Jesus de la Villa

# The 100 Endgames You Must Know Workbook

Practical Endgames Exercises for Every Chess Player

New In Chess 2019

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# Introduction

'Learn from the mistakes of others. You can't live long enough to make them all yourself.' - Eleanor Roosevelt

#### **Background and motivation**

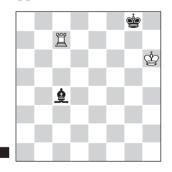
My endeavours in the world of endgames extend over a period of many years as a trainer, and represent a continued effort to help learners improve their skills in this all-important and all-decisive phase in a game of chess. Since the improving player often struggles to remember certain key ideas or manoeuvres, or – more often – fails to execute the acquired theoretical knowledge in their games, I have developed specific training methods designed to explain these positions in the clearest possible way. All too often have I witnessed the following tragic scenario unfold: a player, having learned a theoretical endgame by heart, becomes so confident that he assumes such a position can hold no secrets to him. But then he gets the position on his board in a tournament game – sometimes even the very next day after training – and disaster strikes.

Interestingly, the decisive blunder is usually not a 'novelty', but rather a typical violation of endgame theory seen in some earlier game(s), occasionally even perpetrated by this or that decorated chess star. As Tartakower once famously remarked: 'All blunders are all there, waiting to be made.' Perhaps I am justified in adding an Orwellian twist to this and state that 'all blunders are equal, but some are more equal than others.' Database statistics certainly support this claim; some endgame positions reveal a much higher victim rate than others. Aspiring chess players, therefore, are well advised to become acquainted with these common pitfalls. In my experience, the best way to train these endgame positions is by solving exercises such as the ones in this book, as this approach greatly helps you recognize certain key ideas in your own games.

The quote above, by the First Lady of former US president Roosevelt, is not meant ironically, but genuinely echoes my recommended approach to endgame study: seeing where and how others went astray greatly accelerates your own learning process. Therefore, besides carefully analysing the positions in this book, I would encourage you not only to examine any flawed play produced in your own games, but also to look at games of friends at your chess club or at other boards in the tournament, if you happen to be playing one. Moreover, don't stop once you've figured out what went wrong; also try to understand why it went wrong, what might have been tried, or what ought to have been the outcome with correct play.

Most chess players are human beings, endowed with human qualities. They smile at the tragedy of other chess players, and say to themselves: 'That would never happen to me.' A highly dangerous presumption!

One such example is a game from the 2014 U18 European Championship in the city of Batumi, Georgia, played by the extraordinary Spanish talent Jaime Santos Latasa. In a crucial game that could have earned him the title, Jaime first spoiled a promising middlegame position and then, disappointed about the way the game had developed, played an endgame – that everybody knew was still a draw – on autopilot. The expected result would have earned Jaime the bronze medal (his opponent would be silver medallist, while the Russian player Daniil Yuffa would win gold). But then this happened:

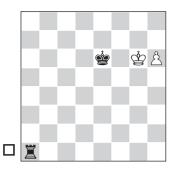


# 78. 读f7! 读h7 79. 罩g5! 读h6 80. 读f6! 象c6 81. 罩c5 象d7 82. 罩c7 象g4 83. 罩c2 1-0 Boruchovsky-Santos Latasa, Batumi 2014 (9).

Thus, Boruchovsky became European Champion, Yuffa ended as the runner-up, while Jaime Santos dropped to fourth place.

Errors such as the one in this game are usually the result of fatigue, time trouble, or some psychological weakness such as disappointment, apathy, or a sudden distraction. While these human factors can never be ruled out in a practical game, thorough study of the endgame can – and does – help players prevent blundering away a theoretical draw or win in the vast majority of cases.

The following well-known diagram represents, I believe, the most important position in the endgame rook vs. pawn. Adrian Mikhalchishin, I am sure, would agree with me, as he presents this position in the first diagram in Chapter 1 of his book Mastering Basic Rook Endgames. Many games have reached this position, and the current one continued as follows:

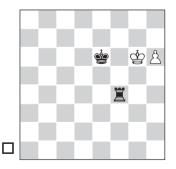


#### 55.h7?

The correct move is 55.當g7. 55...**這g1+ 56.當h6 當f7 57.h8**心+ 當**f6** 58.當h7 **這g3 0-1** Alfaya Marcelo-Martin Duque, San Sebastian 2014.

