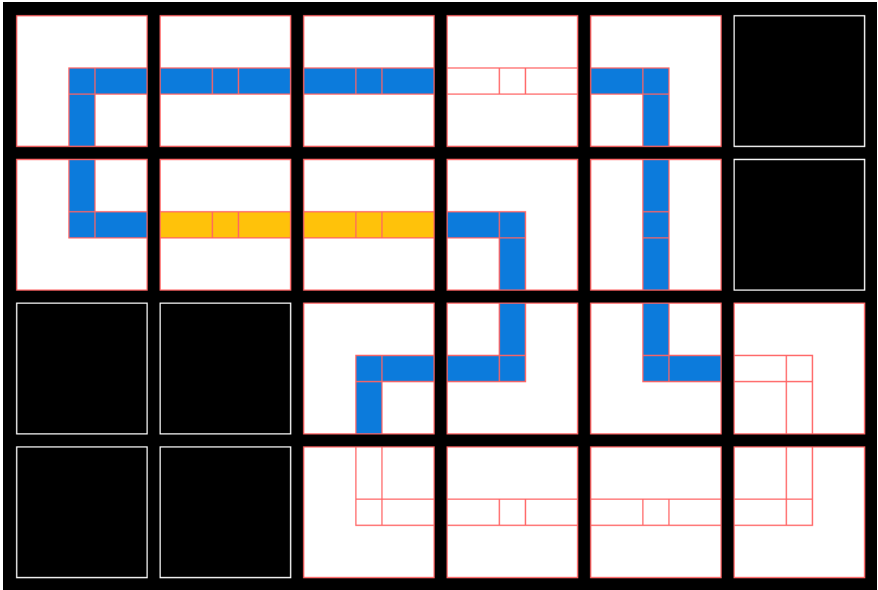
Figure 346: 1-L4x

Move	New State	Result
A4	L4x	Loss
C6	1-4	Loss
C6,D6	1-3	Loss
D3	1-L3x	Loss
D3,D4	1-Lx	Loss
D3,D4,D5	1-2	Loss
D4	1-1-Lx	Win
D4,D5	1-1-2	Loss
D4,D5,D6	1-1-1	Loss
D5	1-2-2	Loss
D5,D6	1-1-2	Loss

1-S+1
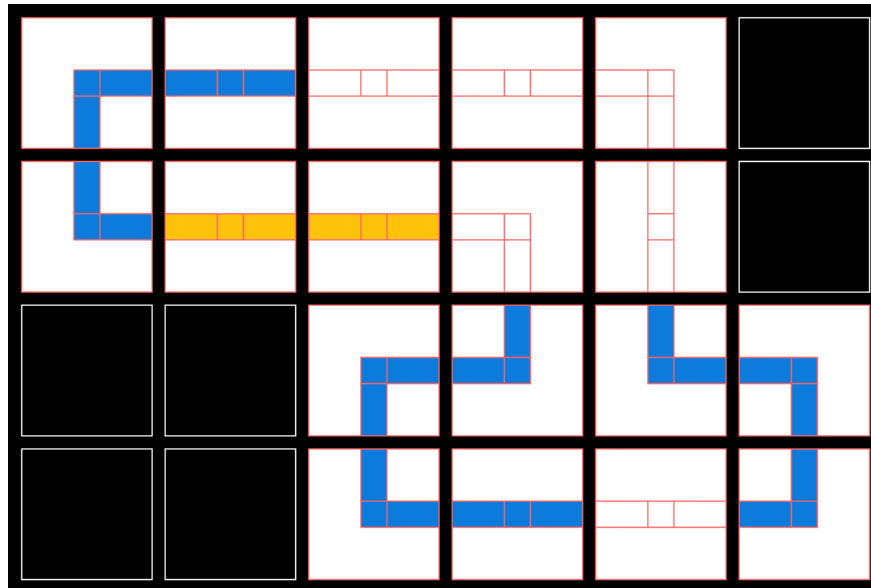
Figure 347: 1-S+1

Move	New State	Result
A3	1-S	Win
A3,A4	1-L	Loss
A3,A4,A5	1-2	Loss
A4,B4	1-1-2	Loss
A5,B5	1-L	Loss
B4	1-L3x	Loss
B4,B5	1-3	Loss
B5	1-T	Loss
D5	S+1	Win

1-T4
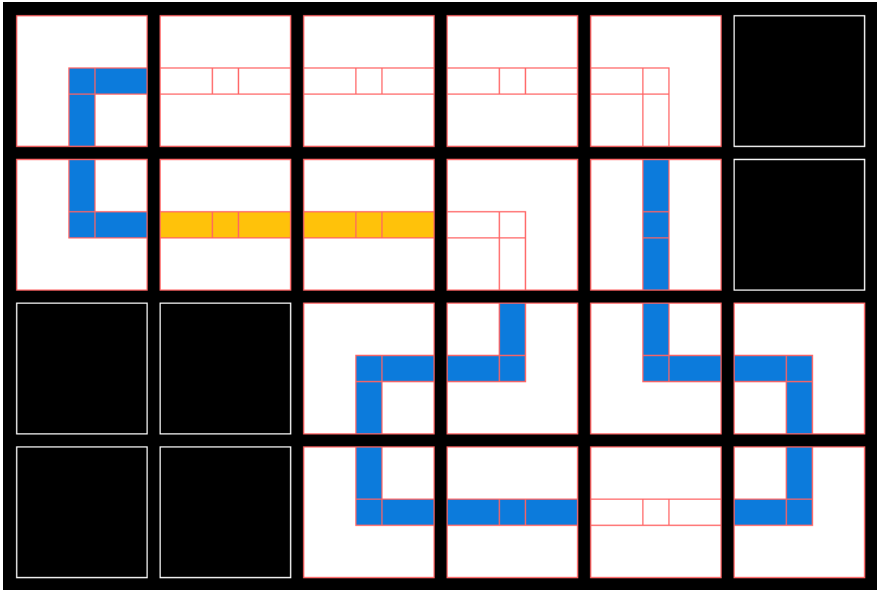
Figure 348: 1-T4

Move	New State	Result
A2	1-T	Loss
A2,A3	1-L	Loss
A2,A3,A4	1-1-1	Loss
A3	1-1-L	Loss
A3,A4	1-1-1-1	Win
A3,A4,A5	1-1-1	Loss
A4,A5	1-1-2	Loss
A4,B4	1-1-2	Loss
A5	1-L3	Loss
B4	1-4	Loss
D5	T4	Loss

2-2-2
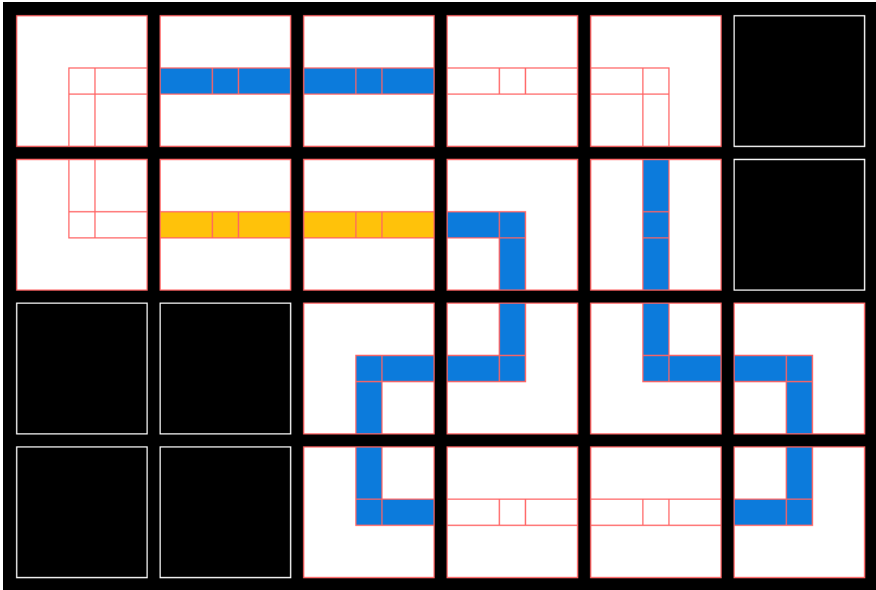
Figure 349: 2-2-2

Move	New State	Result
A1	1-2-2	Loss
A1,B1	2-2	Win
A4	1-2-2	Loss
A4,A5	2-2	Win
A5	1-2-2	Loss
B1	1-2-2	Loss
D4	1-2-2	Loss
D4,D5	2-2	Win
D5	1-2-2	Loss

2-4
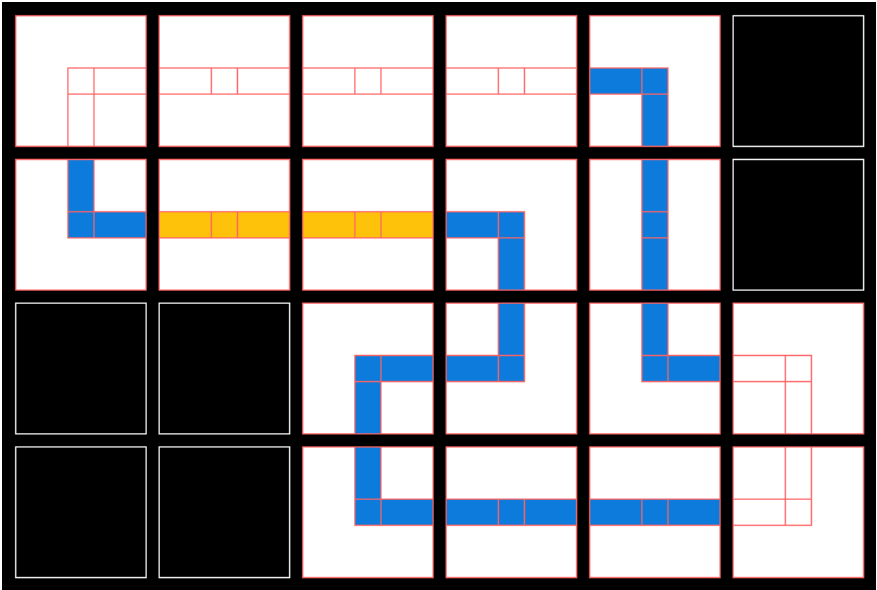
Figure 350: 2-4

Move	New State	Result
A1	2-3	Loss
A1,A2	2-2	Win
A1,A2,A3	1-2	Loss
A2	1-2-2	Loss
A2,A3	1-1-2	Loss
A2,A3,A4	1-2	Loss
A3	1-2-2	Loss
A3,A4	2-2	Win
A4	2-3	Loss
C6	1-4	Loss
C6,D6	4	Loss
D6	1-4	Loss

2-L3
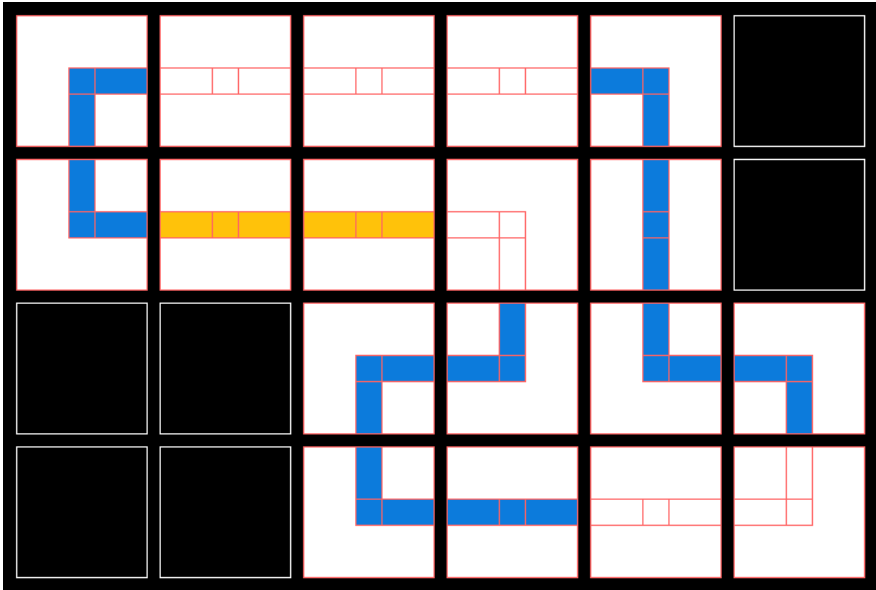
Figure 351: 2-L3

Move	New State	Result
A2	2-L	Loss
A2,A3	2-2	Win
A2,A3,A4	1-2	Loss
A3	1-2-2	Loss
A3,A4	1-1-2	Loss
A4	1-2-2	Loss
A4,B4	2-2	Win
B4	2-3	Loss
D5	1-L3	Loss
D5,D6	L3	Loss
D6	1-L3	Loss

2-L3x
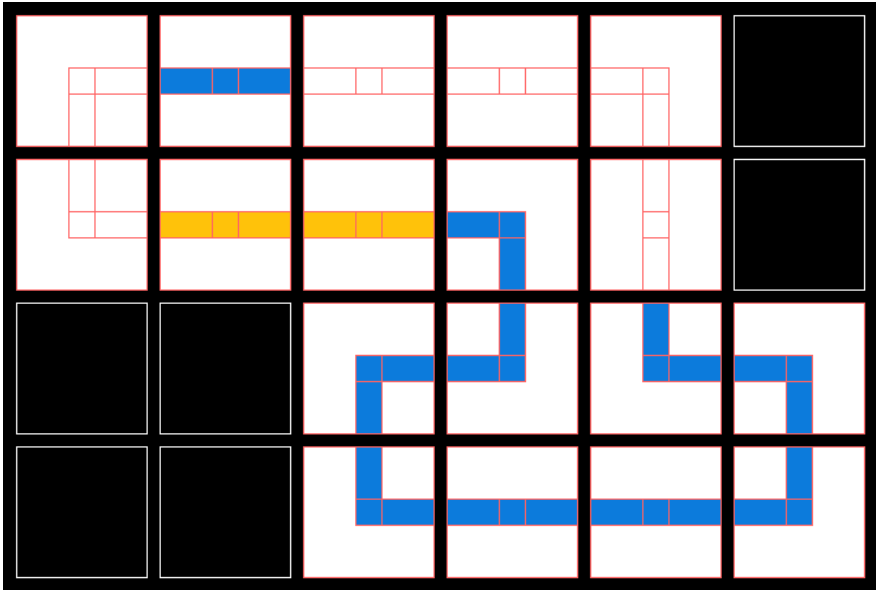
Figure 352: 2-L3x

Move	New State	Result
A1	1-L3x	Loss
A1,B1	L3x	Loss
A3	2-Lx	Loss
A3,A4	2-2	Win
A3,A4,A5	1-2	Loss
A4	1-2-2	Loss
A4,A5	1-1-2	Loss
A5,B5	2-2	Win
B1	1-L3x	Loss
B5	2-3	Loss

