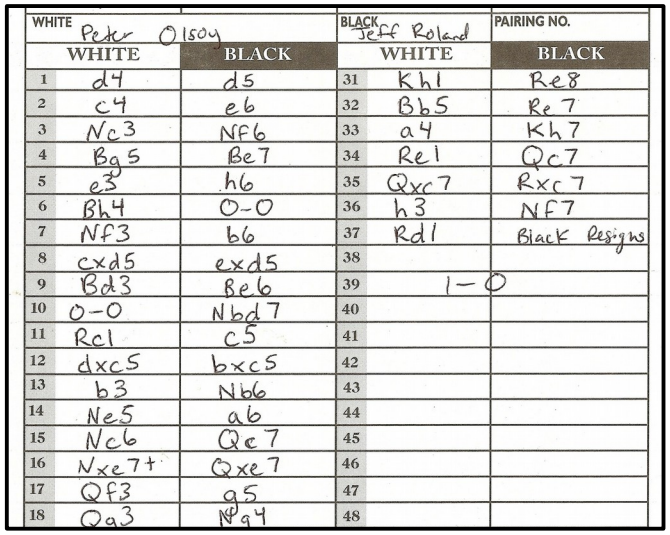
Chess Soup

Gregory Marx, Metis 2019

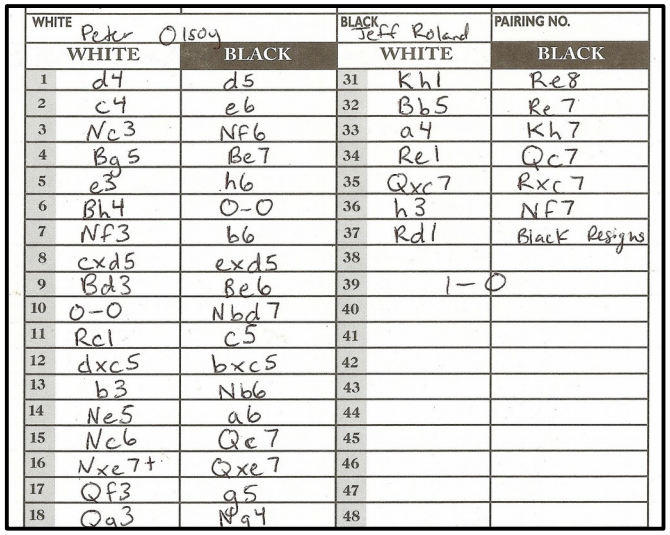
Methodology



WHITE Peter Olson		BLACK Jeff Roland		PAIRING NO.
	WHITE	BLACK	WHITE	BLACK
1	d4	d5	Kh1	Re8
2	c4	e6	Bb5	Re7
3	Nc3	Nf6	a4	Kh7
4	Bg5	Be7	Re1	Qc7
5	e3	h6	Qxc7	Rxc7
6	Bh4	O-O	h3	Nf7
7	Nf3	b6	Rd1	Black Resigns
8	cxd5	exd5		
9	Bd3	Be6	1-0	
10	O-O	Nbd7		
11	Rc1	c5		
12	dxc5	bxc5		
13	b3	Nb6		
14	Ne5	a6		
15	Nc6	Qe7		
16	Nxe7+	Qxe7		
17	Qf3	g5		
18	Qa3	Ng4		

Obtained digital score sheets from chess games played on Lichess.org

Methodology



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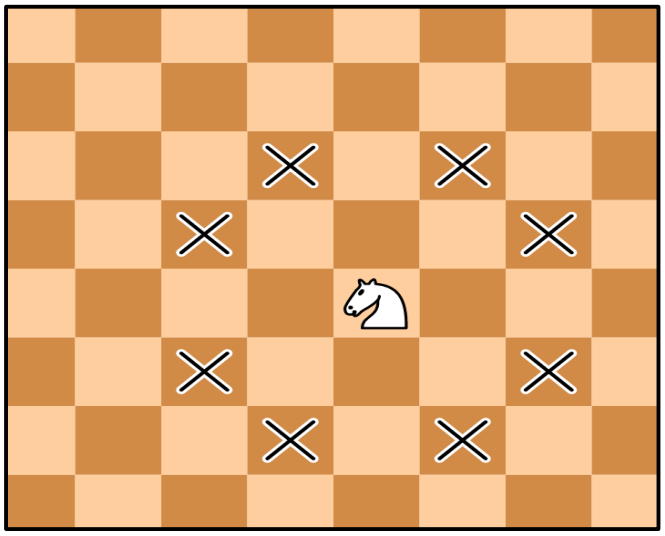
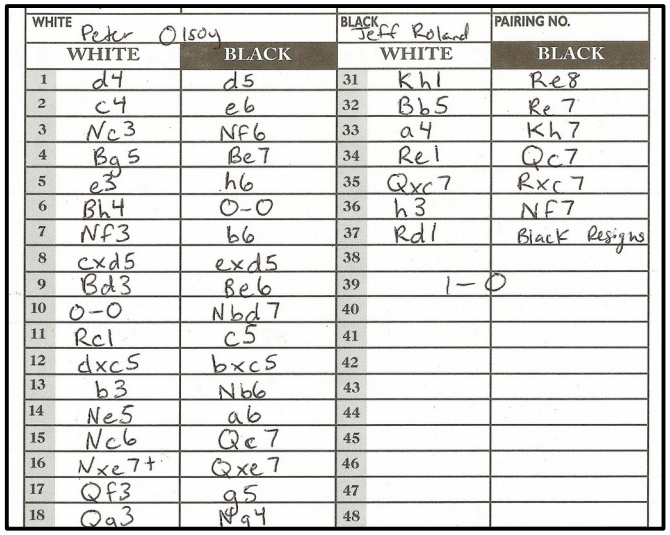


