The Practical Endgame Bible

Guidelines for the Fundamentals of the Endgame

Boroljub Zlatanovic

First edition 2023 by Thinkers Publishing Copyright © 2023 Boroljub Zlatanovic

All rights reserved. No part of this publication may be reproduced, stored in a retrieval system or transmitted in any form or by any means, electronic, mechanical, photocopying, recording or otherwise, without the prior written permission from the publisher.

All sales or enquiries should be directed to Thinkers Publishing, 9850 Landegem, Belgium.

Email: info@thinkerspublishing.com Website: www.thinkerspublishing.com

Editorial Director: Adrien Demuth

Assistant Editor: Daniël Vanheirzeele

Proofreading: Kai Tan

Software: Hub van de Laar

Cover Design: Iwan Kerkhof

Graphic Artist: Philippe Tonnard

Production: BESTinGraphics

ISBN: 9789464201741 D/2023/13732/8

The Practical Endgame Bible

Guidelines for the Fundamentals of the Endgame

Boroljub Zlatanovic

Thinkers Publishing 2023



Thanks to my lovely wife Marijana for her wholehearted support

Key to Symbols

- ! a good move
- ? a weak move
- !! an excellent move
- ?? a blunder
- !? an interesting move
- ?! a dubious move
- □ only move
- N novelty
- C lead in development
- zugzwang
- = equality
- ∞ unclear position
- with compensation for the sacrificed material
- ± White stands slightly better
- \equiv Black stands slightly better
- ± White has a serious advantage
- **∓** Black has a serious advantage
- +- White has a decisive advantage
- -+ Black has a decisive advantage
- → with an attack
- ↑ with initiative
- Δ with the idea of
- △ better is
- ≤ worse is
- + check
- # mate

Table of Contents

Key to Symbols	6
Foreword	8
Preface	9
Chapter 1 – The Center	11
Chapter 2 – The Active King	49
Chapter 3 – Open Files	73
Chapter 4 – The Bishop Pair	103
Chapter 5 – Activity & Harmony	167
Chapter 6 – Space Advantage	205
Chapter 7 – Key Squares	243
Chapter 8 – Pawn Majority	271
Chapter 9 – Pawn Weaknesses	299
Chapter 10 – Two Weaknesses & Playing on Both Sides	339
Chapter 11 – Opposite-Colored Bishops	365
Chapter 12 – Exchange Problems	399
Chapter 13 – Do Not Rush	421
Chapter 14 – Schematic Thinking	
Chapter 15 – Restriction & Prophylaxis	
Index of Games	493

Foreword

In his new book Boroljub Zlatanovic is reviewing a variety of endgame strategies. The various moves (good and bad), critical moments, future strategy for both sides are well explained and emphasized by the author. It includes topics such as "The Center", "Exchanging Pieces", "The Active King", and "Activity and Harmony". I really like that the book is focused on human thinking and explanations and not just on plain computer analysis. The book is great for starting and professional players alike.

Kiril Georgiev, 2022

Preface

It is a well-known fact that endgames are the basis of chess. Simply, you must know endgames, for instance to be able to build a good plan in the middlegame (and even in the opening if you are a true master). Good opening theory knowledge and the decision-making process and planning in the middlegame would just not be enough if you do not know how to convert in the endgame. This is why all serious chess education from its beginning must start with the endgame. Of course, one starts with trivial and simple endgames, to be later upgraded with typical ones. However, after reaching a certain level it is necessary to investigate endgames much more deeply — to pay attention to more universal and complex elements, ideas and principles. Not surprisingly some universal principles (such as activity, harmony, controlling the open file etc.) are valid not only in the middlegame but they still keep an important role in the endgame!

There are many books devoted to basic endgames, even from the Middle Ages. Principles of typical endgames (such as keeping the rook behind a passed pawn, not setting pawns on the same colored squares as your bishop's, distant pawns being more dangerous than central ones etc.) are well known too. But what about "complex endgames"? I have in mind endgames with at least two pieces on each side; well I don't find them often nor sufficiently well-explained in the past! It is exactly this fact (together with my passion and great endgame experience) that has motivated me to write this book (many friends simply call me "Endgame Wizard").