2-S
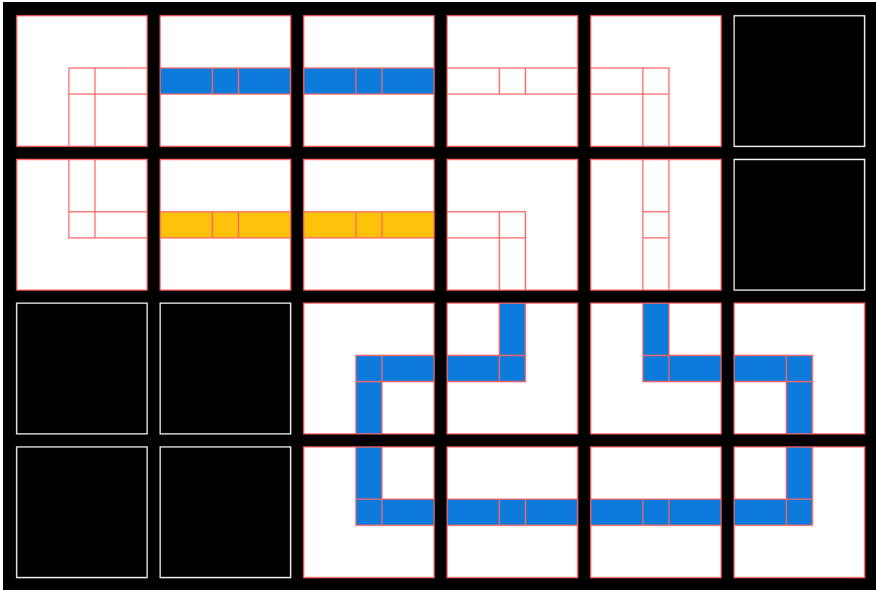
Figure 353: 2-S

Move	New State	Result
A1	1-S	Win
A1,B1	S	Loss
A4	2-L	Loss
A4,A5	2-2	Win
A4,B4	2-2	Win
A5,B5	2-2	Win
B1	1-S	Win
B4	2-Lx	Loss
B4,B5	2-2	Win
B5	2-L	Loss

2-T
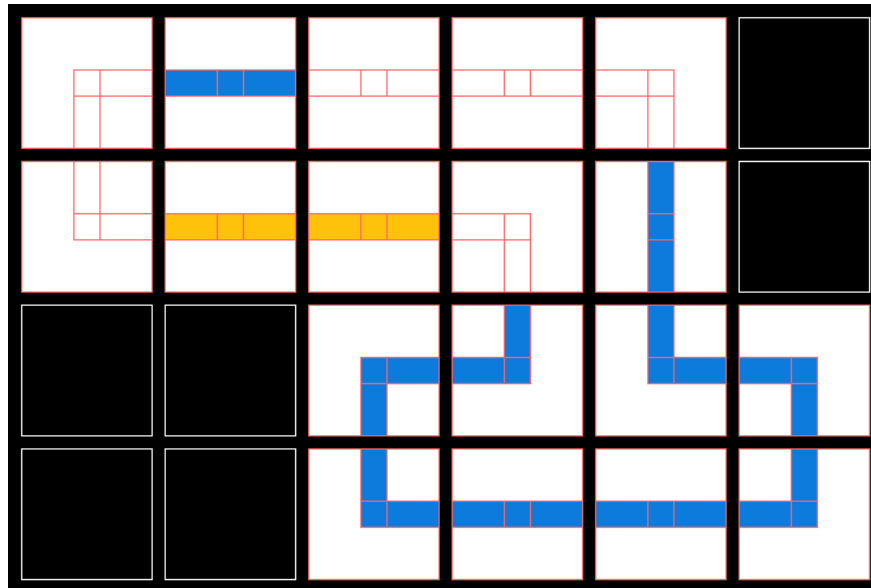
Figure 354: 2-T

Move	New State	Result
A1	1-T	Loss
A1,B1	T	Loss
A3	2-L	Loss
A3,A4	1-1-2	Loss
A3,A4,A5	1-2	Loss
A4,A5	1-1-2	Loss
A4,B4	1-1-2	Loss
A5	2-L	Loss
B1	1-T	Loss
B4	2-3	Loss

3-3
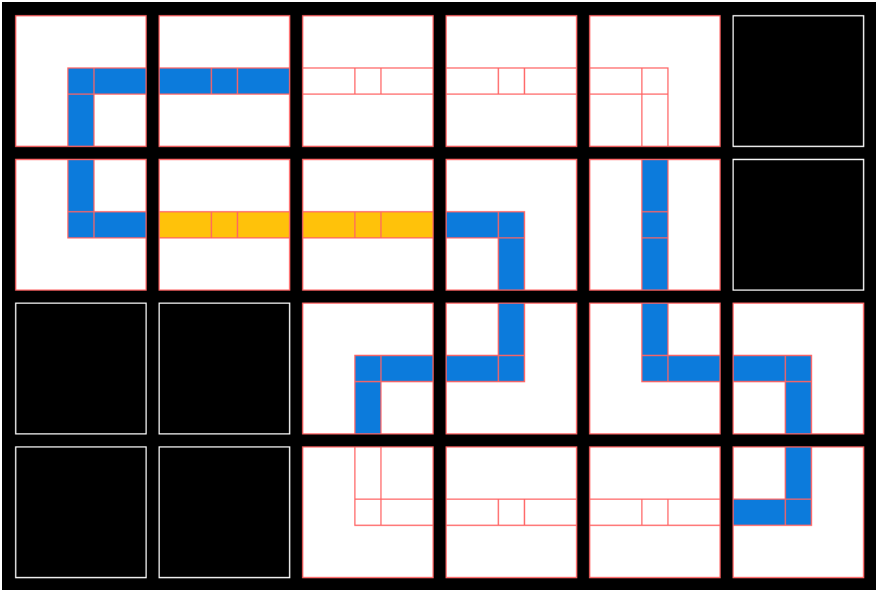
Figure 355: 3-3

Move	New State	Result
A3	2-3	Loss
A3,A4	1-3	Loss
A3,A4,A5	3	Loss
A4	1-1-3	Loss
A4,A5	1-3	Loss
A5	2-3	Loss
D3	2-3	Loss
D3,D4	1-3	Loss
D3,D4,D5	3	Loss
D4	1-1-3	Loss
D4,D5	1-3	Loss
D5	2-3	Loss

3-L
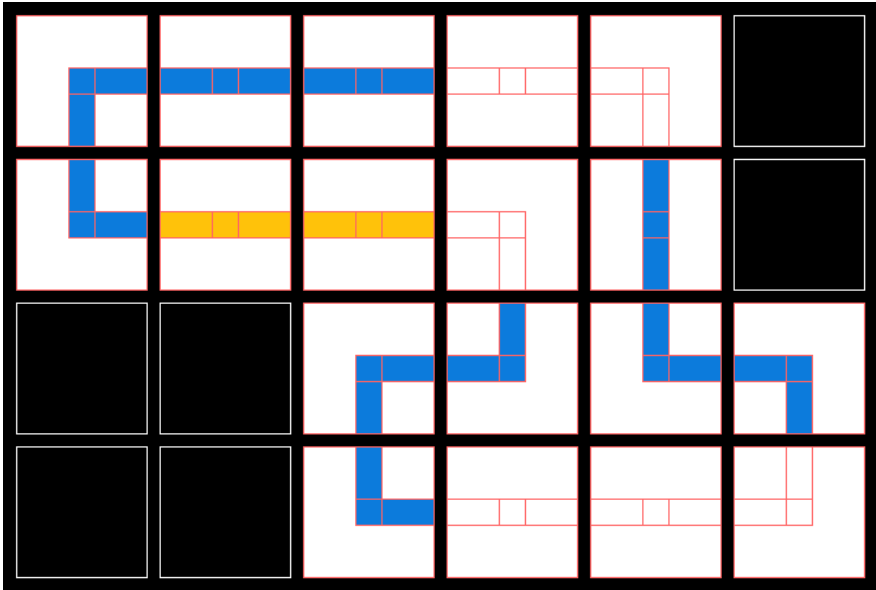
Figure 356: 3-L

Move	New State	Result
A4	1-1-3	Loss
A4,A5	1-3	Loss
A4,B4	1-3	Loss
A5	2-3	Loss
B4	2-3	Loss
D4	2-L	Loss
D4,D5	1-L	Loss
D4,D5,D6	L	Loss
D5	1-1-L	Loss
D5,D6	1-L	Loss
D6	2-L	Loss

3-Lx
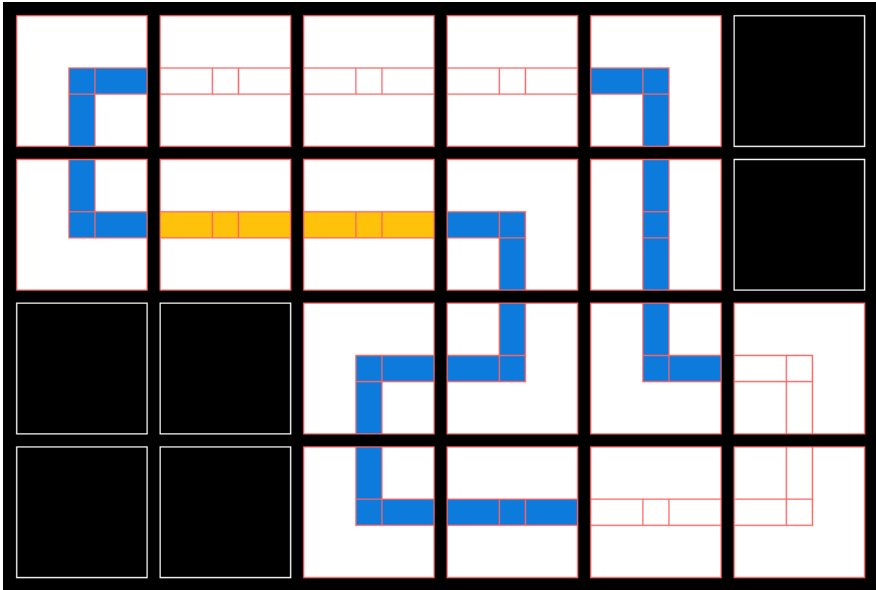
Figure 357: 3-Lx

Move	New State	Result
A2	2-Lx	Loss
A2,A3	1-Lx	Loss
A2,A3,A4	Lx	Win
A3	1-1-Lx	Win
A3,A4	1-Lx	Loss
A4	2-Lx	Loss
C6	2-3	Loss
C6,D6	1-3	Loss
D5	2-3	Loss
D5,D6	1-3	Loss

C4
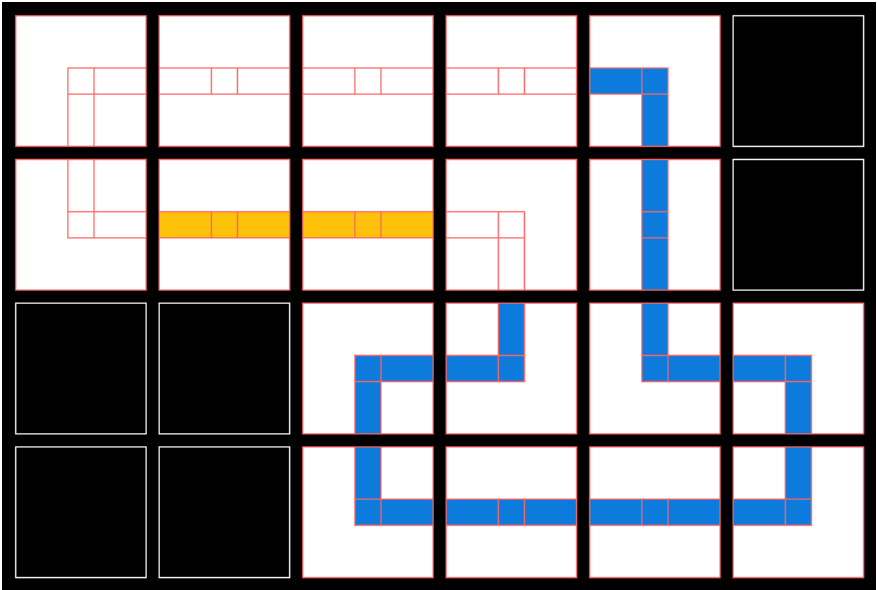
Figure 358: C4

Move	New State	Result
A1,A2	1-L	Loss
A1,A2,A3	1-2	Loss
A1,B1	L3	Loss
A2	2-L	Loss
A2,A3	2-2	Win
A2,A3,A4	1-2	Loss
A3	2-Lx	Loss
A3,A4	1-Lx	Loss
A4	1-L3x	Loss
A4,B4	L3x	Loss
B1	L4	Loss
B4	L4x	Loss