This shows it's never too late to spoil a perfectly tenable game, even in simplified positions.

If you are a sceptical nature, and feel inclined to retort 'hang on, this was only a young player, rated below 2000 Elo', well, allow me then to show you another example, from a game Kotronias-Sandalakis, Nikaia 2016:

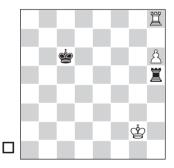


This is essentially the same position. Here, White played **64. 'g7** (Kotronias, one would assume, knows exactly what he's doing) **64**... **道g4+ 65. 堂f8 道f4+ 66. 堂g7 道f7+**, reaching the following position:



#### 67.향g8?? 향f6 1-0

So there was another trick, victimising an internationally titled chess heavyweight. Or how about the following example taken from an ultimate elite contest:



This position occurred in a tiebreak game Gelfand-Anand for the World Championship, Moscow 2012. White could have broken Black's only resource, Vancura's Defence, even with a tempo to spare, for example **61. \$g3 \$b7 62. \$g4** and White wins.

But here, White instead played 61.邕h7?? and after 61... 當d6 Black got his king closer, drew the game, and retained his world title. Many more examples of such technical mishaps, or as Dvoretsky called them 'tragicomedies', are presented and analysed in this book to help you improve this crucial phase in the game of chess.

Solving diagram positions from a book is not the same as solving problems over the board, but more often than not, having done one's homework will give a player that decisive edge at the moment of making a crucial decision. While doing these exercises, I recommend you try imagining you are playing a real game. This will help you make decisions in the most realistic – and best – frame of mind.

Some learners complain: 'Is it really worth studying all endgame positions? What if I never get any of them on my board in a tournament game?' At first, such concerns appear to make some sense, and this reminds me of a strong FIDE Master confessing to me that, as a junior, he once had to deliver checkmate with bishop and knight vs. lone king, and failed. Embarrassed, he went home to study every detail of this endgame, and swore revenge: someday, he would prove that he could do it. At the time of his confession, some 20 years later, the moment still hadn't come, though, and who knows he might never get another shot at redemption. So, was his study time wasted? I would argue that it was not. Determined chess minds usually come back stronger from hardship, by discipline and rigorous analysis. Therefore, even if the statistical likelihood of you getting every position contained in this book in real games were nil, I would still whole-heartedly recommend you analyse all positions carefully; there is no better recipe for significant chess improvement.

I am a firm believer in the instructional value of real game examples. It seems to me that the essence of our human condition is that to understand an ordeal, we have to be subjected to it. Theoretical knowledge alone is not enough. Therefore, all the positions in this book were taken from real games, mostly featuring strong players. Throughout this book, however, you will find examples, too, of games between average players – even beginners – particularly where these positions reveal some instructive or common mistakes. I am aware that not every blunder made on the chessboard makes it into the databases, while many others are yet to be 'found', in the Tartakowerian sense of the word; such might well be the object of my future research. The present publication, I believe, is an accurate collection not only of the most important endgames you must know, but also of the most frequent errors players of all levels commit in these positions.

#### How to use the material in this book?

Solving the exercise requires two things: an effort to calculate properly and accurate theoretical knowledge of the relevant endgame. In each

exercise, the reader is asked to answer one specific question. The most common question is whether the position is winning or not. Another typical question is to choose between two or more options, an approach I personally like very much, as it mimics the decision-making process during a real game. In such positions, you should particularly look out for any subtle hidden resources. I might also ask you to assess the consequences of some simplifying operation, which is such a common occurrence in a chess game, and one which often requires mature decision-making. (To become proficient in the art of simplification, I highly recommend the books Liquidation on the Chess Board by Joel Benjamin, as well as The Correct Exchange in the Endgame by Eduardas Rozentalis.) A few times I ask you to give all the winning moves in a position, not out of any practical necessity (one winning move is more than enough in a practical game), but with the aim of reinforcing your theoretical knowledge of the endgame in question. When you work out the answers to such questions, calculation takes a back seat, and the error rate in practical play is usually much lower.

