

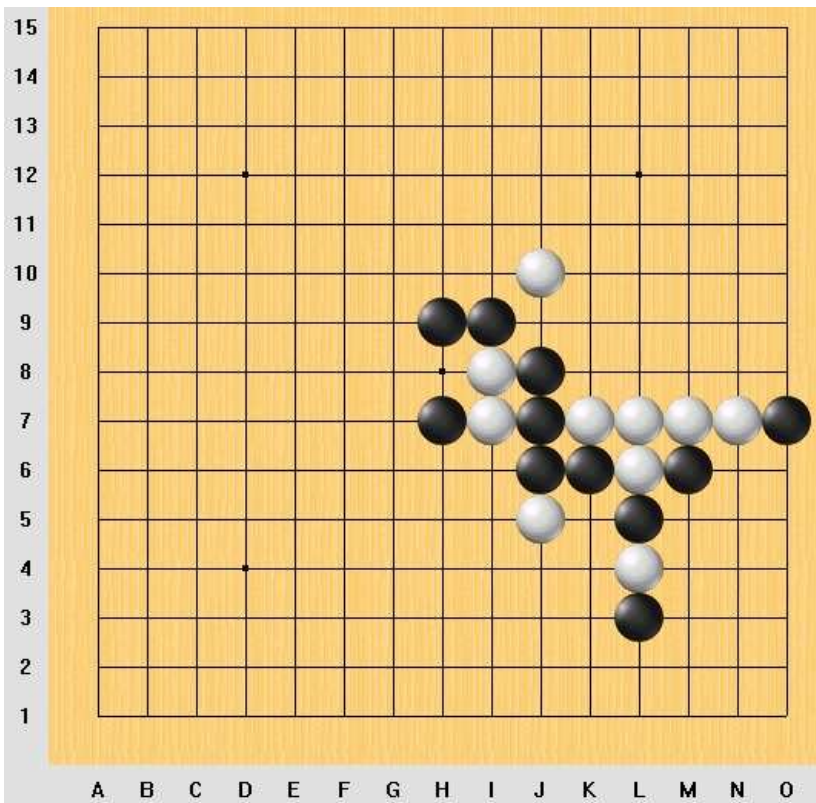
## 1. Game against rtpolina

<http://www.playok.com/en/game.phtml/120506990?gm>

```
[Event "8021968"]
[Site "kurnik"]
[Date "2016.09.02"]
[Round "4"]
[Black "rtpolina"]
[White "daralagalleta"]
[Result "0-1"]
[Time "20:56:06"]
[TimeControl "420"]
[GameType "61,15"]
[BlackElo "1878"]
[WhiteElo "1787"]
```

1. l3 l4 2. m6 white 3. -- j5 4. j6 k7 5. k6 l6 6. j8 i7 7. h7 l7 8. l5 m7 9. j7 n7 10. o7 i8 11. i9 j10 12. h9 l9 13. l10 n8 14. o9 k9 15. l8 n9 16. n10 k10 17. o6 k11 18. o8 k8 0-1

When I looked at this game, I immediately found Daralagalleta's move L9 highly suspicious. Here is the position immediately before that move:



Daralagalleta (Fudjin) is white here.

L9 is considered by Yixin the best move at depth 10 and higher. It takes about 10 seconds to calculate to depth 10, so it is feasible to do in a 7 min game. At depth 13, Yixin finds that this move is a winning move. Apparently, it is the only move leading to a provable win.

I showed the picture above to ten strong players and asked them how they would play in this

position in a 7 min game. Here are their answers:

Łukasz Majksner: L10  
 Martin Muzika: N8  
 Lukáš Souček: L8  
 Denis Kachaev: G9  
 Ilya Katsev: L10  
 Daria Petrenko: L10 or N8  
 Kjetil Nossun: L10 or N8  
 Denis Osipov: L10  
 Bogdan Brachaczek: N8  
 Player with the nickname "okcthunder": N8

No one played L9, Daralagalleta's move.

Here is what a couple of top players said about the move L9:

Denis Osipov: “Это точно прога. Я увидел почему правильно ходить л9, но это очень сложно для 7 минут. Пришлось реально задуматься над позой, в реальной игре я бы так не пошел. Если только на 30мин+. Просто человеку на таком контроле не придет даже в голову считать эту ветку.”

(Translation: “It is definitely a program. I saw why L9 is the correct move, but it is very difficult to see in a 7 min game. I had to really contemplate this position. I would not play that move in a 7 min game. It might play it only in a 30+ min game. In a 7 min game, no human player would even come to the idea of calculating that branch.”)