L-Lx
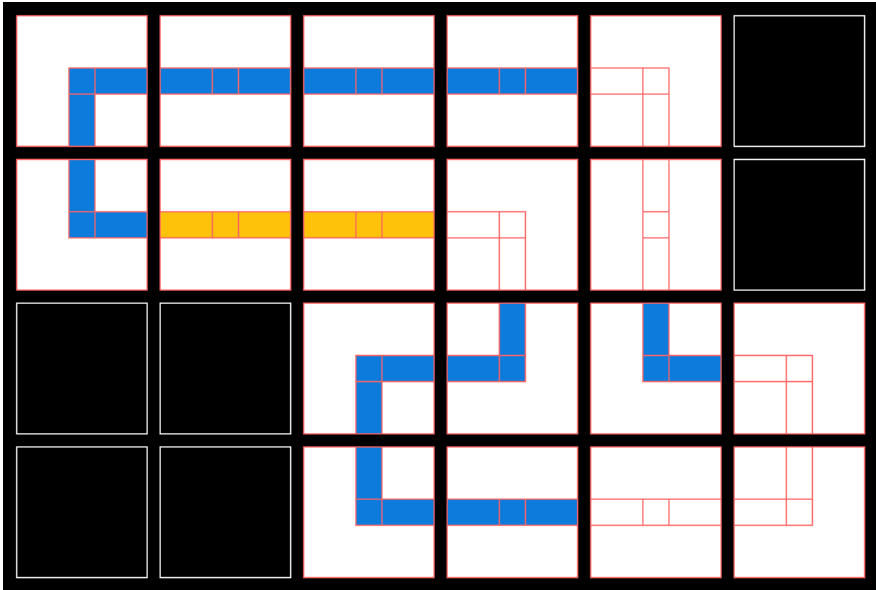
Figure 359: L-Lx

Move	New State	Result
A5	2-Lx	Loss
A5,B5	1-Lx	Loss
B4	2-Lx	Loss
B4,B5	1-Lx	Loss
B5	1-1-Lx	Win
C6	2-L	Loss
C6,D6	1-L	Loss
D5	2-L	Loss
D5,D6	1-L	Loss

L5x
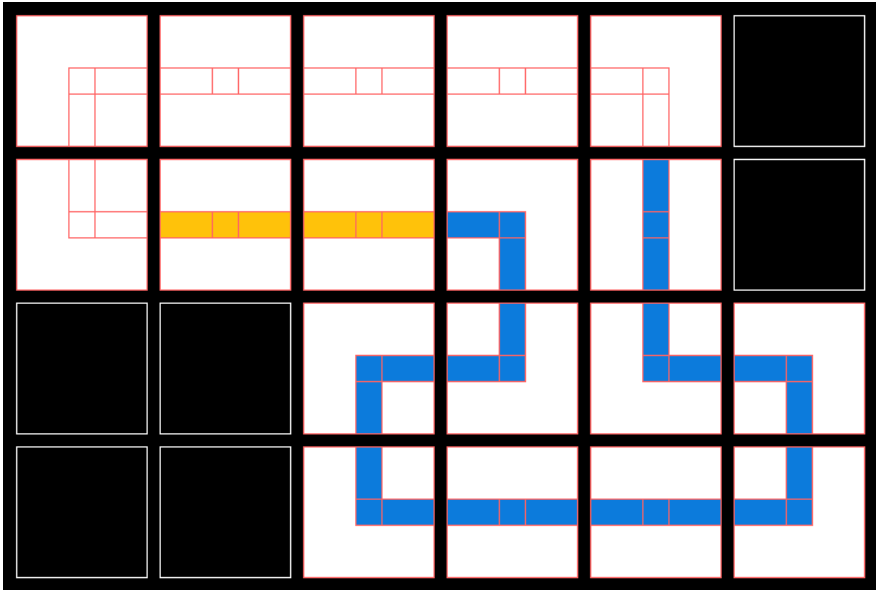
Figure 360: L5x

Move	New State	Result
A1,A2	1-3	Loss
A1,A2,A3	1-2	Loss
A1,B1	4	Loss
A2	2-3	Loss
A2,A3	2-2	Win
A2,A3,A4	1-2	Loss
A3	2-Lx	Loss
A3,A4	1-Lx	Loss
A3,A4,A5	Lx	Win
A4	1-L3x	Loss
A4,A5	L3x	Loss
A5	L4x	Loss
B1	5	Loss

Lx-Lx
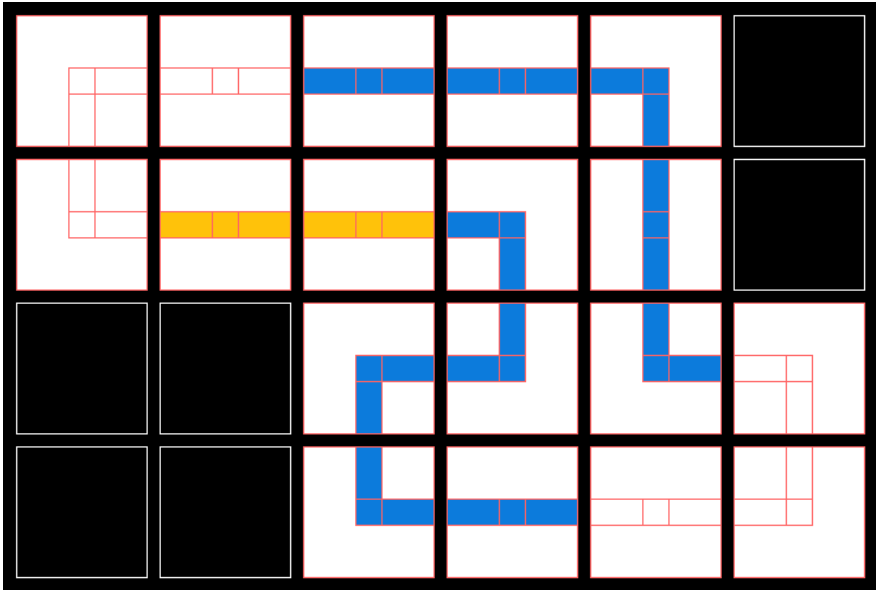
Figure 361: Lx-Lx

Move	New State	Result
A1,A2	1-Lx	Loss
A1,B1	1-Lx	Loss
A2	2-Lx	Loss
B1	2-Lx	Loss
C6	2-Lx	Loss
C6,D6	1-Lx	Loss
D5	2-Lx	Loss
D5,D6	1-Lx	Loss

S+2
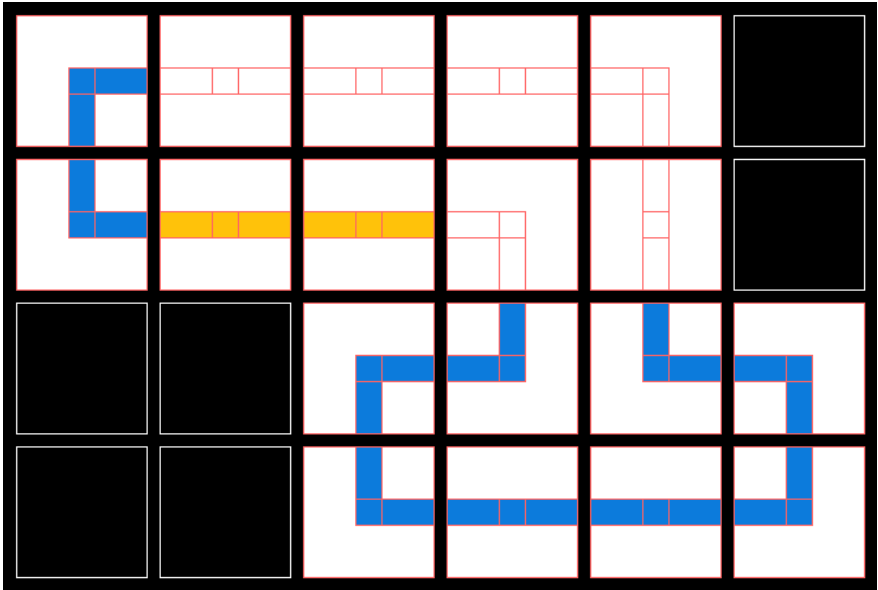
Figure 362: S+2

Move	New State	Result
A2	S+1	Win
A2,A3	S	Loss
A2,A3,A4	L	Loss
A3	1-S	Win
A3,A4	1-L	Loss
A3,A4,A5	1-2	Loss
A4,B4	2-2	Win
A5,B5	L3	Loss
B4	L4x	Loss
B4,B5	4	Loss
B5	T4	Loss

T5
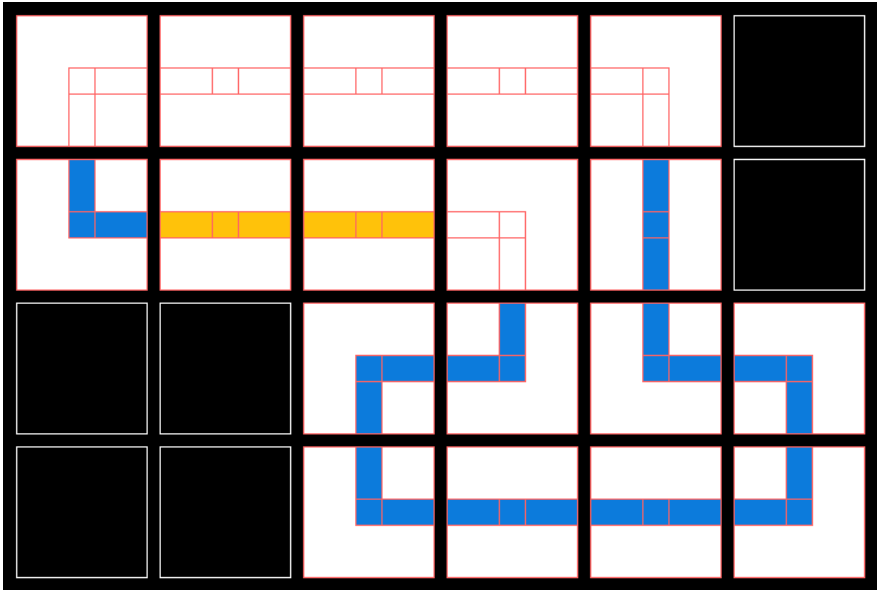
Figure 363: T5

Move	New State	Result
A1	T4	Loss
A1,A2	T	Loss
A1,A2,A3	L	Loss
A2	1-T	Loss
A2,A3	1-L	Loss
A2,A3,A4	1-1-1	Loss
A3	2-L	Loss
A3,A4	1-1-2	Loss
A3,A4,A5	1-2	Loss
A4,A5	1-3	Loss
A4,B4	1-3	Loss
A5	L4	Loss
B4	5	Loss

1-1-1-1-1
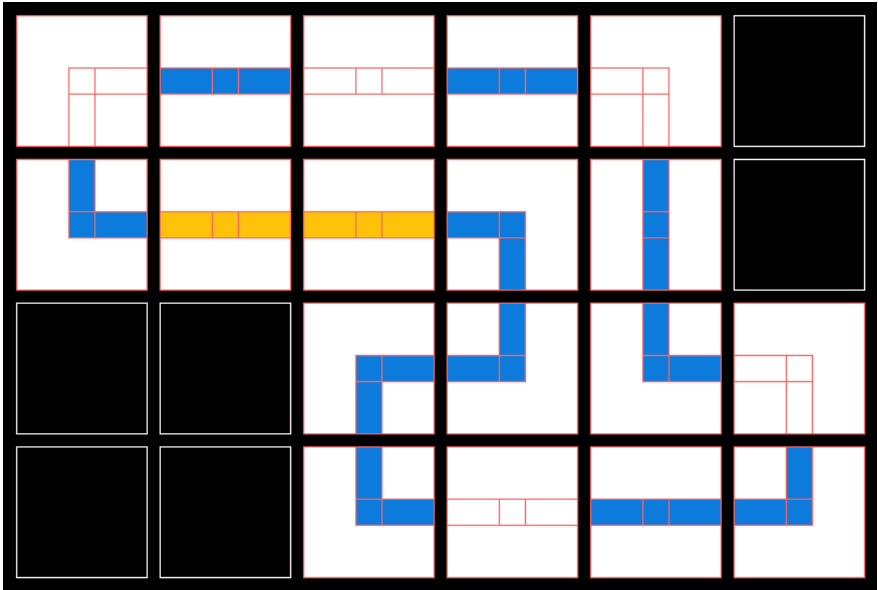
Figure 364: 1-1-1-1-1

Move	New State	Result
A1	1-1-1-1	Win
A3	1-1-1-1	Win
A5	1-1-1-1	Win
C6	1-1-1-1	Win
D4	1-1-1-1	Win

1-1-1-2
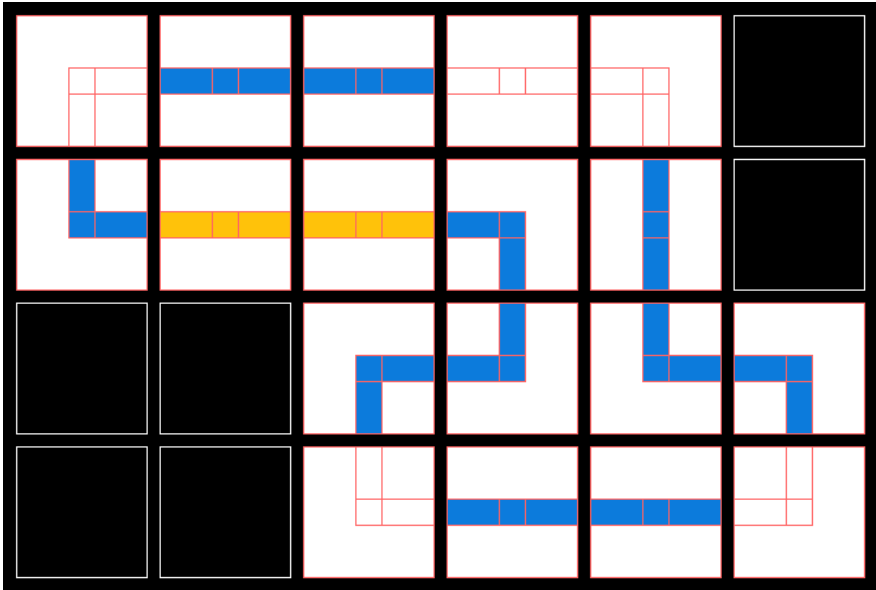
Figure 365: 1-1-1-2

Move	New State	Result
A1	1-1-2	Loss
A4	1-1-1-1	Win
A4,A5	1-1-1	Loss
A5	1-1-1-1	Win
D3	1-1-2	Loss
D6	1-1-2	Loss