In each chapter, the exercises are organized in increasing level of difficulty: while the first ones should pose few problems for the average player, the ones at the end of each chapter are likely to challenge even a seasoned chess master. Therefore, each player can work through this book focussing on positions suitable for their level. For less experienced players, my recommended approach is this: solve only the first half of each chapter, and leave the rest for some later stage of your chess improvement. By contrast, I would advise stronger players to start at the end and work their way through the chapter in reversed order, stopping once you feel the problems become as easy as eating your favourite sweet baked food at an outdoor lunch. I recommend that all players, regardless of their Elo, repeat any positions they weren't able to figure out, within one year.

I am aware that level of difficulty is to some degree a subjective matter: a player who happens to have studied a particular endgame before might have no problem solving even the more difficult problems on the topic, whereas a player making his first footsteps into new endgame territory might struggle to find the basic ideas. For this reason, I have decided against awarding some sort of 'star system' to indicate the level of difficulty to each problem, which might only mislead you. What I have sometimes provided, though, is statistical analysis to show, for instance, the frequency of and average score in certain positions.

To all exercises I have attached a highlighted reference to the corresponding endgame presented in 100 Endgames You Should Know, including exercises relating to the Appendix on fortresses. Please note that not every single endgame that was covered in 100 Endgames You Must Know has made it into this book, for the simple reason that some positions produce few or no instructive mistakes in chess praxis, and have therefore been left out. Less than a handful of positions in this book are new in the sense that they received no previous coverage in 100 Endgames You Must Know. Where this is the case, I have provided detailed explanations to equip you well with all the knowledge you need to play these positions. Perhaps, such new positions will find their way into a future edition of 100 Endgames You Must Know.

A final note on terminology: some terms in the English version of this book have been updated and differ from the terminology used in 100 Endgames You Must Know. I hope the new terminology improves your reading experience.

Enjoy the journey through these exercises – I am confident they will help you become a better chess player.

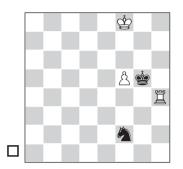
Jesus de la Villa Pamplona, January 2019

# Chapter 2

Exercise 25

Ivan Cheparinov	2681
Peter Prohaszka	2617

Croatia tt 2015 (6)

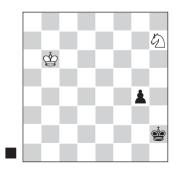


White can still win by exploiting the knight's limited ability to stop passed pawns, or otherwise win the knight by tactical means:

## 68.f6! 🕸xh4 69.f7 1-0

The knight is unable to stop the pawn, for example: 69...公e4 70.堂e7 or 69...公g4 70.堂g7!. See also **ENDING 10**.

Exercise 26	
Edmar Mednis	2405
<b>Robert Fontaine</b>	2300
Cannes 1996 (10)	



The knight can stop the pawn.

## 53...g3 54.∅g5!=

The only square for the knight (barring direct attacks on the pawn), enabling White to save the game, regardless of who is to move. **54...\ddagger g1** 

54...g2 55.心f3+! (55.當b5 當g3!-+) 55...當g3 56.心g1; the knight is in front of the pawn, thus ensuring a draw.

**55.當c5 g2 56.當d4 當f2** 56...當h2 57.沿f3+=; 56...當f1

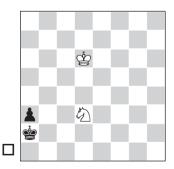
57.②h3=; 56...會h1 57.②f3=.

See also ENDING 11.

#### Exercise 27

Maria Petraki	2102
Athanasios Papadimitriou	1869

Nikea 2005 (4)



Getting the knight onto the right circuit is by itself no guarantee for a draw. Depending on the position of the enemy king, you have to choose the right square.

# 66.⊘c1+??

 Once the king lends a helping hand, things become so much easier. Notwithstanding, 67.公d3 is also good enough.