Over two decades of working as a coach has confirmed my opinion that endgames are the biggest problem for young players. Today, in the computer era with a lot of information easily provided, youngsters all over the world rather play blitz, or solve some tactical puzzles in a manner that is "the faster the better" (or even spend time on some other chess disciplines). All of this neglects the basis of chess — the importance of endgames! It is not uncommon that everyday you can be witness to some strange endgame misunderstanding, even at the top level.

This is why I consider some of my favorite endgame books based on logic as the best I've ever read – I learned the endgame from some of the best endgame players and authors. And this is why I want to fill that gap in chess literature and to share my devotion, ideas, principles, opinions with you! I hope you will enjoy this material and I am pretty sure you will broaden your endgame horizons.

The material is separated into 15 chapters that I found essential to cover all the ideas that I had in mind. Logically, I started with more important principles (like the center and activity of the king) which will be widely used later in the book as well. The most specific principles are analyzed at the end. So, for this reason I suggest that you should not skip examples.

Finally, I would be grateful if you would deliver all your opinions, criticisms, suggestions to my mail borzlat@gmail.com. Enjoy and welcome!

Boroljub Zlatanovic, November 2022



The Center

The center is considered to be the ultimate principle of chess in the middlegame. This is also the case in the opening, because we must fight for the center as quickly as possible. Furthermore a series of exchanges in the middlegame will not affect at all the center's importance!

Moreover, the center remains a leading chess principle in the endgame. Indeed, the presence of empty space in the center of the board (this is a usual situation in endgames) would simply reinforce the importance of centralization.

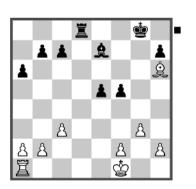


Game 1

A Znosko Borovsky, Eugene

▲ Alekhine, Alexander

Paris 1933



Our first (and in general, the most important) topic starts with a classic and relatively simple example. Alekhine's play in this endgame produces a strong impression. First, Black activates the king.

19... ⊈f7 20. **≜e**3

White instinctively moves the bishop back to base. However, of course, it was safe on h6. It was better instead to play 21. \$\display\$ e2.

20. \$\ding\$e2 f4 21. gxf4 \$\ding\$g6



Position after: 21... \$\dot{g}6\$

This would give nothing to Black after the following. 22. 皇g5 皇xg5 23. fxg5 堂xg5 24. 罩g1+ White even has a small advantage.

20... h5!

He who stands better in the center can play on the flanks! Although this is more

a psychological rather than a truly dangerous approach, it is in any case logical. Black wants to put annoying pressure after ...h4. Usually the logical response with gxh4 creating an outside passed pawn would be simply bad because the black central pawn armada would dangerously constrict White's army.

21. ⊈e2



Position after: 24... 罩e8+

25. 掌f3 臭d8 26. 罩h1 h4

21... 堂e6 22. 罩d1



Position after: 22. 罩d1

22... **\Bar**g8

23. f3 h4

An unpleasant contact.

24. 💄 f2



Position after: 24. \$\&\mathcal{2}\$f2

An interesting moment. Since White should not capture on h4 Black should not hurry. It would have been more appropriate to start with activities on the other side.

24... hxg3?!

24... b5 Further expanding on the queenside would have been more logical. Control of the center would give Black solid chances for play on both flanks.

25. hxg3 \(\bar{\textsq} \) h8

Black has the h-file but there is nothing to achieve if White plays precisely.

26. **£g1 £d6**



Position after: 26... \$\d20e9d6

A small improvement. The bishop closes the d-file and keeps an eye on the potential target g3.

27. **\$f1**?!

White switches to defense.

27. a4 This would have been a better choice. Now Black's expansion on the queenside would result in trading some pawns — a good strategy for the side playing for a draw. Also, White would then have the a-file for his rook.

27... **໘g8 28. Ձf2 b5!**

White has missed the moment for a4 and Black gains space.

29. b3 a5 30. 🕸 g2



Position after: 30. \$\div g2\$

30. a4?? This leads to disaster after the following. 30... bxa4 31. bxa4 罩b8

30... a4

Strong and direct play by Alekhine.

31. **፭d2**?!

Too passive.

- **A)** 31. bxa4 bxa4 32. 罩b1 This is bad in view of 32... 掌d5.
- B) 31. 罩h1 This was simply necessary. White must create some activity by seeking counterplay. 31... axb3 32. axb3 罩a8 33. 鼻e1



Position after: 33. &e1

33... 當a2+ 34. 當f1 This should hold. White would have counterplay against the f5-pawn.