1-1-3
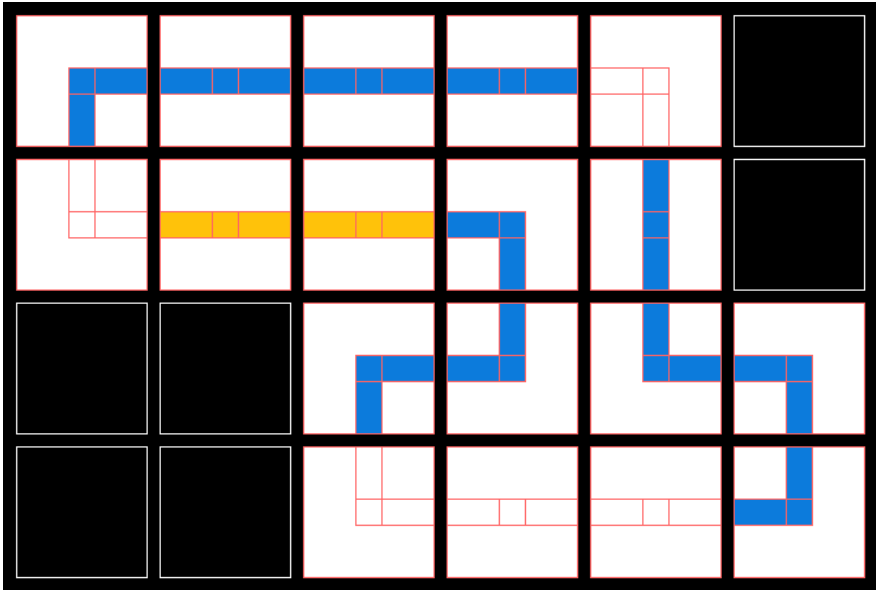
Figure 366: 1-1-3

Move	New State	Result
A5	1-3	Loss
B1	1-3	Loss
D3	1-1-2	Loss
D3,D4	1-1-1	Loss
D3,D4,D5	1-1	Win
D4	1-1-1-1	Win
D4,D5	1-1-1	Loss
D5	1-1-2	Loss

1-1-L
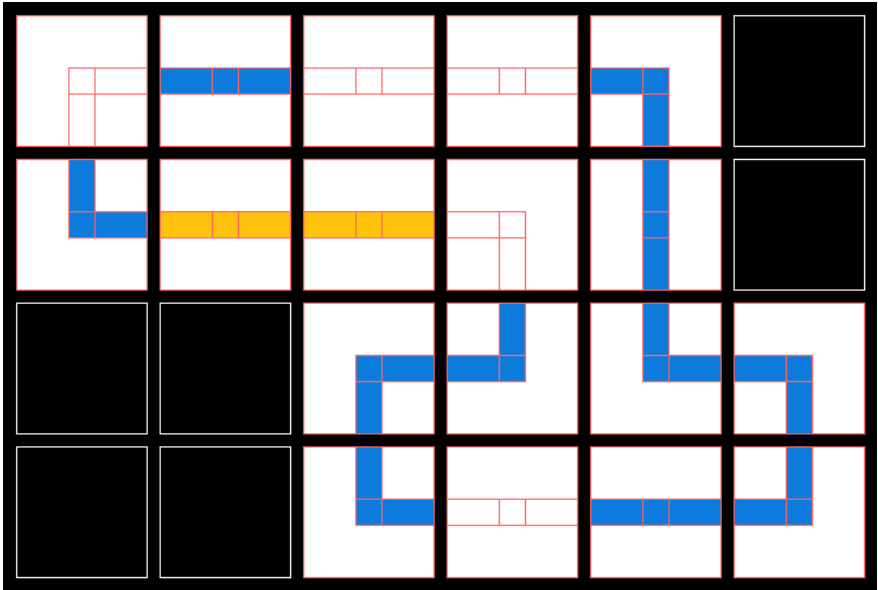
Figure 367: 1-1-L

Move	New State	Result
A1	1-L	Loss
A3	1-1-2	Loss
A3,A4	1-1-1	Loss
A4	1-1-1-1	Win
A4,B4	1-1-1	Loss
B4	1-1-2	Loss
D4	1-L	Loss

1-1-Lx
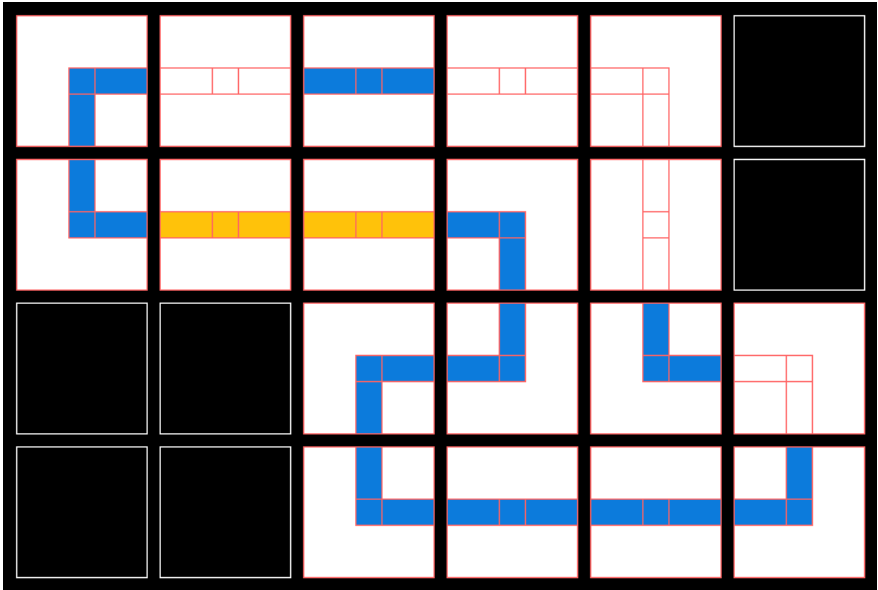
Figure 368: 1-1-Lx

Move	New State	Result
A2	1-Lx	Loss
A4	1-1-2	Loss
A4,A5	1-1-1	Loss
A5,B5	1-1-1	Loss
B5	1-1-2	Loss
C6	1-Lx	Loss

1-2-2
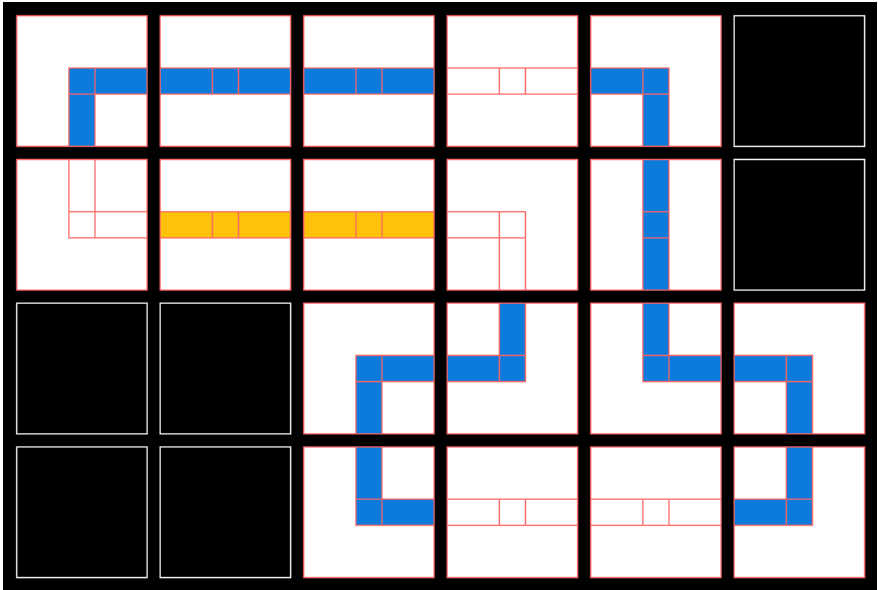
Figure 369: 1-2-2

Move	New State	Result
A4	1-1-2	Loss
A4,B4	1-2	Loss
B1	2-2	Win
B4	1-1-2	Loss
D4	1-1-2	Loss
D4,D5	1-2	Loss
D5	1-1-2	Loss
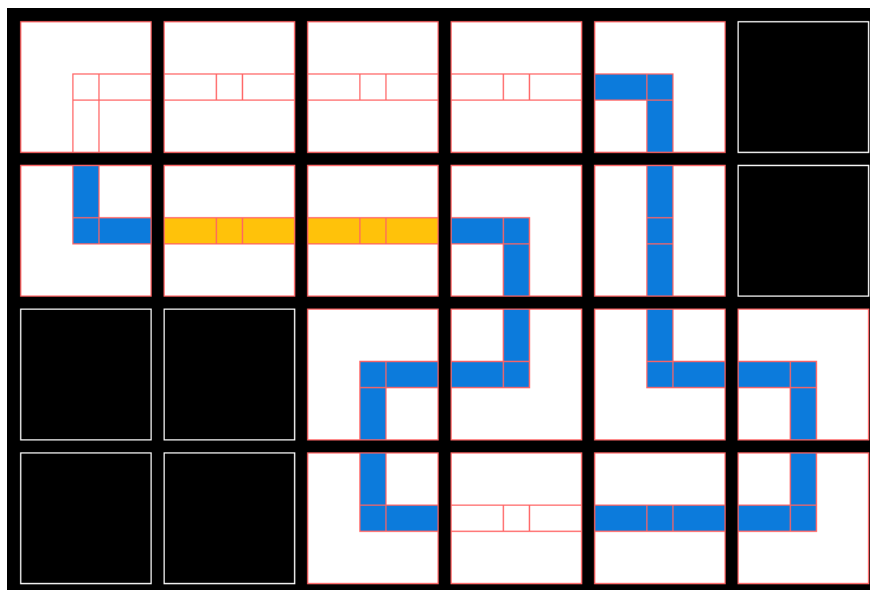
Figure 370: 1-4

Move	New State	Result
A1	1-3	Loss
A1,A2	1-2	Loss
A1,A2,A3	1-1	Win
A2	1-1-2	Loss
A2,A3	1-1-1	Loss
A2,A3,A4	1-1	Win
A3	1-1-2	Loss
A3,A4	1-2	Loss
A4	1-3	Loss
D4	4	Loss

1-L3
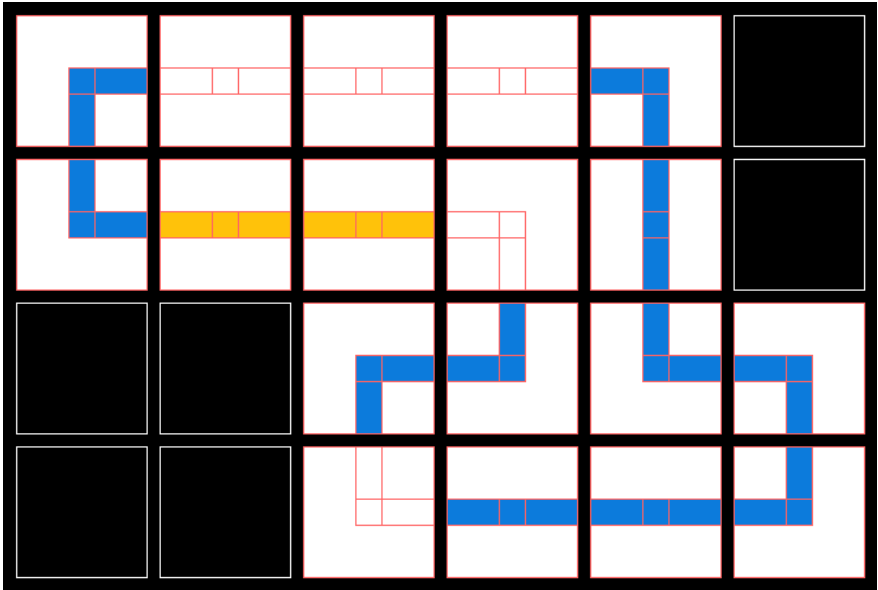
Figure 371: 1-L3

Move	New State	Result
A2	1-L	Loss
A2,A3	1-2	Loss
A2,A3,A4	1-1	Win
A3	1-1-2	Loss
A3,A4	1-1-1	Loss
A4	1-1-2	Loss
A4,B4	1-2	Loss
B4	1-3	Loss
D3	L3	Loss

1-L3x
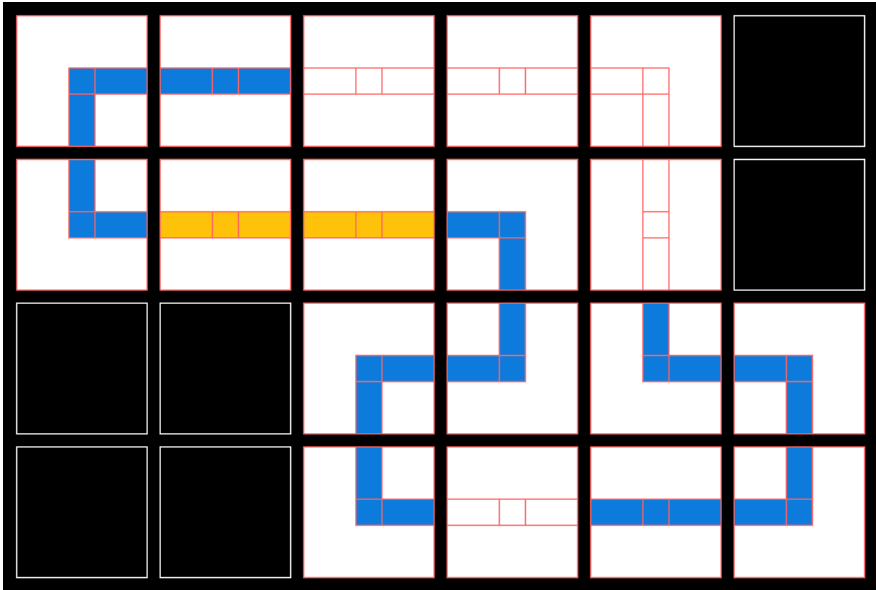
Figure 372: 1-L3x

Move	New State	Result
A3	1-Lx	Loss
A3,A4	1-2	Loss
A3,A4,A5	1-1	Win
A4	1-1-2	Loss
A4,A5	1-1-1	Loss
A5,B5	1-2	Loss
B5	1-3	Loss
D4	L3x	Loss