## 66...∲b1!

Now, the knight has a limited choice lest the pawn queen on its own. **67.**②**e2** 67.②b3 掌b2-+. The knight is powerless to stop the pawn. **67... 空b2! 0-1** 

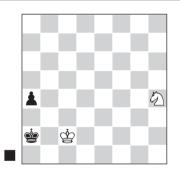
# ENDING 12

Exercise 28	
Ari Dale	

Joshua Devarajh

1085 1151

Sandy Bay ch-AUS jr 2010 (11)



The move ...a4-a3 is a fatal blunder, allowing checkmate with a lone knight:

# 63...a3??



This is an easy example, but it is striking to see how the offside knight still manages to give checkmate. While not very important from a theoretical point of view, it's interesting to see the squares (with stars) from where the knight can deliver checkmate and from where it cannot: almost all of them are dark squares, except for the corners and the ones which would bring about an illegal position; almost none are light squares except for the ones at jumping range of the b4-square. The logical 63... \$ a3 leads to a draw: 64. \$c3 \$a2=.

64.බ්f3 ෂ්a1 65.බ්d2 ෂ්a2 66.බ්e4 ෂ්a1 67.බිc5 ෂ්a2 68.බ්d3 ෂ්a1 69.බිc1 a2 70.බ්b3# ENDING 14

Exercise 29	
Graeme Spain	2200
Anthony Ker	2330
Wanganui ch-NZL 2006/07 (6)	

# 64...g3?

Black is winning, but not with this move. Now the knight is able to make it back in time, even though in the game it failed to do so. 64...a4! is the right move. It's perhaps counter-intuitive that the knight, apparently closer to the action on the e4-square, is in fact too slow: 65.堂xg4 (65.公c3+ 當b3 66.公xa4 g3!, now the other pawn does a runner, 67.公c5+ 當a3!—+. Again we see the optimal range of king vis-à-vis knight) 65...a3 66.公d2 (intending to get on track) 66...當a1!—+.



analysis diagram

Truly remarkable, yet at the same time completely logical: by stepping into the corner, the black king renders the knight's route via c4 useless. Only after playing ...a3a2 will it step out of the corner to facilitate promotion, except in the variation 67. 2e4 2b2!.

#### 65.ඕxg3 a4 66.ඕe4?

White doesn't seem to know about the rule of the correct knight circuit: 66.心e2! (toward the c1-square) and if 66...會b2, 67.心f4! (toward the d3-square) 67...會c3 (67... a3 68.心d3+=) 68.心d5+! 會b3 69.心f4 a3 70.心d3=.

#### 66...a3!

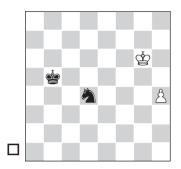
Now there is no way to get on track. 67.②c3+

67.②d2 當a1 68.②c4 a2 69.當g4 當b1-+.

## 

Exercise 30	
Vereslav Eingorn	2560
Alexander Beliavsky	2525

Kiev ch-URS 1986 (12)



With correct play, White can keep the knight at bay. The position visually contrasts with the previous diagram, where the knight was in time even though it was further away.

#### 70.ģf6!

Fending off the knight on a three-square diagonal is optimal technique: the knight would have to spend three moves to give a single check.

## 70...∕⊇c2

70...②e2 71.h5 公g3 72.h6 and the pawn will promote; 70...公f3 71.h5 公h2 72.堂f5!+-.

## 71.h5 🖉 e3 72. 🖄 g5!

Again, optimally fending off the cavalier.

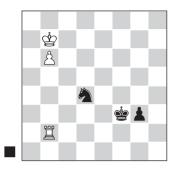
#### 72...∕⊇c4 73.h6

Beliavsky resigned in view of 73...②e5 74.h7 ②f7+ 75.鸷f6 ②h8 76.鸷g7+-.

#### ENDING 12

Exercise 31	
Veronika Rohackova	1680
Jan Dinzik	1870

Bratislava 1997 (3)



Here, we find a perfect example of how to share duties: the g3-pawn, supported by the king, must force a rook sacrifice, while the knight aims to give itself up for the b6-pawn. Both these tasks are feasible, but Black must play accurately.