Recorded location and attacks for every piece after every turn

Methodology



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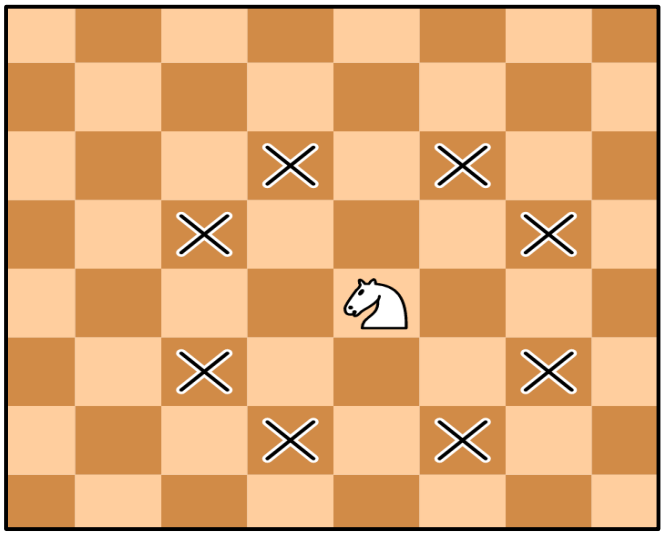
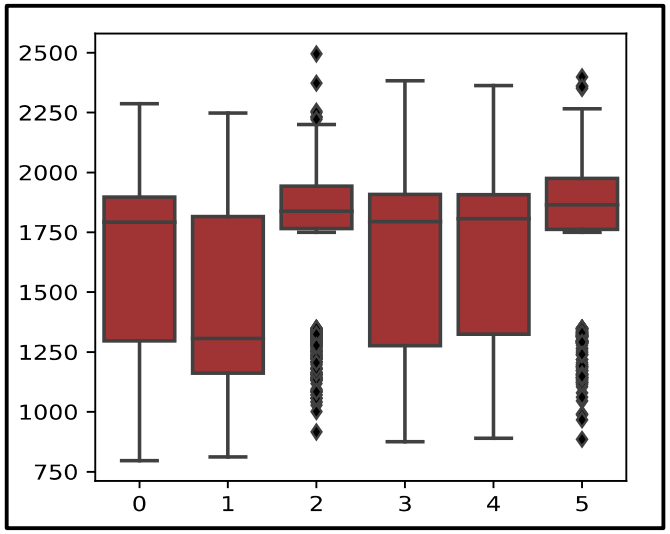
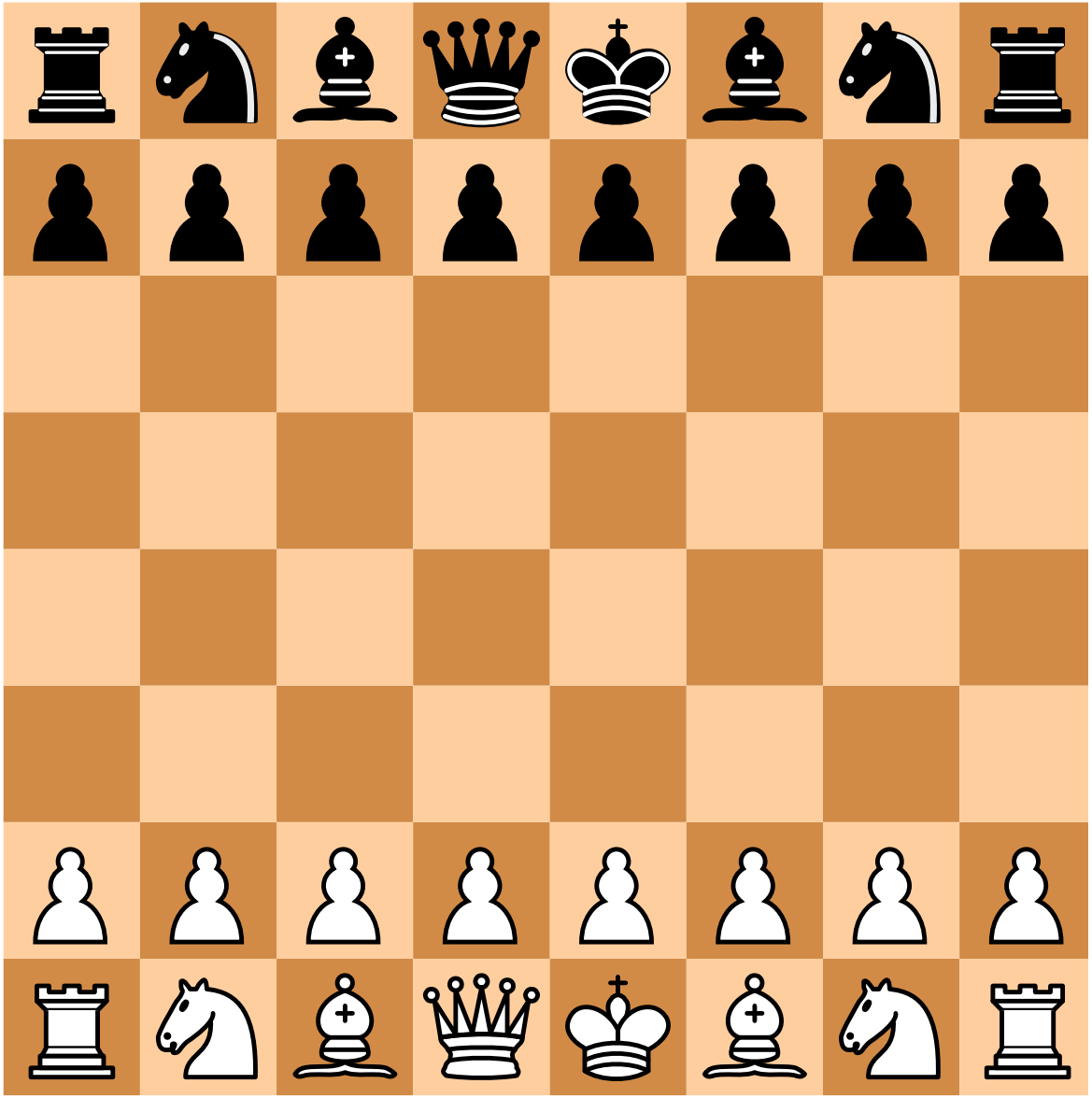