Denis Kachaev: “На 7 мин это, конечно, сильно.” “L9, конечно, выглядит нетривиально для 7 мин”.

(Translation: “For a 7 min game, it is a strong move, of course.” “L9, of course, looks not obvious for a 7 min game.”)

Just before playing L9, Daralagalleta played J10, Yixin's move. After L9, he perfectly played a win.

## **2. Game against wmzoli (Zoltan Laszlo aka Zoli)**

<http://www.playok.com/en/game.phtml/120795901?gm>

```
[Event "8034968"]
[Site "kurnik"]
[Date "2016.09.23"]
[Round "5"]
[Black "daralagalleta"]
[White "wmzoli"]
[Result "0-1"]
[Time "21:09:18"]
[TimeControl "420"]
[GameType "61,15"]
[BlackElo "1988"]
[WhiteElo "2125"]
```

1. l3 l4 2. k5 black 3. j5 i4 4. i3 k7 5. j6 j7 6. k6 l7 7. m7 h6 8. h7 g5 9.

f4 g6 10. g7 j8 11. i6 g8 12. m6 l6 13. m5 m4 14. j3 k3 15. f7 e7 16. f6 f5 17. k4 15 18. k9 e5 19. d5 h8 20. f8 j10 21. h10 f10 22. e9 d10 23. e11 e10 24. g10 c8 25. d7 19 26. l8 d9 27. n6 o5 28. f11 k10 29. m8 m9 30. j9 i8 31. e12 k8 0-1

That's a game after which Zoli complained. He said he felt his opponent used a program during a part of this game.

Four moves in a row – I6, M6, M5 и J3 – coincided with Yixin.

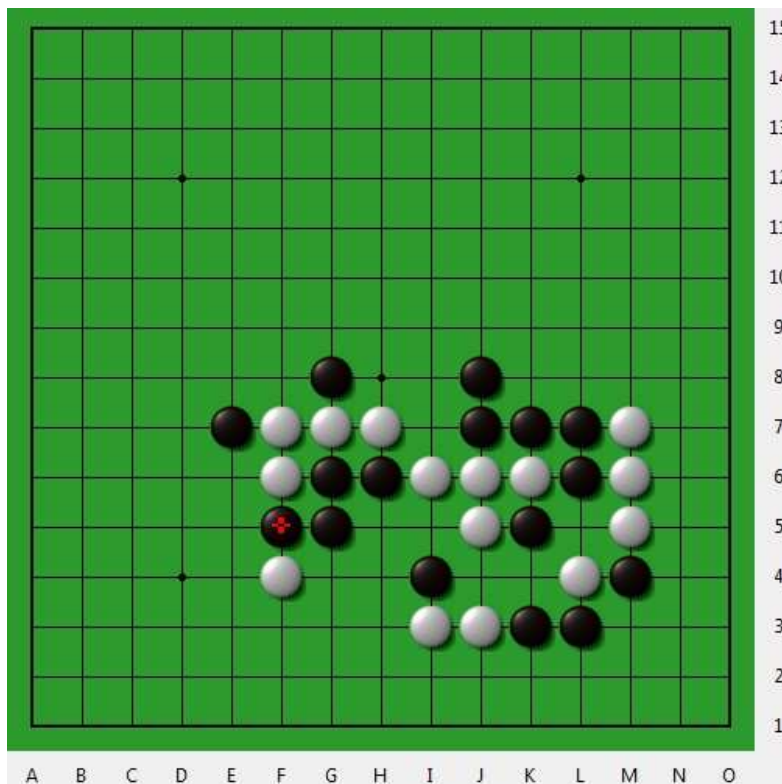
Denis Kachaev's opinion: “С Золи да, были подозрительные места. Например, начиная с M6 и до K4”.

(Translation: “In the game against Zoli, yes, there were suspicious parts. For example, the moves from M6 to K4.”)

Denis Osipov's opinion on the moves from M6 to K4: “Да, это очень похоже на программу и мало похоже на человека. Человек, боле-мене вменяемого уровня отыгрывая ресурсы идет обычно к какой то определенной цели (атака/единственный вариант заблочить и т.д.) А тут похоже на прогу, которая выбрала ветку по какому то коэффициенту. Логику в этих ходах очень трудно проследить.”

(Translation: “Yeah, it looks very much like a program and does not look like a human player. A well-skilled human player usually pursues an aim when he uses his resources (e.g., an attack or the only way to defend.) Here, it looks like a program, which chose a branch based on a coefficient. It is very difficult to find a logic behind these moves.”)

The move K4 looks especially suspicious. Here is the position immediately before that move:



Daralagalleta is white here.

Yixin considers K4 the best move at depth 6 and higher.