#### 62...g2?

Now the knight will not be able to control the b-pawn. It was necessary to play 62...公e6! and the knight would get the job done without any problems.

## 

White returns the favour with this inaccurate move.

64.當c8! was correct, and if 64...②b5, 65.當d7+-. The same move would follow after 64...②f5; two further examples of effectively fending off an enemy knight.

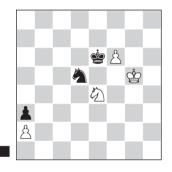
## 64...**ģf**3??

A losing blunder. The player with the black pieces was probably unfamiliar not only with the concept of lateral control, but also with the specific features of knight's pawns. 64...වැද 65.b7 විb4; 64...වf5?? 65.\$c7; 64...වe6=. 65.b7 වb5 66.\$a8! වැc7+ 67.\$a7 1-0 ENDINGS 10 & 11

Exercise 32

Jesus Nogueiras Santiago 2557 Maikel Gongora Reyes 2417

Las Tunas ch-CUB 2001 (12)



Taking on f6 was a bad decision. The move, most likely prompted by a desire to reach a draw as quickly as possible, leads to checkmate in the corner by a lone knight.

## 75....්රාxf6?

75...②e3! would have held the draw: 76.堂g6 ②g4 77.堂g7 ②xf6. Now this sacrifice is possible, e.g. 78.③xf6 堂e5 79.堂g6 堂d4 80.堂f5 堂c3 81.堂e4 堂b2 and White can't imprison the black king.

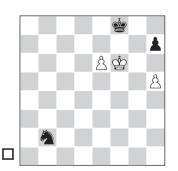
76. 公xf6 堂e5 77. 公d7+ 营d4 78. 营f4 This endgame is of theoretical importance and has been reached much more often than you might think. The white king is intent on imprisoning its counterpart once the latter captures the pawn; meanwhile, the knight is two jumps away from one of the mating squares (b3). These are the preconditions necessary to obtain a winning position.

Exercise 33 L Garcia

Sergio Navarrete Delgado

2130

Pamplona 1997



h5-h6 is the move of a player who doesn't know what it feels like to get checkmated in one of the corners of the chessboard by a lone knight.

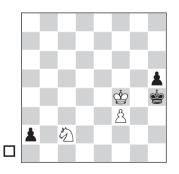
#### 56.h6?

Black is alert and moves the knight closer.

57.e7+ ģe8 58.ģg7 ģxe7 59.ģxh7?! The king is five moves away from certain death. White could have put up slightly more stubborn resistance by keeping the king next to the black pawn without capturing it. However, against correct play this also loses: 59.堂g8 公f4 60.堂g7 公e6+ 61.堂g8 堂f6 62.堂h8 堂f7! and White must face the music: 63.堂xh7 公g5+ 64.堂h8 登f8 65.h7 公f7#. **59...堂f7! 60.堂h8** 公**f4 61.堂h7 公e6 62.堂h8 公f8! 0-1** It is checkmate in one move.

ENDINGS 12 & 14

Exercise 34	
Mauricio Rios	2488
Li Chao	2674
Concord 2013	



It might appear irrelevant where White's king goes, but if he chooses the wrong option, Black can prevent the white pawn from promoting and is able, by doing some extraordinary twisting, to get the king in to harass the knight. **51. \$e3?** 

The move played in the game is wrong because the king is useless

here. It ought to be helping the advance of the f-pawn: 51.當e5! 當g3 52.f4 h4 (if now 52...當g4 53.f5 當g5 54.f6 當g6 55.當e6 and Black even loses) 53.f5 h3 54.f6 h2 55.f7 h1響 56.f8響 響h5+ 57.當d4 響d1+ 58.當c3 a1響+=.

# 51...**ģg3 52.f4 ģg**4!

52...h4? is a race which ends in both pawns queening: 53.f5 h3 54.f6 h2 55.f7 h1營 56.f8營=.