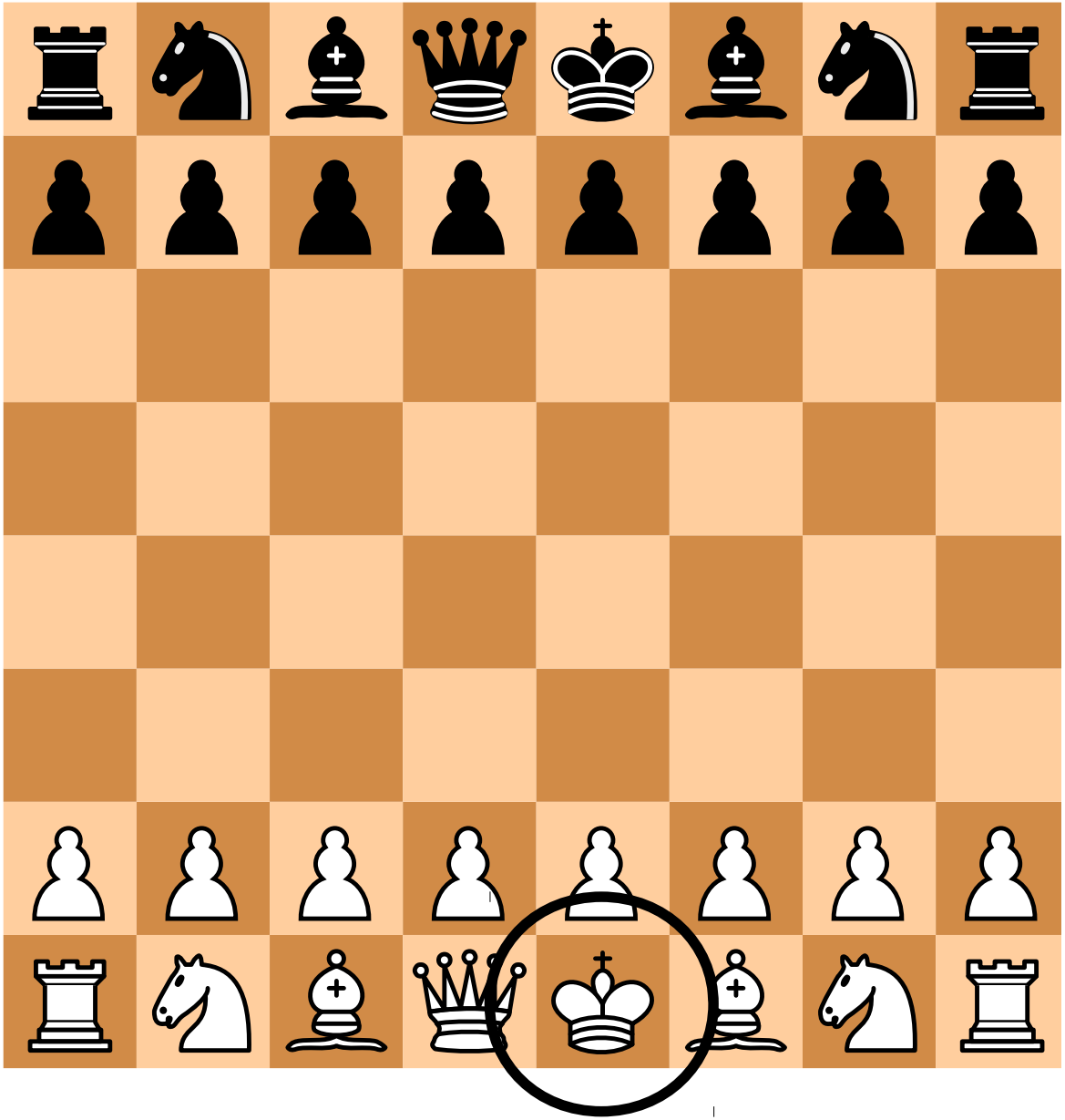


Implemented a clustering algorithm to isolate groups of strong players

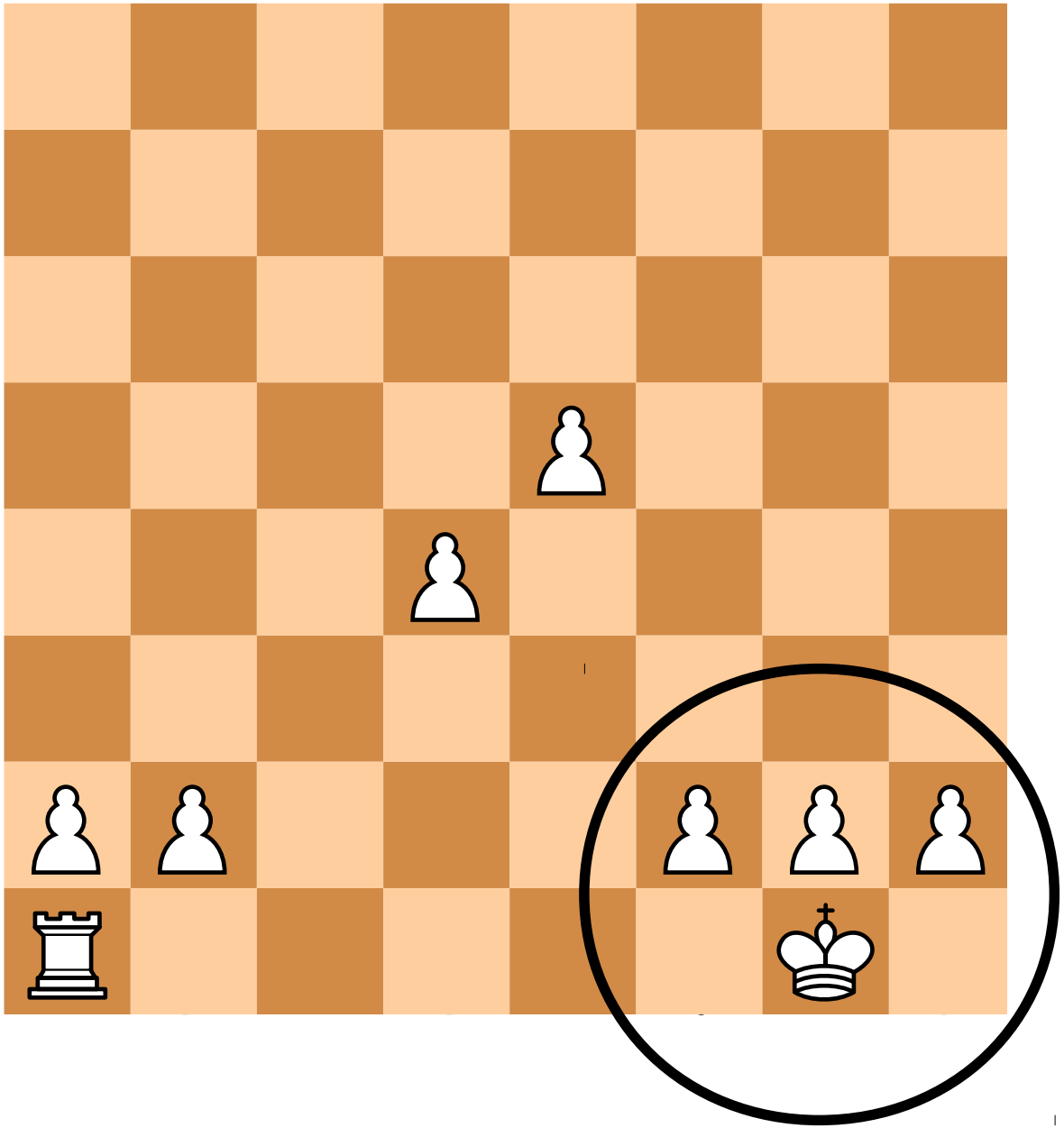