1-S
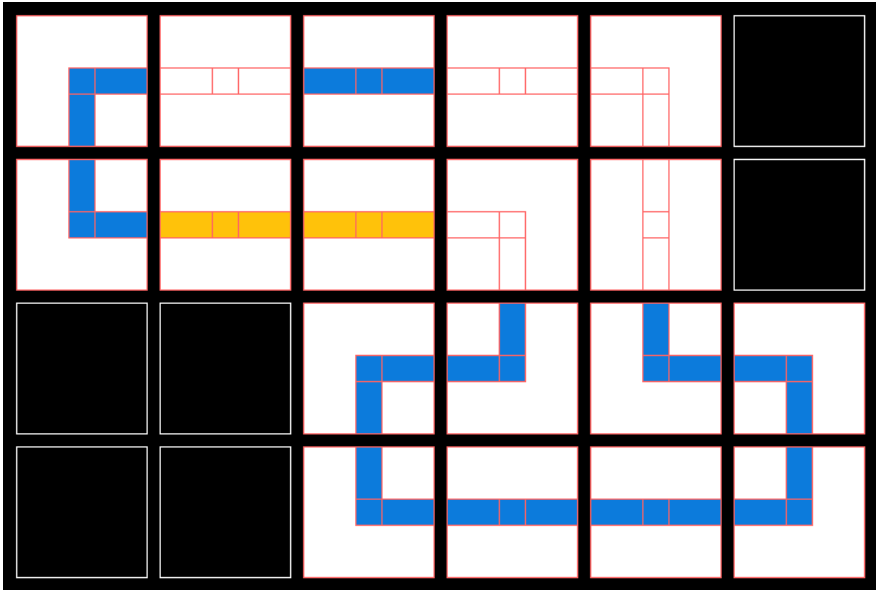
Figure 373: 1-S

Move	New State	Result
A2	S	Loss
A4	1-L	Loss
A4,A5	1-2	Loss
A4,B4	1-2	Loss
A5,B5	1-2	Loss
B4	1-Lx	Loss
B4,B5	1-2	Loss
B5	1-L	Loss

1-T
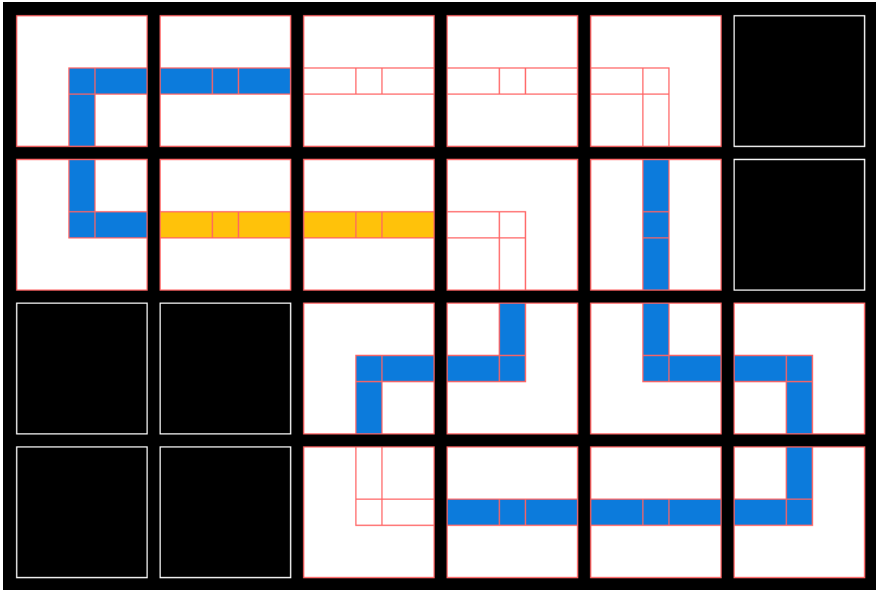
Figure 374: 1-T

Move	New State	Result
A3	1-L	Loss
A3,A4	1-1-1	Loss
A3,A4,A5	1-1	Win
A4,A5	1-1-1	Loss
A4,B4	1-1-1	Loss
A5	1-L	Loss
B4	1-3	Loss
D3	T	Loss
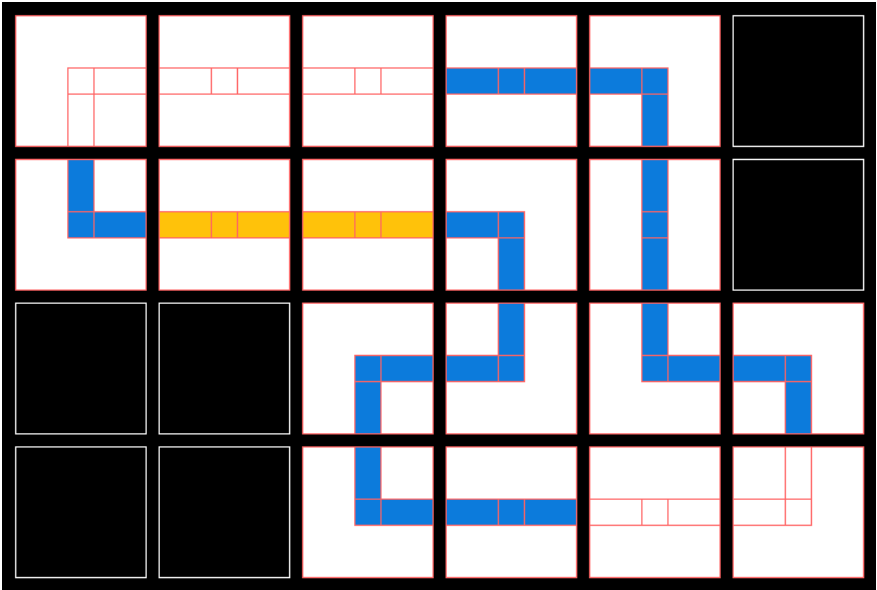
Figure 375: 2-3

Move	New State	Result
A1	2-2	Win
A1,A2	1-2	Loss
A1,A2,A3	2	Loss
A2	1-1-2	Loss
A2,A3	1-2	Loss
A3	2-2	Win
D5	1-3	Loss
D5,D6	3	Loss
D6	1-3	Loss

2-L
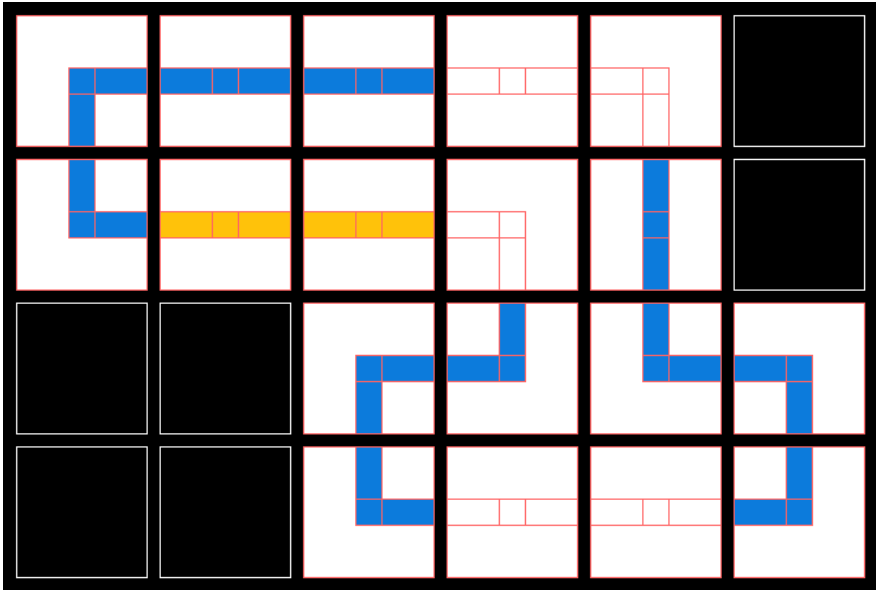
Figure 376: 2-L

Move	New State	Result
A4	1-1-2	Loss
A4,A5	1-2	Loss
A4,B4	1-2	Loss
A5	2-2	Win
B4	2-2	Win
D4	1-L	Loss
D4,D5	L	Loss
D5	1-L	Loss

2-Lx
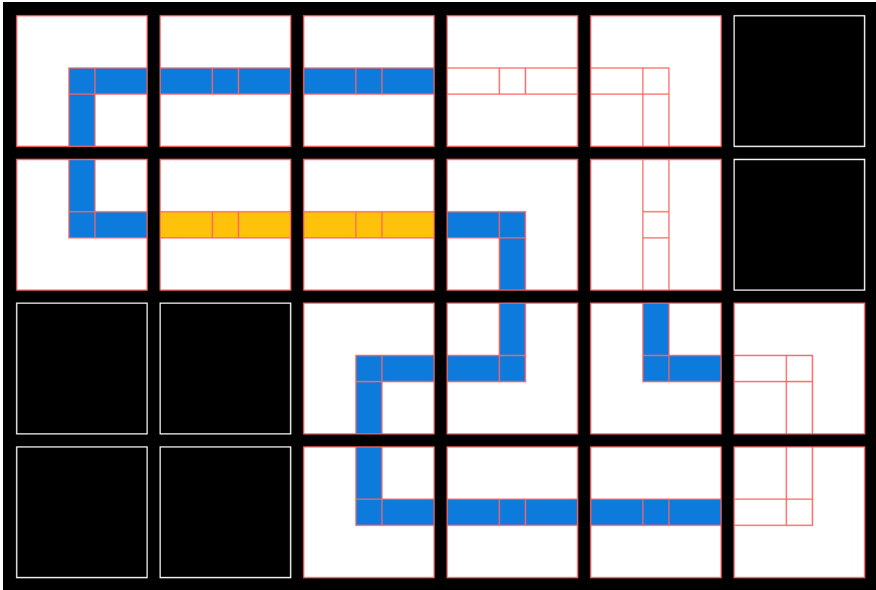
Figure 377: 2-Lx

Move	New State	Result
A4	2-2	Win
A4,A5	1-2	Loss
A5,B5	1-2	Loss
B5	2-2	Win
C6	1-Lx	Loss
C6,D6	Lx	Win
D6	1-Lx	Loss

5
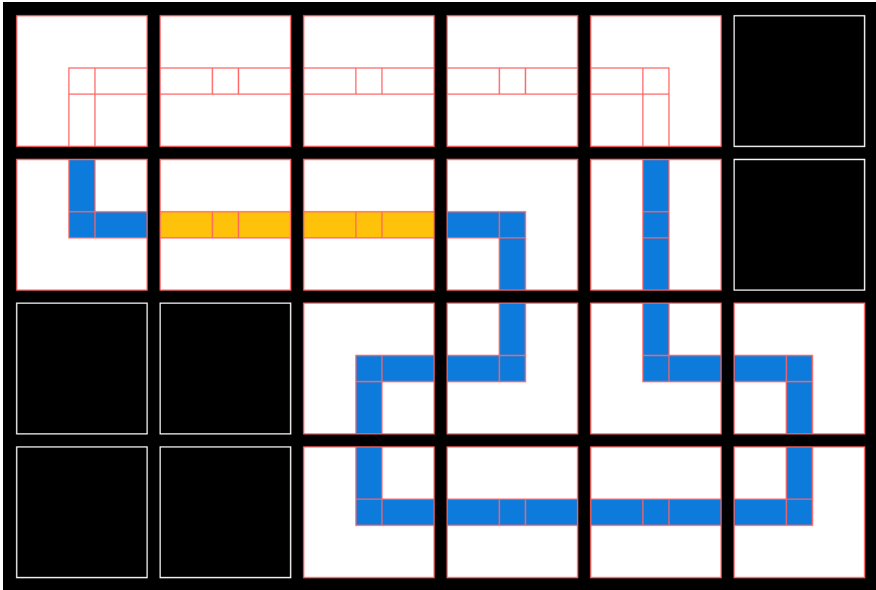
Figure 378: 5

Move	New State	Result
A1	4	Loss
A1,A2	3	Loss
A1,A2,A3	2	Loss
A2	1-3	Loss
A2,A3	1-2	Loss
A2,A3,A4	1-1	Win
A3	2-2	Win
A3,A4	1-2	Loss
A3,A4,A5	2	Loss
A4	1-3	Loss
A4,A5	3	Loss
A5	4	Loss

L4
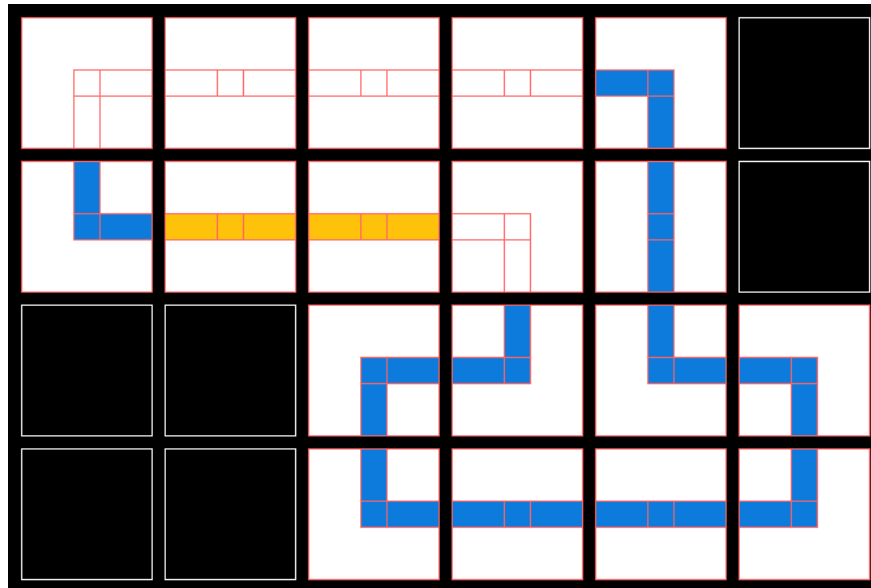
Figure 379: L4

Move	New State	Result
A1	L3	Loss
A1,A2	L	Loss
A1,A2,A3	2	Loss
A2	1-L	Loss
A2,A3	1-2	Loss
A2,A3,A4	1-1	Win
A3	2-2	Win
A3,A4	1-2	Loss
A4	1-3	Loss
A4,B4	3	Loss
B4	4	Loss