# 53.Øa1

53.當e4? is a bad idea, allowing the black pawn to queen with check: 53...h4 54.f5 h3 55.f6 h2 56.f7 h1響+.

# 53...h4 54.Øc2

54.心b3 leads to a different variation, with a different no-go area for the king: 54...h3 55.堂f2 塗xf4 56.堂g1. Now, the king can easily overcome this hindrance, as is shown in the analysis diagram:

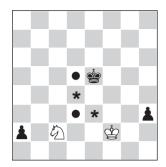


analysis diagram

56...當e5 57.當h2 當d5! 58.當xh3 當c4 59.公a1 當c3-+.

#### 54...h3 55.\$f2 \$xf4 56.2a1 \$e5 There are other winning moves, but Black already sets out to

circumvent the no-go area about to be concocted by the knight. 57.2c2

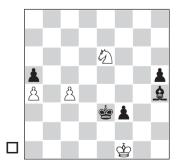


The squares e3, d3, d4 and d5 represent the no-go area for the king. **57... 솔d6! 0-1** 

Black's king easily dismantles the barrier and is in time to bully the knight. Any move not directly aimed to circumvent the no-go area in the most efficient way spoils the win, for example: 57...\$e4? 58.\$g3 \$d5 59.\$xh3 \$d6 60.\$g3 \$c5 61.\$f3 \$c4 62.\$e2 \$c3 63.\$d1 and White's king is in time to help the knight. ENDING 13

Exercise 35 Markus Stangl Schneider

Berlin 1992



The move c4-c5 is the right plan to save the game, although it involves

having to find some only moves at the end of a long variation.

# **1.c5**!

This game in not in the databases. Dvoretsky rescued it from oblivion in his book For Friends and Colleagues

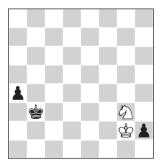
(1). The game saw 1.신g7? 요f6 2.신xh5 요d4 3.c5 (3.신g3 솔d3) 3...요xc5 4.신f6 솔d4 5.신d7 솔d5 6.솔e1 요d4-+.

## 

All these moves were forced. Now Black can move his king to different squares.

# **10**...∲b3

# 11.ģg2 a4



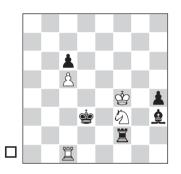
The critical position. Remember that the effective knight circuit is a2-b4-d3-c1. This last square is crucial.

# 12.Øe2!

The knight heads for the c1-square. 12...當b2 13.心f4!

Now it aims for the d3-square. 13... ුරු 14. බ්d5+ ල්b3 15. බ්f4 a3 16. බ්d3! The game is a draw. The knight cannot be prevented from getting onto the circuit again via c1 or b4. Praise the knight for this extraordinary display of skill! ENDING 12

Exercise 36	
Hana Kubikova	2180
Libuse Skazelova	2060
Ostrava ch-CSR W 1992 (3)	



Black threatens 55... 2, winning, but White can prevent this move by playing 55. 2, and later on try to win the bishop with a knight fork. There is, however, a crucial difference between playing 55. 2, directly, or flicking in a check. 55.241+?

It seems logical to push the king away, but White is actually helping his opponent get out of any knight forks.

(55... & f1! would have made White suffer a little while longer, but the result should be a draw, too, for example: 56.  $\Xi g6$  h3 57.  $\Xi d6+$  &c458. &g3  $\Xi g2+$  59. &xh3  $\Xi g7+$  60. &h4 $\&xc5\mp$ ): 56.  $\Xi xg2!$   $\Xi xg2$  57. &e1+.



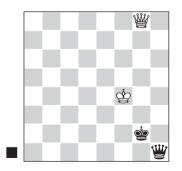
analysis diagram

And now Black's king has a choice between no less than 5 squares, but believe it or not, all allow a tempogaining knight check:

A) 57....\$e2 58.\$xg2 h3 59.\$e3 (59.\$g3? loses the pawn endgame,

# **Chapter 3**

Exercise 37	
Carlos Barrero Garcia	2302
Oleg Korneev	2649
Dos Hermanas 2006 (6)	



since White is unable to answer ...當xc5 with 當c3) e.g. 59...h2 60.创f5 h1營 61.公g3+=;

D) 57...\$c3 58.\$xg2 h3 59.\$e3 h2 60.\$d1+ \$d4 61.\$f2=;

On this remote square, the king can't be disturbed.