Starting board



Starting board



Good piece placement



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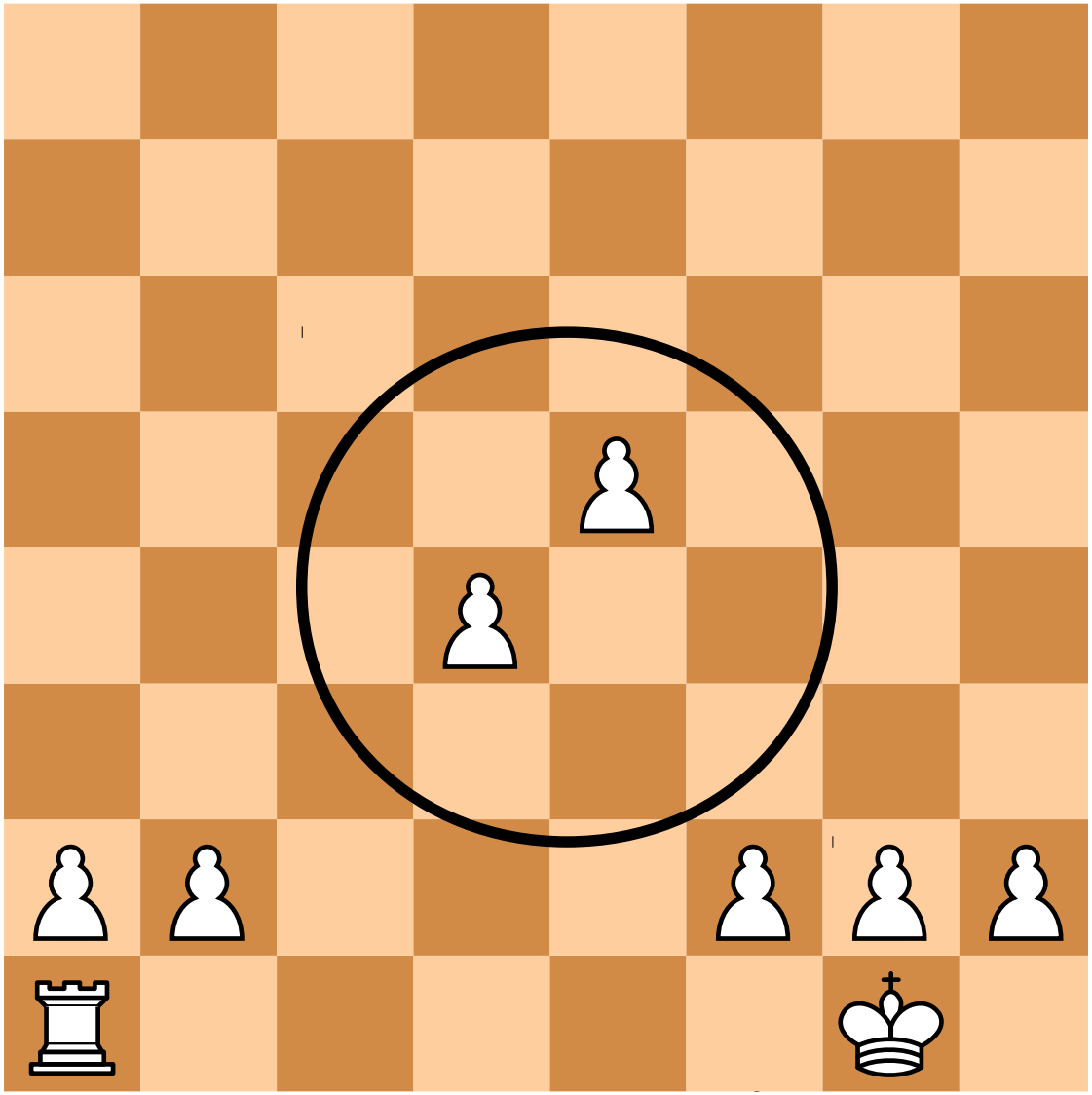