31... axb3

With White's passive king driven far from the queenside, and with the black king active and well centralized together with the bishop, Black opens up a front on the queenside.

32. axb3 🖺 a8



Position after: 32... 罩a8

33. c4?

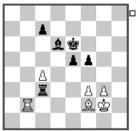
This is already a direct mistake. White cannot achieve simplification without losing material.

33. 臭e1! 基a3 34. 基b2!? This would have been a good defensive construction. Black dominates but there is nothing apparent.

33... \□a3! 34. c5?

If White must play this, then it is clear that his "strategy" has failed.

- B) 34. 罩b2 bxc4 35. bxc4 罩c3



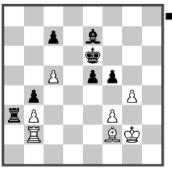
Position after: 35... 罩c3

This wins material but White would be able to fight for a draw in a rook end-game after the following. 36. c5 ②xc5 37. ③xc5 ③xc5 38. ⑤b8!

34... **≜e7 35. ≅**b2 b4!

The pawn on c5 is separated and may fall soon.

36. g4



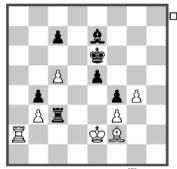
Position after: 36. g4

It is too late for this.

36... f4!

Not typical but the strongest response. This move cuts off the white king and bishop from play. Black in return has the possibility of ...e4 while the white passer at g4 is not dangerous at all.

37. 當f1 冨a1+ 38. 當e2 冨c1 39. 冨a2 冨c3!



Position after: 39... 罩c3!

The pawn on b3 is the more important one. The pawn on c5 will fall anyway. It provides a shield for the black king for now.

Black converts with no particular problems.

44. \$\document{\psi} g1 \$\document{\psi} c6 45. \$\document{\psi} f1\$



Position after: 45 \$\displant f1\$

45... ∳d5

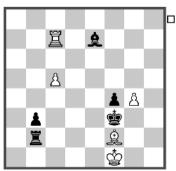
Again Alekhine prefers direct play – this time against the white king!

45... ≜xc5? This is less precise due to the following. 46. ≜xc5 ♣xc5 47. g5 There is no need to calculate the arising rook endgame.

46. ໘b7 e4 47. fxe4+

47. 罩xc7 當e6 48. fxe4 罩c2-+

47... **‡**xe4 48. **፮**xc7 **‡**f3



Position after: 48 \$\displaystyle f3

The quickest win.

0-1

Game 2	
latsis, Trifon	(2595) (2240)
	Game 2 Casparov, Garry Datsis, Trifon Caletta 1980



White is evidently better. The evaluation is clear from his better development, space advantage, active king and domination in the center.

17. **⊈e**3

Kasparov naturally removes his king from the pin and makes it more active.

17... b6?!

Natural-looking, but very static and passive.

17... e6 This was practically a necessity. 18. &c4 exd5 19. &xd5 罩d7 20. 罩hc1



Position after: 20. 罩hc1

20... 當e7 Now this would give Black chances to defend persistently.

18. **\(\beta\)** bc1!?

Kasparov decides that the other rook belongs on d1. It is a matter of style.

18... e6

Now this is not so efficient. Black has lost a very important tempo.

19. **&c4**



Position after: 19. \$c4

19... e5?

If Black must play this after he has already played ...e6, then everything is clear. Black's defensive strategy is bad – if one actually exists. No wonder Kasparov exploits it with great energy.

- A) To be fair, it is difficult to give Black good advice. 19... exd5? 20. 皇xd5 罩b8 21. 罩c7+-

20. 臭b3 臭d7 21. 罩c7 a5



Position after: 21... a5

22. d6!

It is necessary to open the diagonal to attack f7 and to place the bishop on d5.

22... b5 23. f4!

White chooses a good moment to attack on the opened f-file. Black's pieces

are stuck and cannot regroup to defend the f7-spot.

Of course. Picturesque. Take a look at White's centralized army and Black's disorganized troops.

25... a4 26. &d5



Position after: 26. \$\d20e9d5

26... a3

Black's advance on the queenside misses the mark. It is game over.