# 59.Øxg2 h3

Finally, the knight sits helpless on its most uncomfortable square on the board, and while it is true that the king comes to its aid, the pawn endgame is lost.

60. ෂ්g3 hxg2 61. ෂ්xg2 ෂ්c4 0-1 ENDINGS 15 & 80

The correct result is a draw, but in practice, even grandmasters have lost this position as Black, particularly after erring on the second move. **66...\$f1** 

This is correct, but the real problem is the next move. Including all possible symmetrical positions, my database shows this position has arisen in seventeen games, with White winning eleven times! It's true that Black could already blunder with 66...當f2?, allowing 67.營a2+! and it's already too late to save the game. Nonetheless, the error on the next turn is as natural as it is common. Players should try to bar such mishaps in either one of two ways: in the first place, it should be possible to calculate this endgame correctly, but, if you're not confident about your calculation skills, I suggest you learn the following useful guideline: the attacking side wins if he manages to give a horizontal check on the second rank. By the same token, if the defending side can avoid that check, he mustn't allow it.

#### 67.**鬯c**4+



#### 67...∲f2?

A common mistake. Remember the rule: avoid any horizontal checks on the second rank!

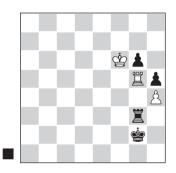
67... 當g1! is the correct move; for example: 68. 響c5+ (68. 響c1+ 當h2 and the checks run out, since on the next one, the black queen will interpose on the g2-square) 68...當h2! 69. 響h5+ 當g1 70. 響d1+ 當h2 71. 響xh1+ ½-½ Gawehns-Kaiser, Bad Homburg 2012 (in this game these move numbers were 52-56).

#### 68.營c2+

Now the queen comes closer by a series of checks until she forces the king to move to g1.

# 68....當f1 69.營d1+ 當g2 70.營e2+ 當h3 70...當g1 71.當g3 leads to checkmate. 71.營g4+ 當h2 72.營g3# ENDING 20

Exercise 38 Dolfi Drimer Leonid Stein Havana 1968 (8)



Black wins, since the white pawn will only reach the seventh rank. In fact, this is the only way to win the game.

## 73...**¤**xg5! 74.hxg5

74.\$xg5 \$g3 75.\$xg6 \$xh4 76.\$f5 \$g3–+.

#### 74...h4 75.當xg6 h3 76.當f7 h2 77.g6 h1營 78.g7 營h7!

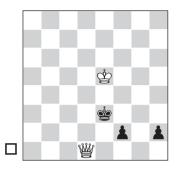
Black won twelve moves later by means of a well-known procedure: move the queen closer and closer with check until the enemy king is forced to step in front of its pawn, thus gaining the necessary tempi for the king to approach, step by step.

79.當f8 豐f5+ 80.當e7 豐g6 81.當f8 豐f6+ 82.當g8 當g3 83.當h7 豐f7 84.當h8 豐h5+ 85.當g8 當g4 86.當f8

## 響f5+ 87.當e7 響g6 88.當f8 響f6+ 89.當g8 當g5 90.當h7 0-1 ENDING 16

Exercise 39	
Valerij Popov	2579
Timur Gareev	2191
Comore 2002 (2)	

Samara 2002 (2)



56.堂d5? was a poor idea. The trick White relied on in the game, and which eventually turned out well for him, has in fact a major flaw, as the white king voluntarily abandons the winning zone. **56.堂d5?** 

56.營h1, among other moves, was easily winning, because the white king is in the winning zone (two steps away from g3, to be precise). There might follow: 56... 會e2 57.營xh2 會f3 (57... 會e1 58. 會e4+- as in the game) 58.營h1+ 會e2 59.營e4+ 會d2 60.營f3 會e1 61.營e3+ 會f1 62.會f4 會g2 63.營e2 會g1 64.會g3 and checkmate.