L4x
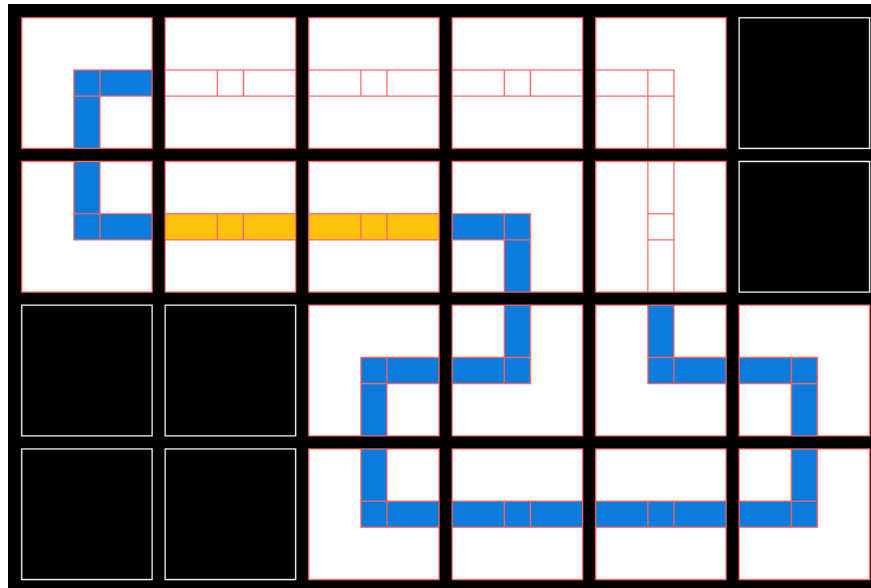
Figure 380: L4x

Move	New State	Result
A2	L3x	Loss
A2,A3	Lx	Win
A2,A3,A4	2	Loss
A3	1-Lx	Loss
A3,A4	1-2	Loss
A3,A4,A5	1-1	Win
A4	2-2	Win
A4,A5	1-2	Loss
A5,B5	3	Loss
B5	4	Loss

S+1
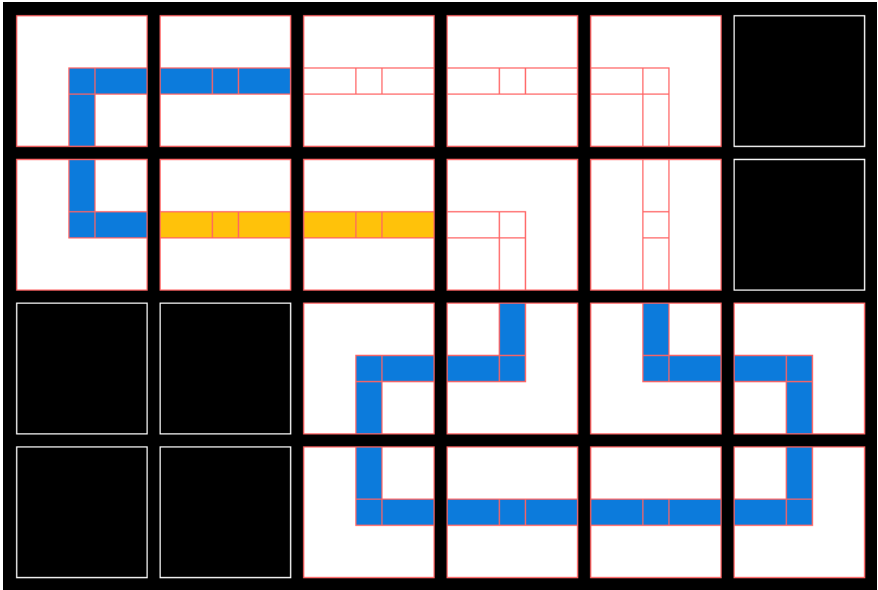
Figure 381: S+1

Move	New State	Result
A3	S	Loss
A3,A4	L	Loss
A3,A4,A5	2	Loss
A4,B4	1-2	Loss
A5,B5	L	Loss
B4	L3x	Loss
B4,B5	3	Loss
B5	T	Loss

T4
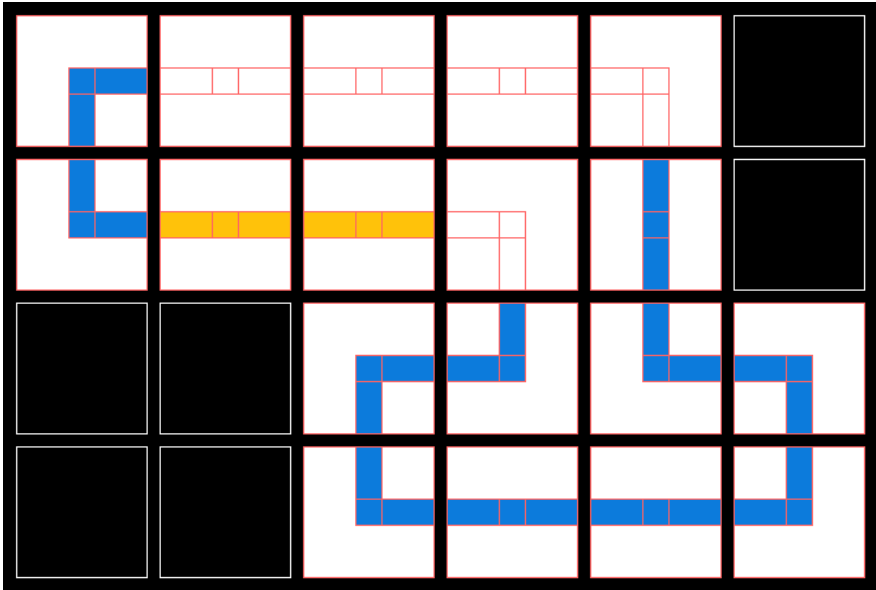
Figure 382: T4

Move	New State	Result
A2	T	Loss
A2,A3	L	Loss
A2,A3,A4	1-1	Win
A3	1-L	Loss
A3,A4	1-1-1	Loss
A3,A4,A5	1-1	Win
A4,A5	1-2	Loss
A4,B4	1-2	Loss
A5	L3	Loss
B4	4	Loss

1-1-1-1
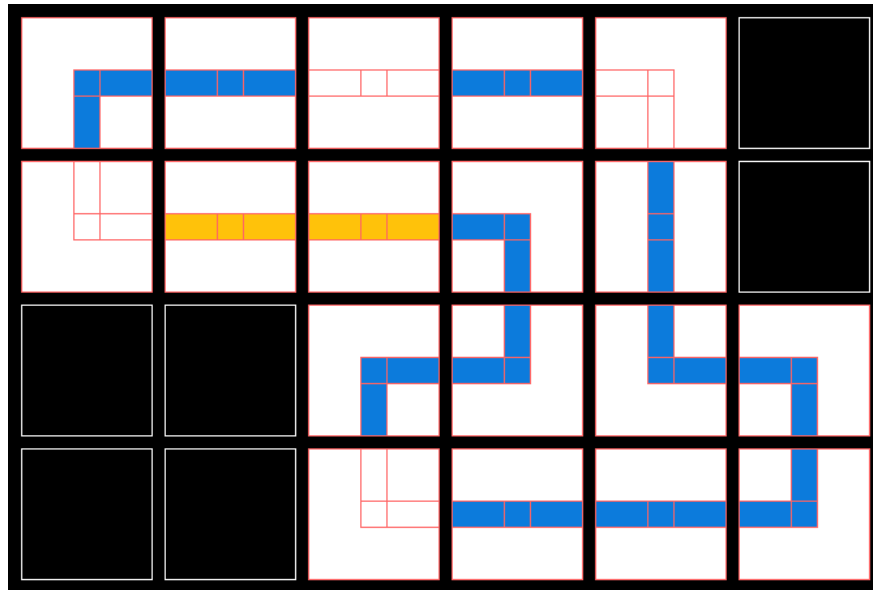
Figure 383: 1-1-1-1

Move	New State	Result
A3	1-1-1	Loss
A5	1-1-1	Loss
B1	1-1-1	Loss
D3	1-1-1	Loss

1-1-2
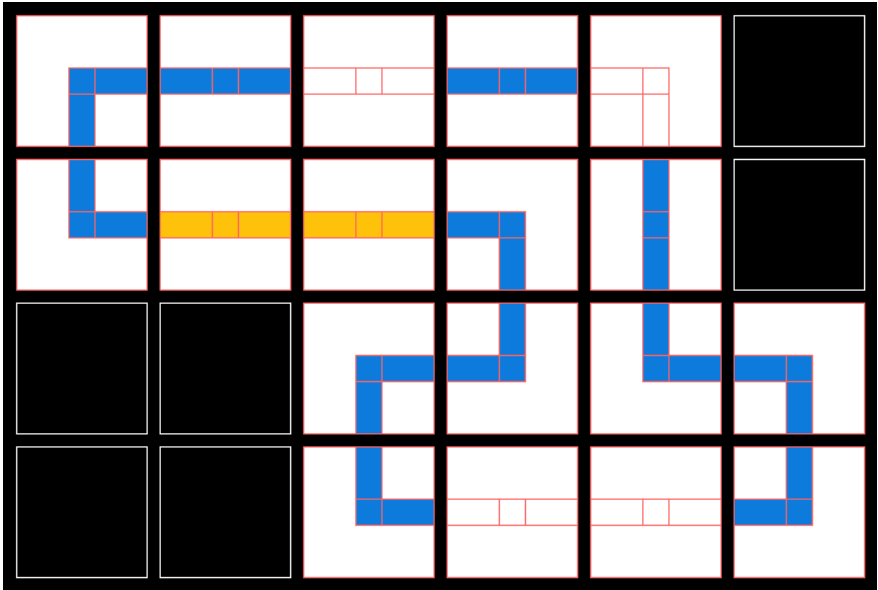
Figure 384: 1-1-2

Move	New State	Result
A3	1-2	Loss
A5	1-2	Loss
D4	1-1-1	Loss
D4,D5	1-1	Win
D5	1-1-1	Loss
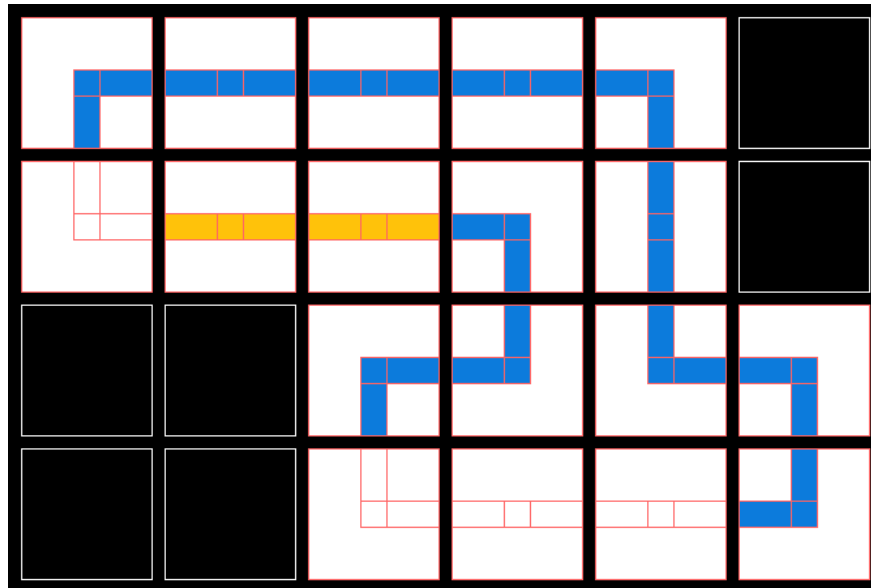
Figure 385: 1-3

Move	New State	Result
B1	3	Loss
D3	1-2	Loss
D3,D4	1-1	Win
D3,D4,D5	1	Loss
D4	1-1-1	Loss
D4,D5	1-1	Win
D5	1-2	Loss

1-L
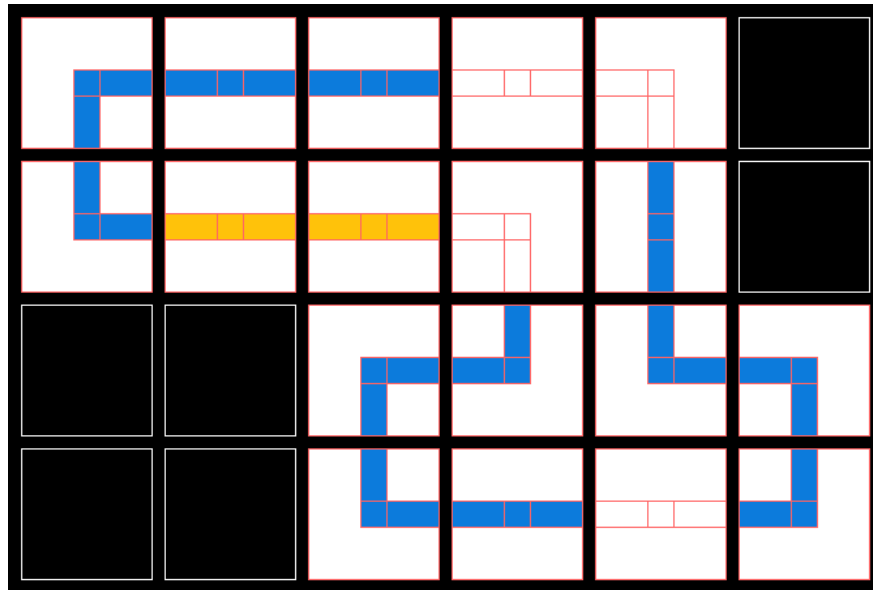
Figure 386: 1-L

Move	New State	Result
A4	1-1-1	Loss
A4,A5	1-1	Win
A4,B4	1-1	Win
A5	1-2	Loss
B4	1-2	Loss
D5	L	Loss