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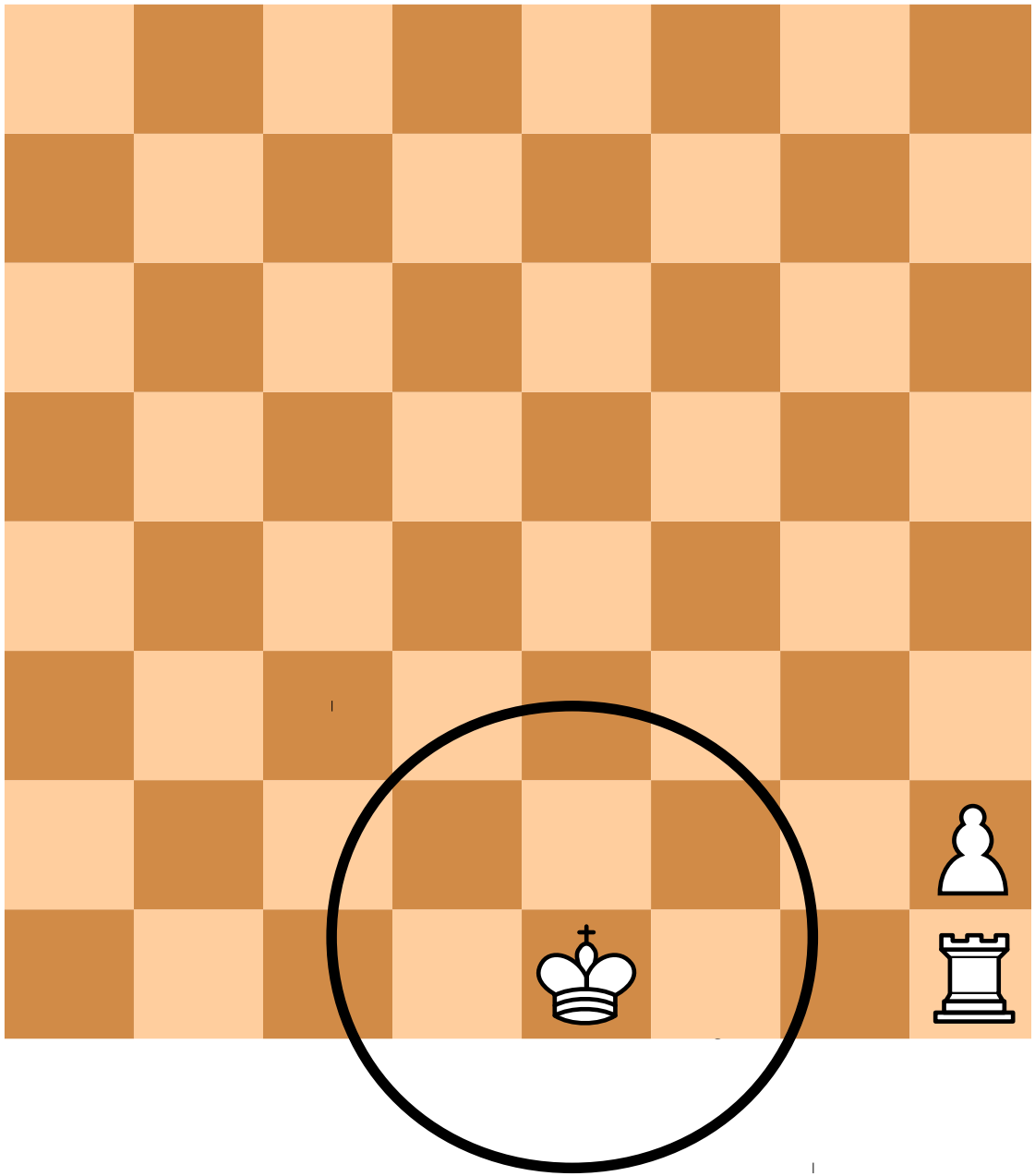
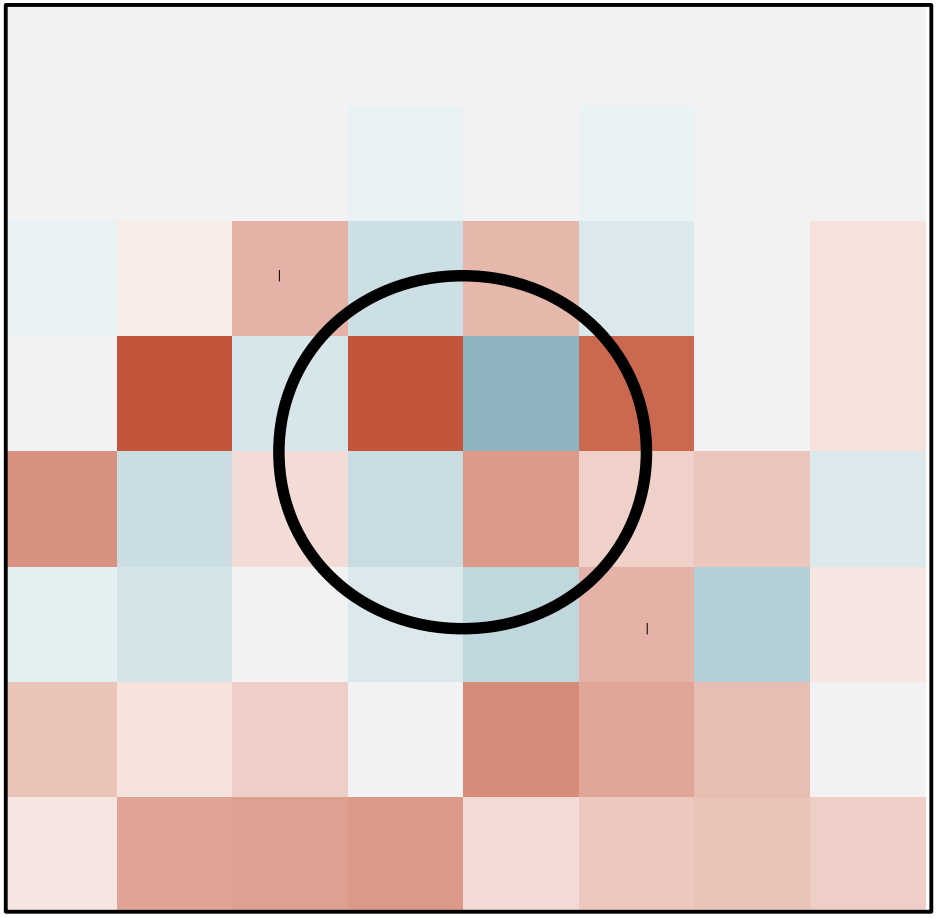
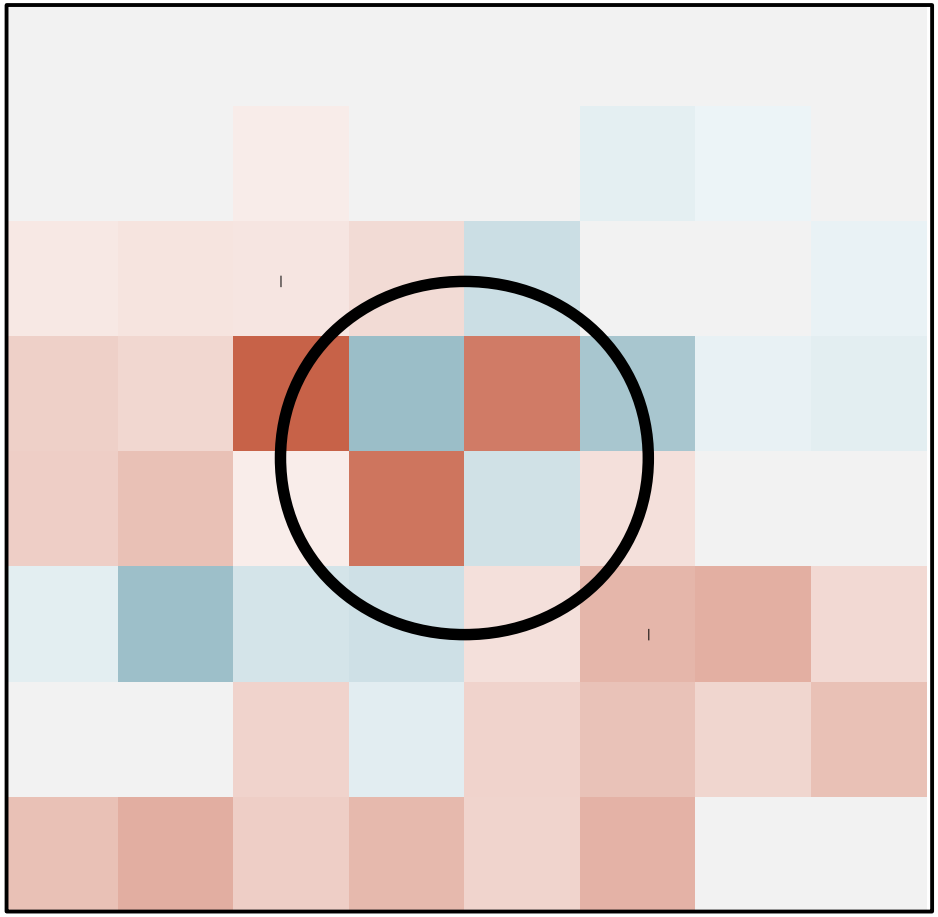