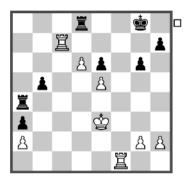
26... b4 27. 罩f1 b3 28. axb3 a3



Position after: 28... a3

This gives nothing. White would simply continue as follows. 29. \$\displays e3 a2 30. \$\displays xf7+ \$\displays g7 31. \$\displays e6\$ White has an easy win.

27. 볼f1 볼a4+ 28. ❖e3 ≗e6 29. ≗xe6 fxe6



Position after: 29... fxe6

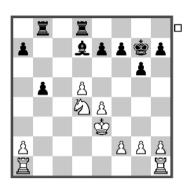
30. 當ff7 當h4 31. 當g7+ \$\displaystyle h\text{\$\displaystyle h\text

1-0

Game 3

- Amos, Bruce M
- ▲ Martz, William E
- Mayaguez 1971

White is absolutely dominant, with full control over the center, his centralized king and the natural possibility to advance his pawns to constrict Black. Black's theoretically "better" majority is useless – furthermore, advancing the b-pawn has only weakened the c5- and c6-squares.



20. 罩hc1 罩b6

21. \(\bar{2}\) a6 22. \(\bar{2}\) b7?

An inaccuracy.

22. a3 This was needed to prevent the check on a3. Now 22... b4 fails to 23. \$\tilde{\phi}\$\text{b3+-}.



Position after: 23. \$\displaysep\$f4

23... a6?

23... 罩a4! This would have kept the tension, delivering threats on the 4th rank with sufficient counterplay.

24. 罩c1!

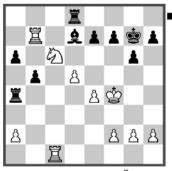
White immediately takes his chance.

24... **≦**a4

It is not the same to do it now.

25. ②c6?

This allows a nice tactical line. 25... g5 26. 當g3 臭c6, 27. dxc6 罩c8 Nothing is clear.



Position after: 25. 公c6

25. 心b3 This is also good. 25... 罩xa2 26. 冨cc7 罩xf2+ 27. 堂e3 罩b2 28. 心d4! White should win.

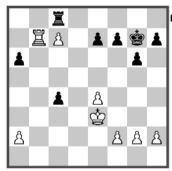
25... \(\partial xc6\)?

A fatal mistake.

26. dxc6 \(\begin{aligned} \

The only move to delay resignation.

28. \(\beta\) xc4 bxc4 29. \(\beta\)e3



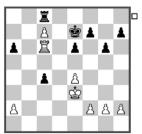
Position after: 29. \(\preceq e3\)

Of course the c4-pawn is exposed. White wins without problem.

29... e5

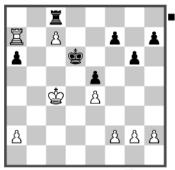
Black prevents an immediate infiltration by the white king.

29... 當f6 This would not help because of the following. 30. 量b6+ [But not 30. 當d4? 當e6 31. 當xc4 當d6 and Black can show long resistance.] 30... e6 31. 量c6 當e7



Position after: 31... \$\div e7\$

30. 堂d2 堂f6 31. 堂c3 堂e7 32. 堂xc4 堂d6 33. 墨a7



Position after: 33. 罩a7

The game is over. No further comment is necessary.

Game 4

ے	BioWaffen	(2510)
İ	Zlatanovic, Boroljub	(2407)
(4)	Playchess 2013	



Black's advantage is undisputed. The evaluation is clear, with his better pawn structure, better prospects for the rooks and the possibility for pawn play on the queenside. Despite the fact that this was a friendly blitz internet game, Black was dedicated and focused on strategy. Alas, he went in too early to build the center.

17... f6?!

Premature.

17... c5 Evidently this was a better choice. Black would deliver the powerful threat of ...c4 (after ... 罩c8). A crushing center with ...f6 can be on the agenda later.

18. exf6+ gxf6 19. 🖾 d4

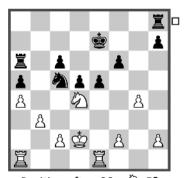
This is the point. Now whatever Black advances, the white knight would get a solid spot.

19... e5?!

19... c5 This would have been a better option. 20. ②b5 罩g8 Black keeps the advantage.

20. g4?

20... 🖄 c5?