1-Lx
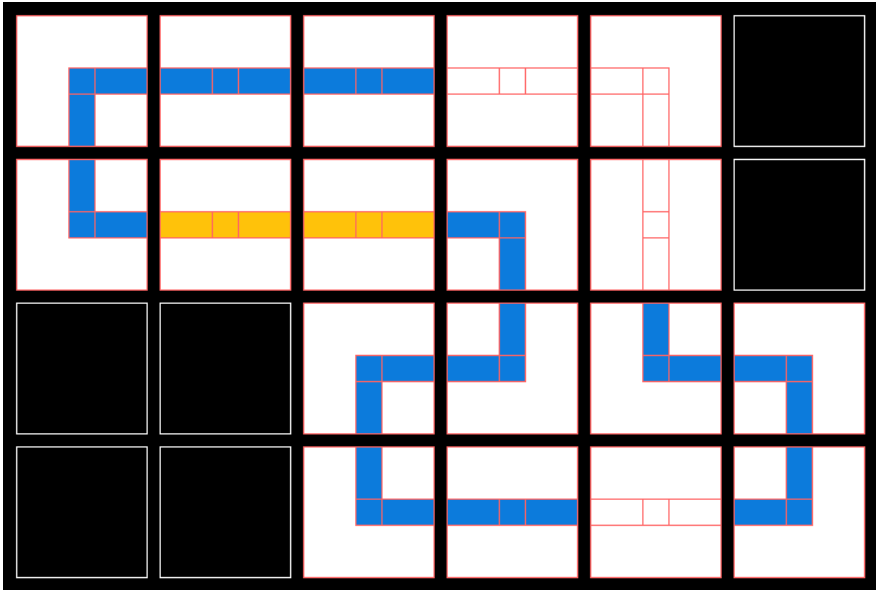
Figure 387: 1-Lx

Move	New State	Result
A4	1-2	Loss
A4,A5	1-1	Win
A5,B5	1-1	Win
B5	1-2	Loss
D5	Lx	Win
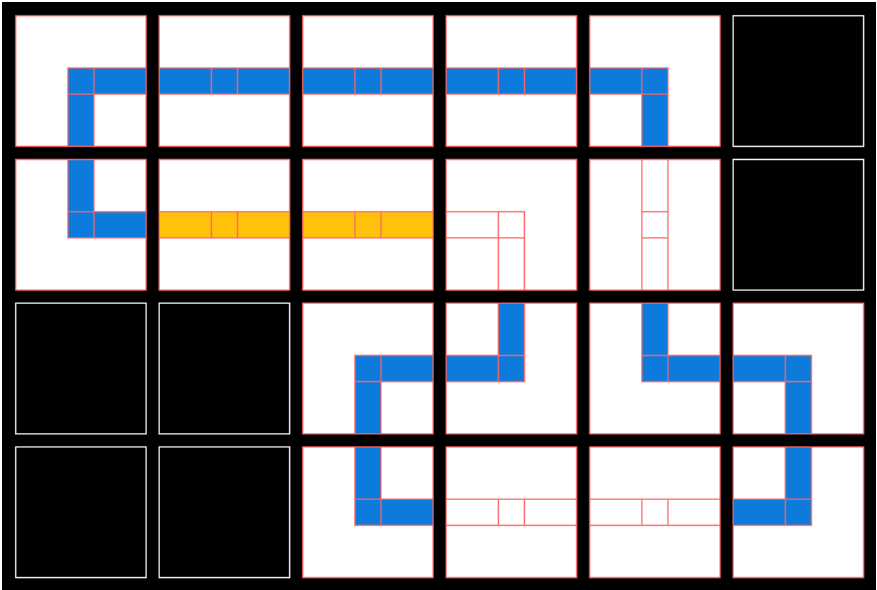
Figure 388: 2-2

Move	New State	Result
B4	1-2	Loss
B4,B5	2	Loss
B5	1-2	Loss
D4	1-2	Loss
D4,D5	2	Loss
D5	1-2	Loss

4
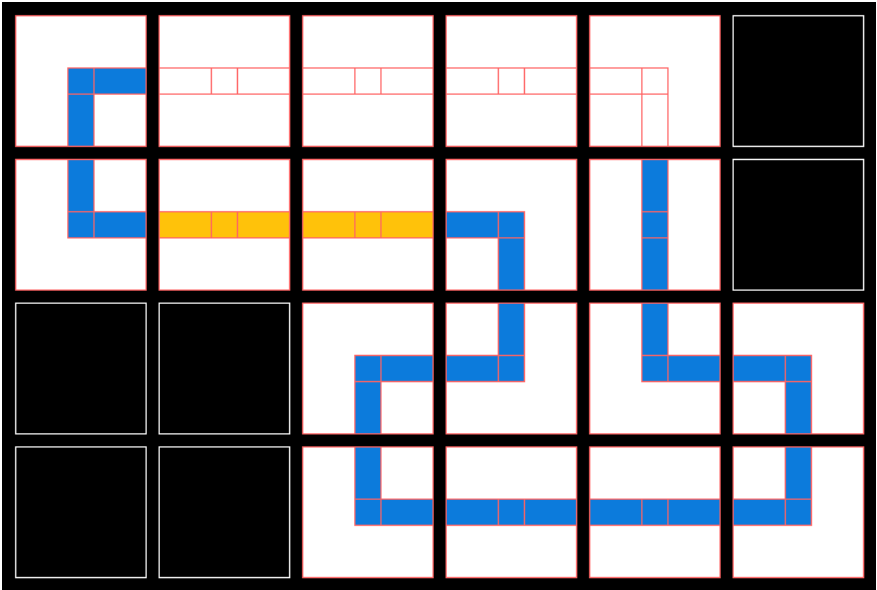
Figure 389: 4

Move	New State	Result
A2	3	Loss
A2,A3	2	Loss
A2,A3,A4	1	Loss
A3	1-2	Loss
A3,A4	1-1	Win
A3,A4,A5	1	Loss
A4	1-2	Loss
A4,A5	2	Loss
A5	3	Loss

L3
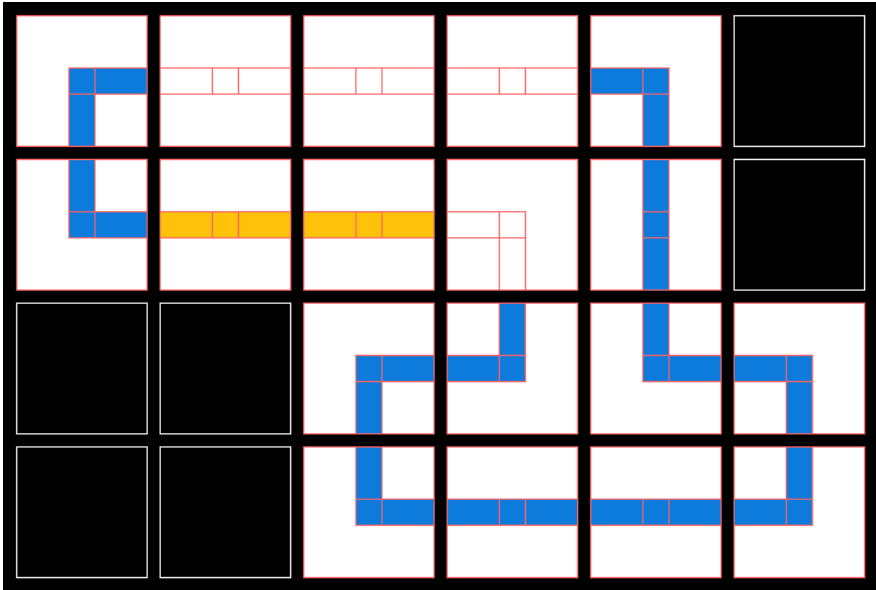
Figure 390: L3

Move	New State	Result
A2	L	Loss
A2,A3	2	Loss
A2,A3,A4	1	Loss
A3	1-2	Loss
A3,A4	1-1	Win
A4	1-2	Loss
A4,B4	2	Loss
B4	3	Loss

L3x
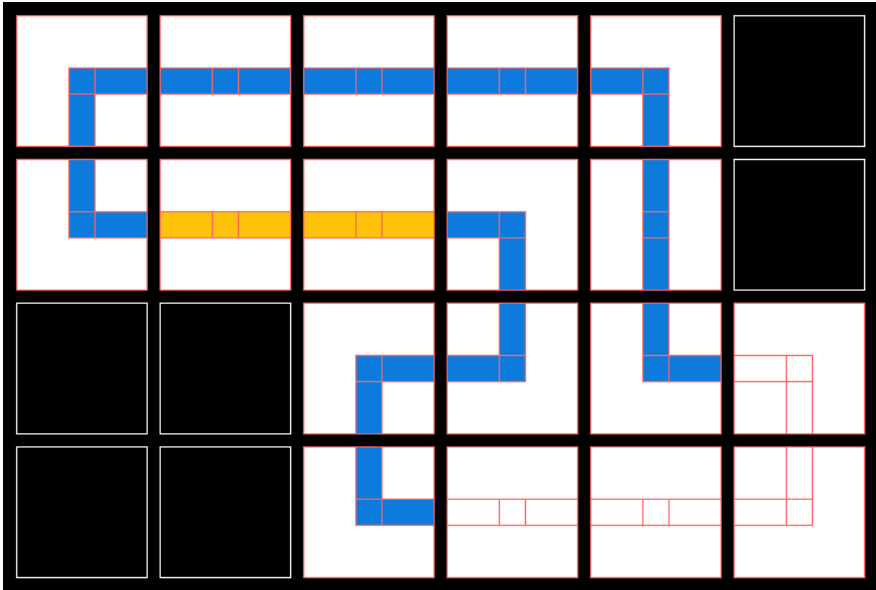
Figure 391: L3x

Move	New State	Result
C6	3	Loss
C6,D6	2	Loss
D4	Lx	Win
D4,D5	2	Loss
D4,D5,D6	1	Loss
D5	1-2	Loss
D5,D6	1-1	Win

389

S
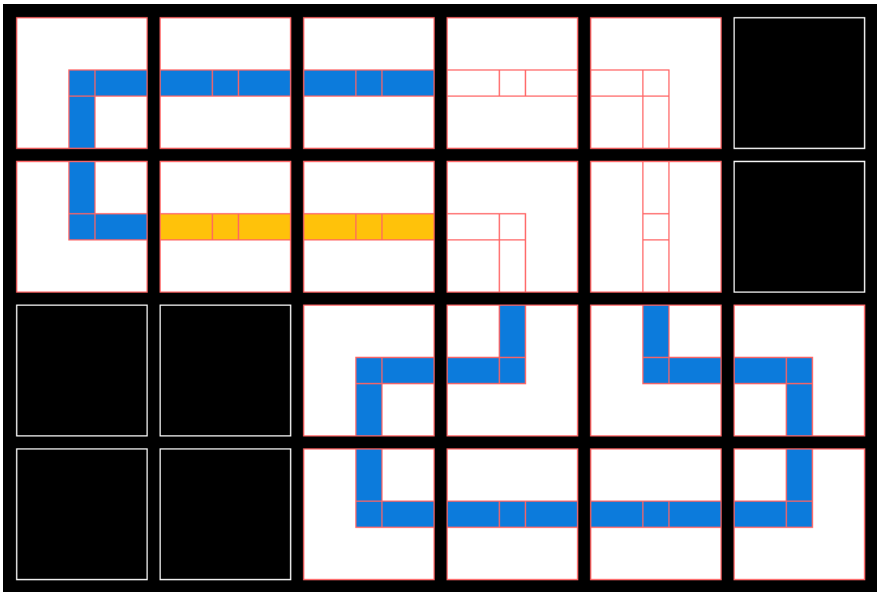
Figure 392: S

Move	New State	Result
A4	L	Loss
A4,A5	2	Loss
A4,B4	2	Loss
A5,B5	2	Loss
B4	Lx	Win
B4,B5	2	Loss
B5	L	Loss

T
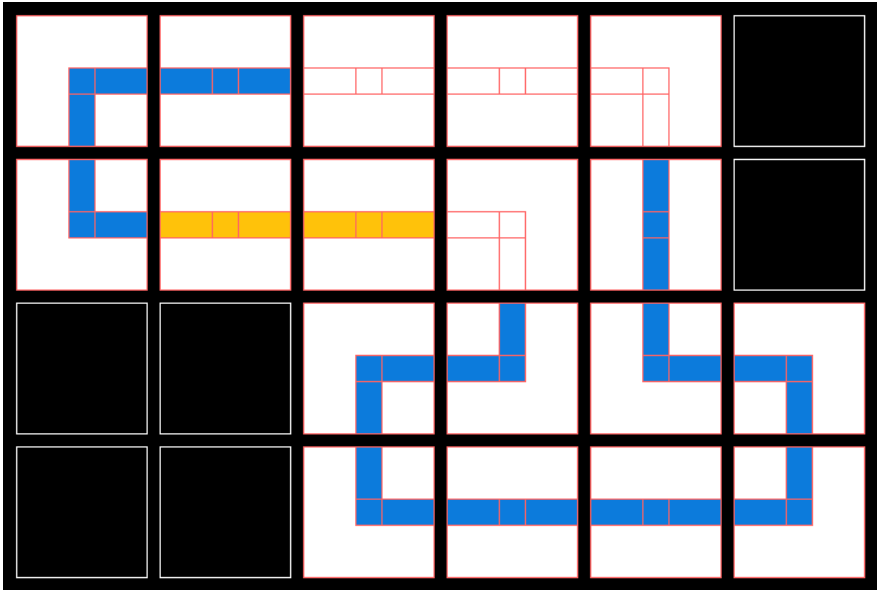
Figure 393: T

Move	New State	Result
A3	L	Loss
A3,A4	1-1	Win
A3,A4,A5	1	Loss
A4,A5	1-1	Win
A4,B4	1-1	Win
A5	L	Loss
B4	3	Loss