Good board control





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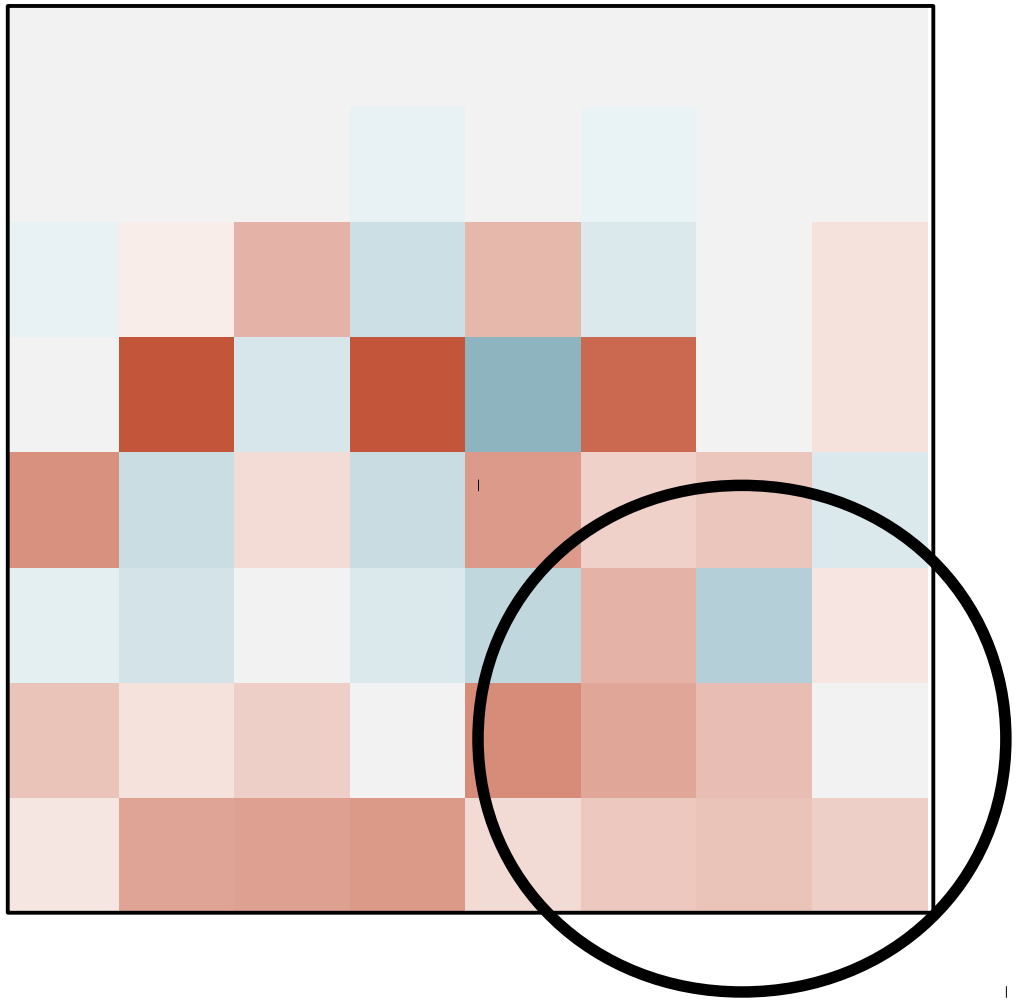