Position after: 20... 4 c5?

Returning the favor.

20... h5! This would have given Black a huge initiative.

21. f3?!

21. ②f5+! 當e6 22. 冨ad1 冨a7 This would have been a better option for White

21... 堂f7 22. 分f5

With excellent control of the center, it is possible and timely to act on the flanks.

22... h5

Again this crushing move secures Black a lasting initiative.

23. h3 🖾 e6



Position after: 23... 2e6

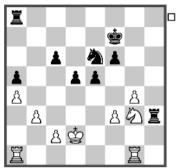
24. 🖄 g3?

24. \(\begin{align*} \begin{align*} \text{Ah1} \\ \text{This was necessary.} \\ \text{White} \\ \text{wanted somehow to force play.} \\ \text{Of course it is unpleasant to wait for the opponent to open the file - however, having such an uncentralized army against one that is so centralized means it is important to play very carefully.} \end{align*}

24... hxg4 25. hxg4 🖺 h3

Black's rooks will invade via the h-file and the game is practically over.

26. **월g1 월a8**



Position after: 26... 罩a8

Another rook joins the attack on the hfile.

27. 冨af1 冨ah8 28. ②e2 冨h2! 29. 堂e3 冨8h3

Picturesque. White's pieces are stuck in the center without any action or tasks. At the same time Black's artillery triumphs on the flank – all this is a consequence of the strong control of the center.

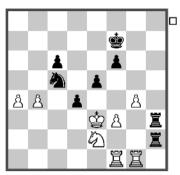
30. c3 🖒 c5

Alternatively 30... c5 with the idea of ...d4 would have been even stronger.

31. b4

An act of desperation.

31... axb4 32. cxb4 d4+



Position after: 32... d4+

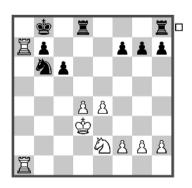
33. \$\daggeq\$d2 \$\overline{\Omega}\$xa4 34. \$\daggeq\$d3 \$\overline{\Omega}\$b2+ 35. \$\displine{\Omega}\$d2 d3

White resigned.

0-1

Game 5

- A Kotov, Alexander
- Eliskases, Erich Gottlieb
- Saltsjobaden 1952



White has accumulated some advantages: gained space and active pieces after finishing development.

However most importantly there is control of the center. With his next move White follows the motto "he who controls the center may attack on the flank", at the same time preventing any possible attempt by Black to crush the center.

23. g4

Preventing ...f5.

23... **⊈**c7

- **A)** 23... h5 This would face the obvious 24. g5.
- **B)** 23... g5 This cannot be an option because the knight may jump to the weakened squares f5 and h5.

24. f4 罩d7 25. 罩7a5!



Position after: 25. 罩7a5!

An excellent decision. The rook has more to do on the 5th rank.

25... ∐hd8

Black does not have many options, but he has a stable position. In order to accumulate more pluses White decides to provoke some weaknesses on the kingside.

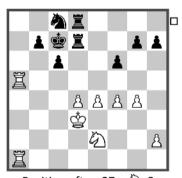
26. **\Beta**g5

26. h4 This is a good move in the same direction but with an alternative implementation.

26... f6?!

26... g6 This looks somehow more flexible and logical.

27. **罩ga5 公c8**



Position after: 27... 42c8

28. f5

This was White's intention and the point of the rook's maneuver.

28... g5!

The knight must not come to f4.

29. h4

An instinctive reaction.

29... h6

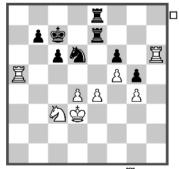
29... gxh4 30. 當h1 This does not deserve any consideration by Black.

30. hxg5 hxg5 31. 冨h1 心d6 32. 冨h6 冨e7

It may look as if Black has solid counterplay against the e4-pawn. However White has predicted the upcoming play.

33. 🖾 c3!

33. 公g3 This is not as good because of 33. 量ed7!



Position after: 33... 罩de8

34. e5!

An excellent move. Only this move gives chances to play for a win.

34... fxe5 35. 6 d5+?!

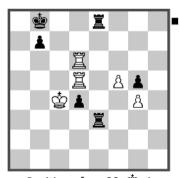
However this is already a dubious decision.

35. d5! This would have been a logical continuation. 35... e4+ 36. ♣e2 White would keep some chances.