1-1-1
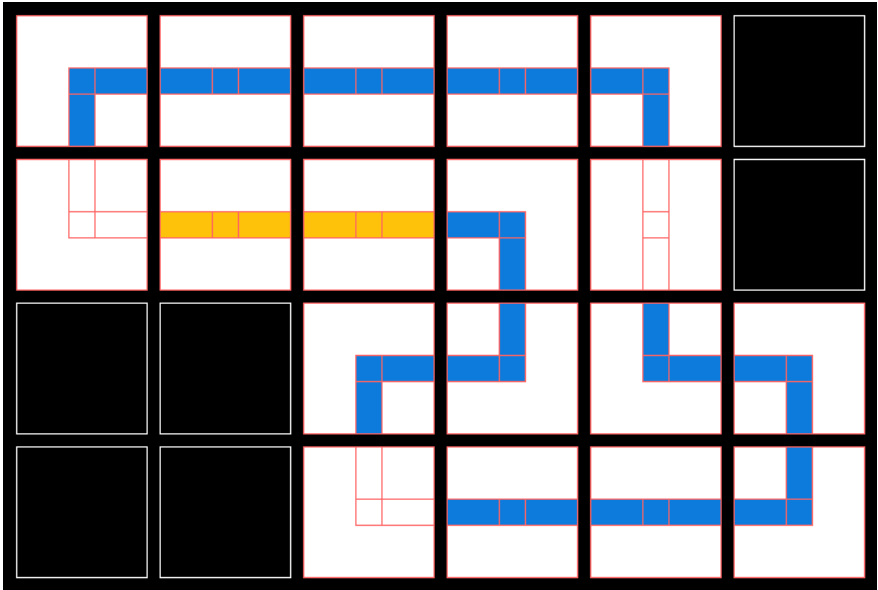
Figure 394: 1-1-1

Move	New State	Result
B1	1-1	Win
B5	1-1	Win
D3	1-1	Win
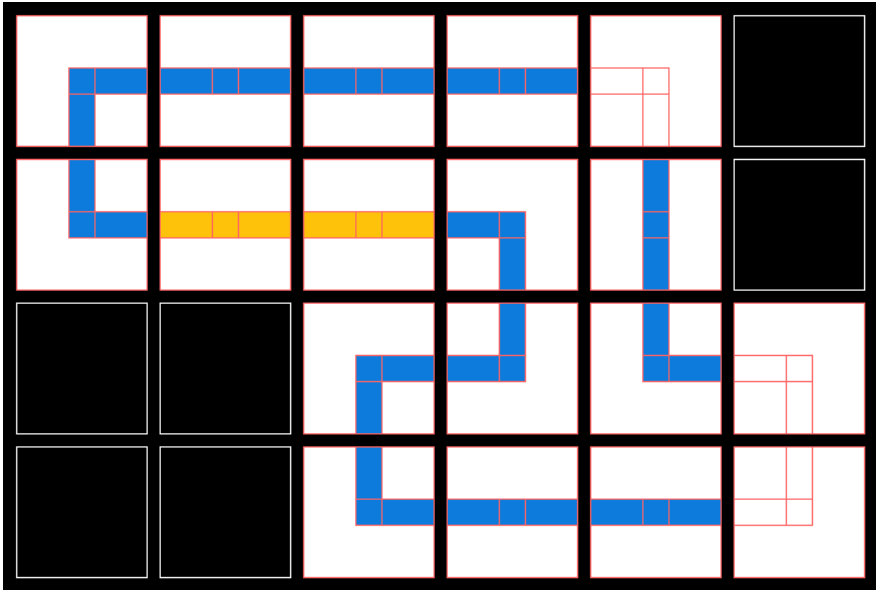
Figure 395: 1-2

Move	New State	Result
A5	2	Loss
C6	1-1	Win
C6,D6	1	Loss
D6	1-1	Win

3
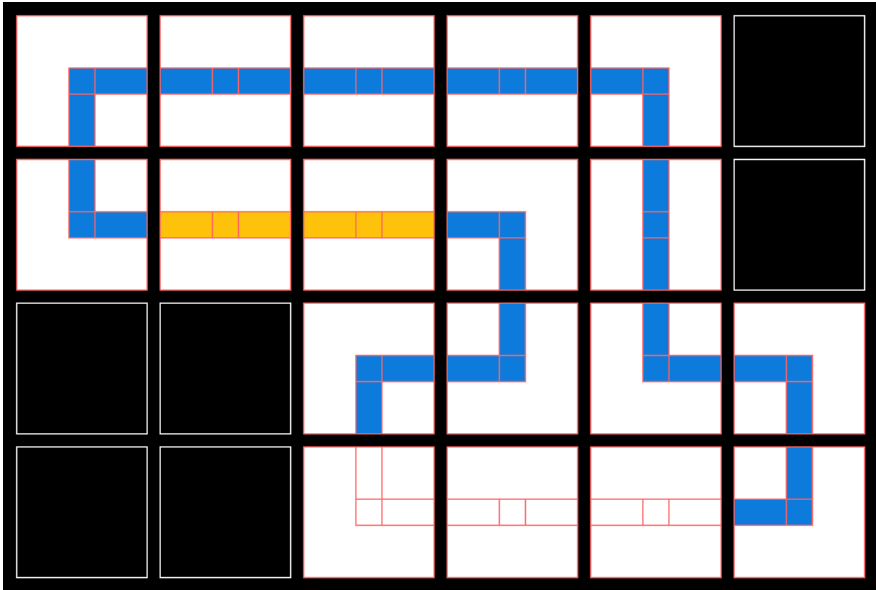
Figure 396: 3

Move	New State	Result
D3	2	Loss
D3,D4	1	Loss
D3,D4,D5	Done	Win
D4	1-1	Win
D4,D5	1	Loss
D5	2	Loss

L
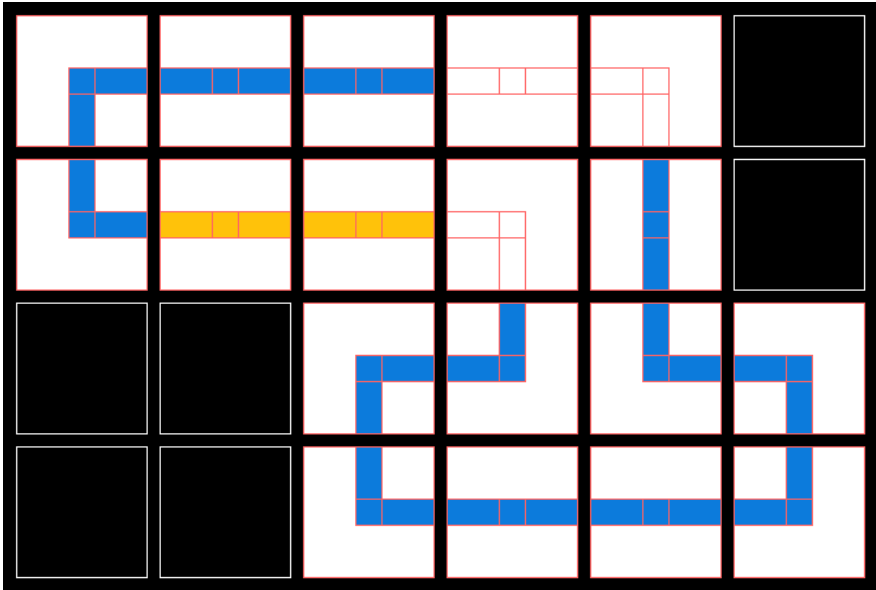
Figure 397: L

Move	New State	Result
A4	1-1	Win
A4,A5	1	Loss
A4,B4	1	Loss
A5	2	Loss
B4	2	Loss

Lx
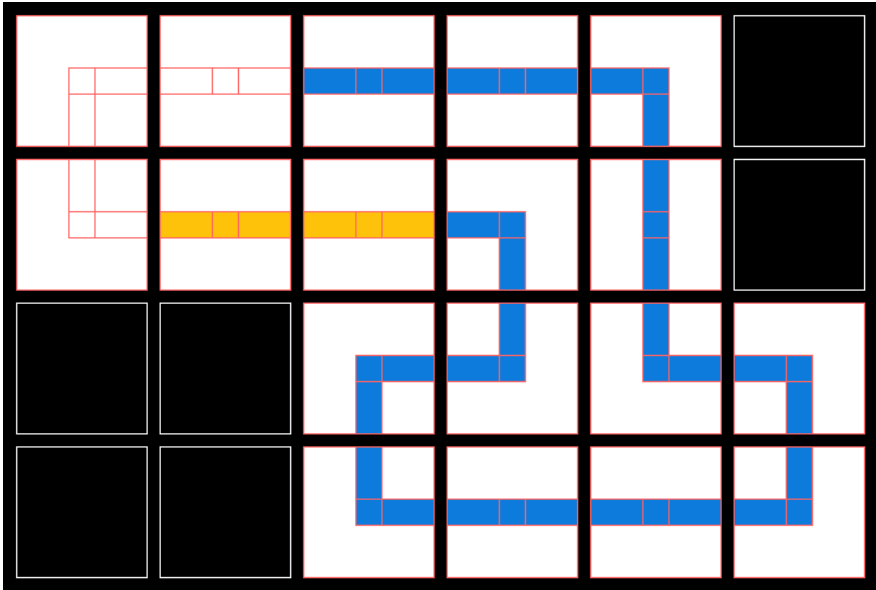
Figure 398: Lx

Move	New State	Result
A1,A2	1	Loss
A1,B1	1	Loss
A2	2	Loss
B1	2	Loss

1-1
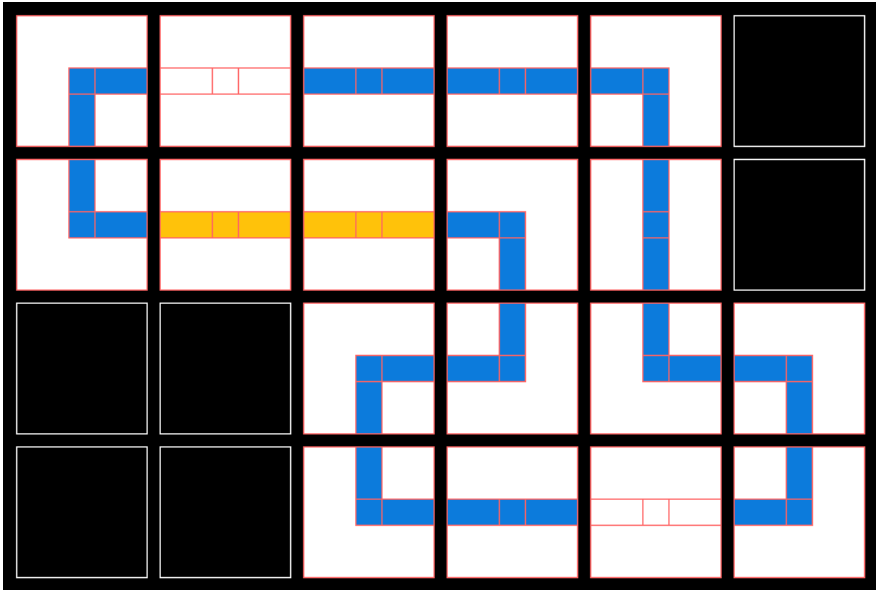
Figure 399: 1-1

Move	New State	Result
A2	1	Loss
D5	1	Loss

2
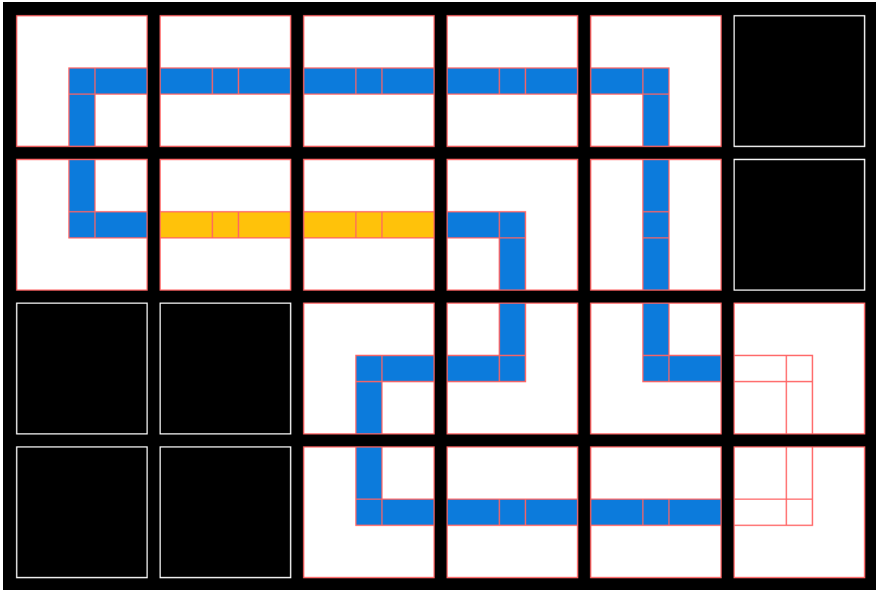
Figure 400: 2

Move	New State	Result
C6	1	Loss
C6,D6	Done	Win
D6	1	Loss

1
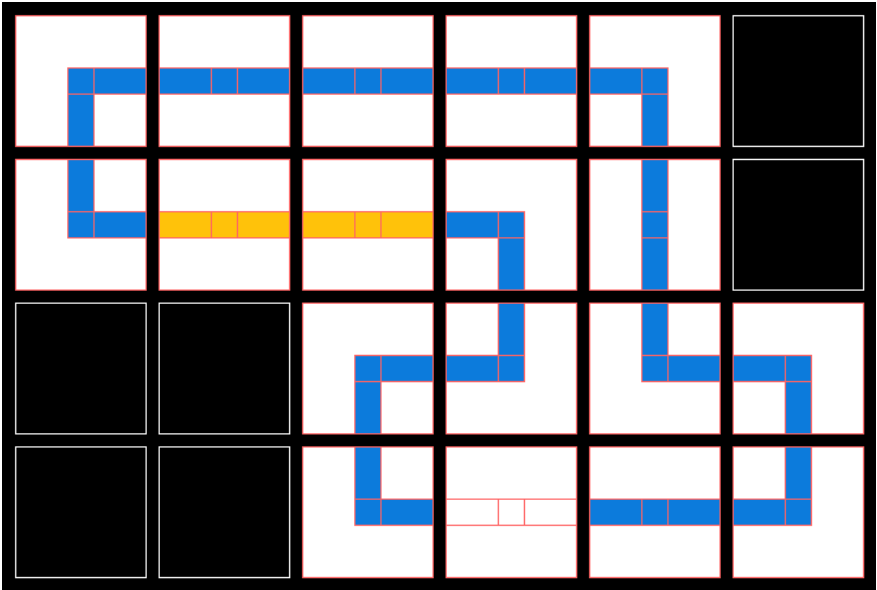
Figure 401: 1

Move	New State	Result
D4	Done	Win

Done

Figure 402: Done