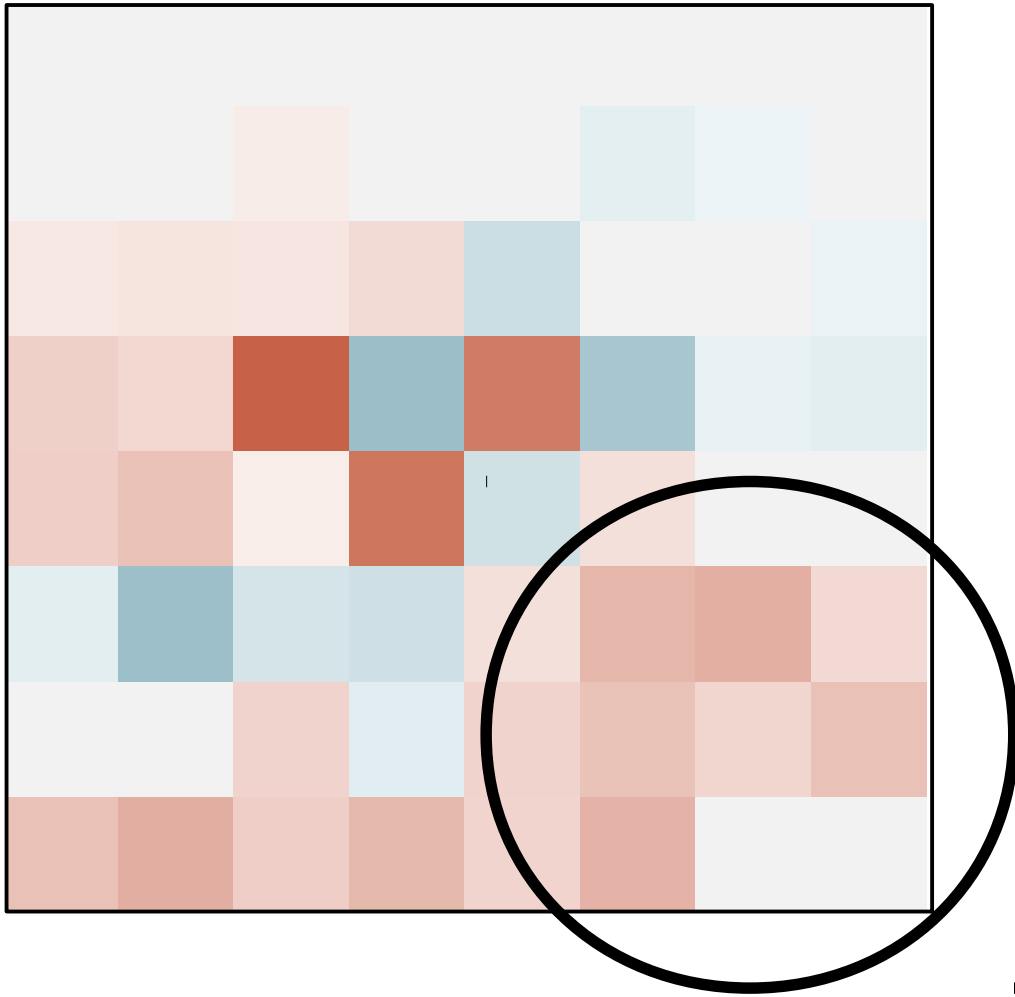

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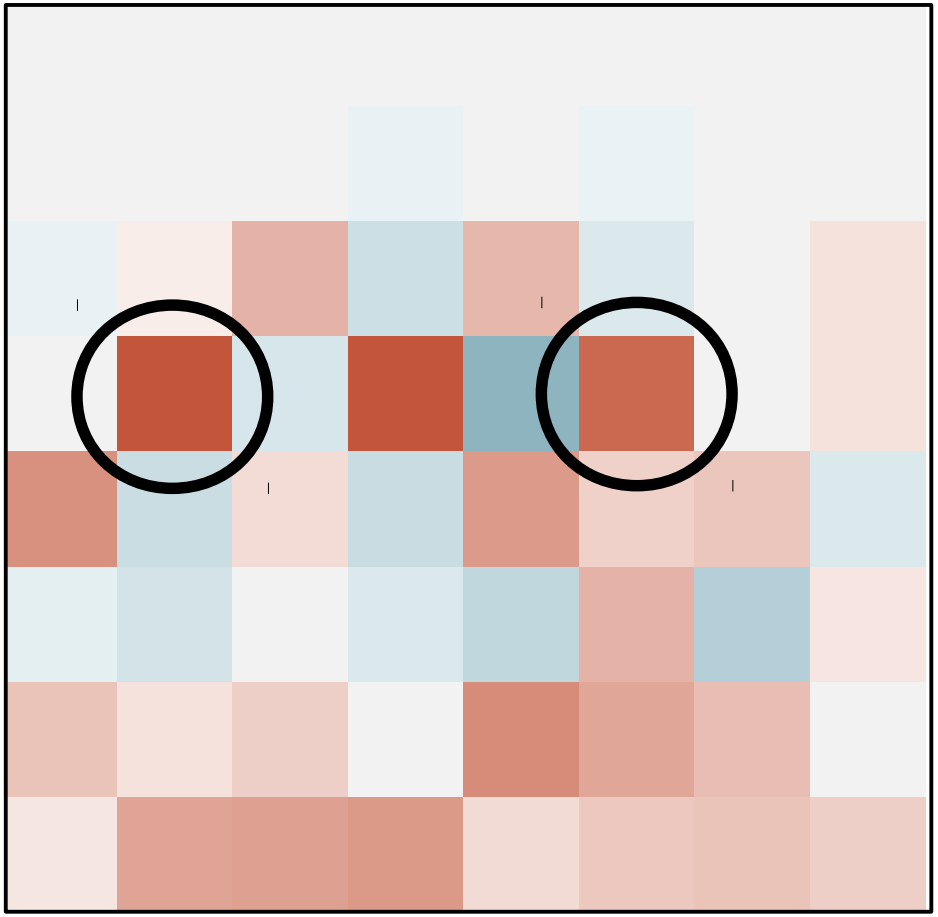