35... cxd5 36. \(\bar{\textsq} \) c5+ \(\bar{\textsq} \) b8

36... 堂d7 37. 罩xd5 White would gain time taking the knight with check.

37. Äxd6 exd4 38. Äcxd5 Äe3+ 39. ❖c4



Position after: 39. \$\displayseq c4\$

39. 當xd4 This would give a clear draw after the following. 39... 罩8e4+ 40. 當c5 罩c3+

39... **罩c8+?**

A mistake. 39... 罩3e4! Why not this?

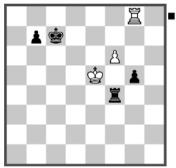
40. **\$**xd4 **\$**g3?!

This simplifies White's task.

40... **富e1** This would be met as follows. 41. f6 **富f1** 42. **冨e6!**

41. f6 볼xg4+ 42. ❖e5 볼f4 43. 볼d8?

43... \(\bar{2}\) xd8 44. \(\bar{2}\) xd8+ \(\bar{2}\) c7 45. \(\bar{2}\) g8



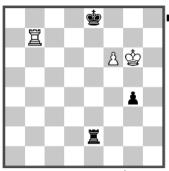
Position after: 45. 罩g8

45... ⊈d7?

Black errs at last and the game is over now.

45... 볼f1! 46. 堂e6 볼e1+ 47. 堂f7 堂d6 This would lead to a study draw.

(see diagram next column)



Position after: 50. \$\frac{1}{2}g6!

Black resigned.

1-0

	Game 6	
å ≜ ③	Jussupow, Artur Khalifman, Alexander Ubeda 1997	(2665) (2650)



White is obviously better. His pawn center is very powerful and creates a perfect shield for his pieces and king. Black does not have a well organized army at the moment.

16. **≜**a6

White gets control over the c8-square, fighting for the c-file.

16. 當hc1 Another logical approach with the idea to directly switch to a minor piece endgame.

16... 當c7 This would be worse. 17. 當hc1 當xc1 18. 當xc1 White keeps a clear plus after gaining a serious advantage.

17. 罩hc1 臭c8



Position after: 17... &c8

18. <u></u>\$d3

With an advantage in space and mobility, it is useful to keep the pieces on the board

18... **≜b7** 19. **≦c7 ≦ac8** 20. **≦bc1**

20... 罩xc7 21. 罩xc7 罩c8



Position after: 21... 罩c8

22. ጃxc8+

22. 볼xe7? ዿf8 23. 볼e5 [23. 볼d7? ዿb4+ 24. ��d1 ዿc6-+] 23... ዿb4+ 24. ��d1 ዿc6∞

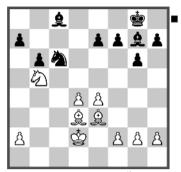
22... 💃 xc8

The situation is defined. White has kept his bishops on the board but the rooks are gone. White has a stable advantage due to his better mobility and more space. All of this is due to the powerful pawn center. However White must take care with any further exchange of pieces – Black traditionally has the better majority. In this firmed situation centralization and space would prevail over the majority.

23. 🖄 c3

Eyeing the b5- and d5-squares.

23... 🗓 c6 24. 🗓 b5



Position after: 24. 4 b5

White has the idea to provoke an advance of the black pawns which will make infiltration easier.

24... &a6 25. &c3 &f8?!

The king goes toward the center, although Black should have started with something more careful.

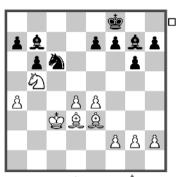
25... e6!? Another logical move. Black would try to prevent White's further expansion and reactivate his bishop via f8.

26. a4!

This pawn is safe here and liberates the bishop.

26... 💄 b7

(see diagram next column)



Position after: 26... \$b7

27. g4!?

A well-known approach from the previous game. White expands on the king-side according to the principle of playing on the side where he is stronger, at the same time preventing Black's crush with ...f5.

27... 🛊 e8 28. 🌡 c4

Better is 28... 2c8 with the idea of targeting the white phalanx and reactivating the bishop.

28...**⊘**b8 29. **∲**d3

Of course not 29. 🖾 xa7 🚊 xe4.

29... a6

The knight is under attack. White has provoked ...a6 and now targets the b6-pawn.