Zoli's comment on K4: "Surely prog. Dumb prog move."

Łukasz Majksner's comment on k4: "I would never play such a move. Not a human move. Imo."

Konstantin Nikonov asked Fudjin on the Russian gomoku discussion board what his idea behind his move K4 was, and it is only after I repeated Nikonov's question when Fudjin made a couple of public statements on that. Here they are:

"Решил я так заблочить вот и все"

(Translation: "I decided to block in this way, and that's it.")

"Можно было его и не ставить наверное, но он вроде не особо портит все. перекрывает пару пассивных возможных направлений атаки, а после него все равно играетя блочащий ход, так что к4 погоду не портит. вот и все рассуждения. в более детальный анализ вдаваться не буду"

(Translation: "Perhaps it was not necessary to play this move, but it does not significantly worsen the position. It blocks two passive potential attack directions. After this move, a blocking move has to be played, so K4 does not do any harm. That's all. I will not go into further details.")

### **3. Game against puma1600**

<http://www.playok.com/en/game.phtml/120409823?gm>

```
[Event "8020206"]
[Site "kurnik"]
[Date "2016.08.26"]
[Round "4"]
[Black "puma1600"]
[White "daralagalleta"]
[Result "0-1"]
[Time "20:52:42"]
[TimeControl "420"]
[GameType "61,15"]
[BlackElo "1965"]
[WhiteElo "1649"]
```

```
1. g12 h5 2. l9 k10 3. l12 -- 4. white -- 5. j8 k11 6. j10 l10 7. l11 j9 8. m9
h11 9. k8 i10 10. f13 i11 11. i8 l8 12. h6 h9 13. g8 h8 14. h10 g11 15. f11 j11
0-1
```

As almost all Daralagalleta's moves coincided with Yixin, I performed an experiment: I asked a few strong players who had not seen that game before to play for Daralagalleta. When a player made a move different from how Fudjin played, I asked the player to undo the move, to make the move Fudjin played, and play further. Then I compared how many moves coincided with Yixin for each of the players and for Fudjin. I considered a move coinciding with Yixin if it coincided with the move Yixin considers the best move at at least one depth between 5 and 12.

Here are the results of the experiment:

Daralagalleta's moves	Yixin's moves at depths 5-12	Denis Osipov's moves	Zoltan Laszlo's moves	Stepan Tesarik's moves	Lukas Soucek's moves	Matiss Riherts' moves
K11	F12 (depth 5), F11 (depth 6), K11 (depths 7-9), L10 (depths 10-12)	M11	I9	J9	K9	K11
L10	L10 (depths 5-12)	L10	L10	I10	L10	L10
J9	J9 (depths 5-12)	M9	J9	J9	J9	J9
H11	G11 (depth 5), G10 (depths 6-7), H11 (depths 8-12)	I10	H11	G11	J10	H11
I10	I8 (depth 5), G11 (depths 6-12)	I11	I10	I11	H9	I10
I11	G11 (depths 5-7), I11 (depths 8-12)	F13	I8	I11	I11	I8
L8	G11	L8	L8	L8	L8	L8
H9	H9	J11	H9	H9	H9	H9
H8	H8	H8	H8	H8	H8	H8
G11	G11	I9	I9	I9	I9	I9

Daralagalleta: 8 moves coinciding with Yixin  
 Denis Osipov: 2 moves coinciding with Yixin  
 Zoltan Laszlo: 5 moves coinciding with Yixin  
 Stepan Tesarik: 5 moves coinciding with Yixin  
 Lukas Soucek: 5 moves coinciding with Yixin  
 Matiss Riherts: 6 moves coinciding with Yixin

These statistics strongly suggest Fudjin cheated, but are not a strict proof.

Also, in the end of the game, Fudjin played a VCF exactly how Yixin suggests (G11), not how all human players played it. Here is Denis Osipov's comment on that:

“Да, отыгрыш в конце очень подозрителен. Потмоу что человек считая эту позу, в уме неизбежно прикидывает вариант закрытия не в г8 а в дж11, ну я уверен все так же думают. и при таком закрытии напрашивается вин через и12 ф9, и в голове все равно останется этот вин, даже при закрытии г8. Зачем отыгрывать какой то альтернативный вин, когда ничто не мешает сыграть как и планировалось”

(Translation: “Yeah, the way how he finished the game is highly suspicious. The reason is that when a human player performs calculations, he considers the blocking move j11, not g8. Well, I am sure everyone thinks this way. Then, the win via i12 and f9 comes to mind and remains there, even in case the block g8 is played. I do not see any reason to play an alternative win if nothing prevents me from playing the win I planned to play.”)