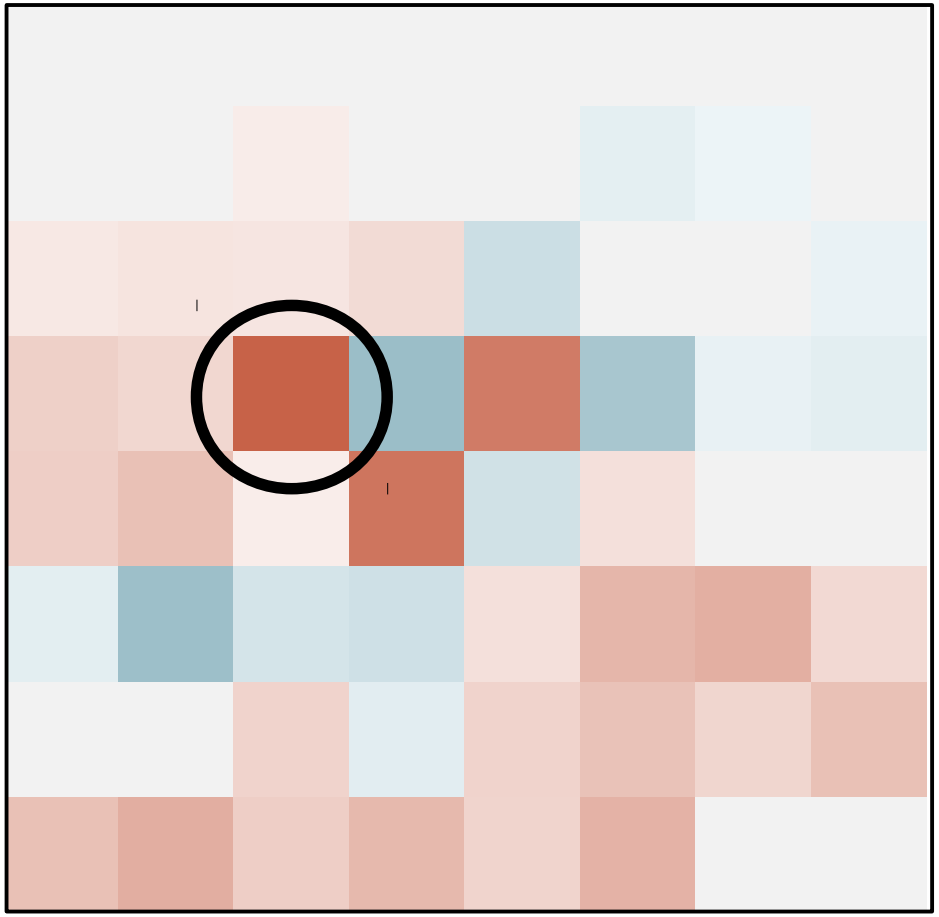

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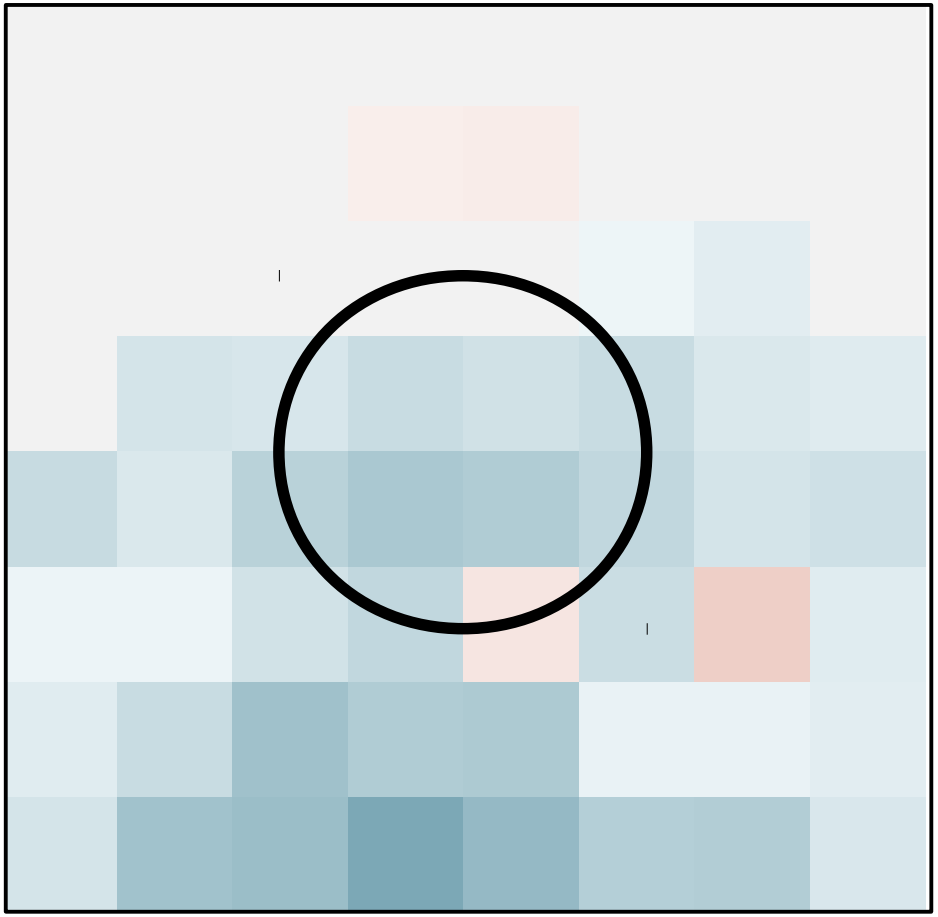

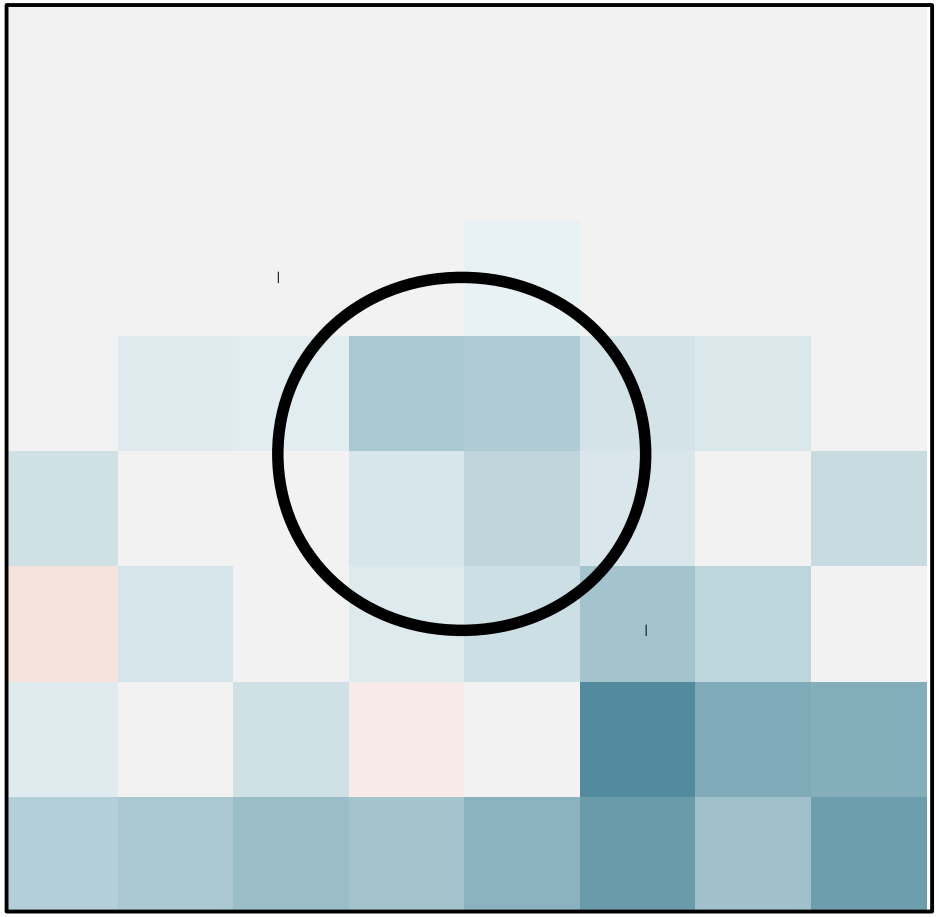

Takeaways

Piece placement:

Takeaways

Piece placement:

1) Put your king in the right corner

Takeaways

Piece placement:

1) Put your king in the right corner

2) Fix the pawns in front of the king

Takeaways

Piece placement:

1) Put your king in the right corner

2) Fix the pawns in front of the king

3) Push your middle pawns

Takeaways

Board control:

Takeaways

Board control:

1) Activate your pieces quickly

Takeaways

Board control:

1) Activate your pieces quickly

2) Aim to control central squares

Takeaways

Board control:

1) Activate your pieces quickly

2) Aim to control central squares

3) Maintain control around your king