# 

#### 58...\$e1??

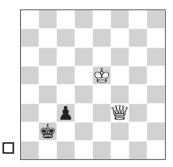
Another one bites the dust. Whether or not the player with the black pieces trusted his position, had he been familiar with – or remembered – the theoretical endgame, he wouldn't have had any problems finding 58...當f3!. 59.當e4! 當e2 60.營g2 1-0 ENDINGS 18 & 19

1921

1840

Exercise 40	
Antal Benyei	
Zoltan Dudas	

Hungary tt 2008/09



White should be careful not to give just any random queen check. **59. ₩e2+?** 

This prepares a trick which actually won White the game, but objectively, allowing the black pawn another step forward is the wrong idea since the king is outside the winning zone; now the position is a theoretical draw.

The right move is 59.豐b7+!. Perhaps White couldn't find another check after 59...堂c1 (59...堂a1 allows the queen to come closer by means of checks: 60.豐a6+ 查b2 61.豐b5+ 查a2 62.豐a4+ 查b2 63.豐b4++-), but after 60.當d4! the king has time to enter the winning zone: 60...c2 61.堂d3 當d1 62.豐h1#.

# 59...c2 60.씋d4

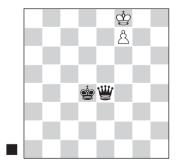


This tricky position has claimed many victims. My database reveals thirteen games with identical or symmetrical positions. Seven timed did the side with the pawn err.

60…ṡb1??

60...當a1= is the right move, as you can find out for yourself. 61.當c3 c1響+ 62.當b3 1-0 ENDING 19

Exercise 41	
Klaus Thönnessen	2155
Patrick Boos	2015
Worms 2003 (1)	



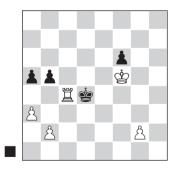
Black wins as long as he doesn't let the enemy king escape via the right side of the pawn. In the game he achieved this only because of his opponent's inexpert play. **69... \$e5?** 

Allows the white king into the corner, while Black lacks the tempi needed to bring his own king closer. The winning move is 69...營h7! 70.含e8 含e5 71.f8營 含e6 and checkmate is inevitable. **70.含e7?** 

But the king comes out via the wrong side of the pawn, a phenomenal blunder! 70.當g7! holds the draw for the reason stated above: the black king has no time to come closer. In fact, it can neither reach e7 nor g6 in a single move: 70...營g4+ 71.當h7 營h5+ 72.當g7 營g5+ 73.當h7 營f6 74.當g8 營g6+ 75.當h8=.

70... 營b7+ 71. 當e8 當e6 0-1 ENDINGS 18 & 19

Exercise 42	
Harry Schussler	2200
Ove Kinnmark	2390
Motala ch-SWE 1976 (9)	



Capturing with the pawn is misleading: while it looks as if the pawn will promote, White's king can in fact return in time to capture it, and once two new queens appear on the board, the white king will be dangerously close.

## 44...bxc4?

44...當xc4! is correct, but it is necessary to correctly assess the queen vs. two pawns endgame: 45.當xf6 當b3 46.g4 當xb2 47.g5 a4 48.g6 b4 49.g7 bxa3 50.g8營 a2=.



analysis diagram

Because of the a4-pawn, the queen can't give check on b3. Furthermore, it's impossible to imprison the king, e.g. 51.\"b8+ \\$c2 52.\"c7+ \\$b2 53.\"b6+ \\$c2 54.\"c5+ \\$b2 55.\"b4+ \\$c2 56.\"c4+ \\$b2=.

#### 45.\$xf6

Now a series of forced moves follows.

## 45... ģd3 46. ģe5 ģc2 47. ģd4 ģxb2 48. ģxc4 ģxa3 49.g4 ģb2?!

49...a4 would at least narrow down White's winning options to only one.

# 50.g5

Also winning is 50.當b5 當b3 51.g5! and the pawn promotes with check. 50...a4 51.g6 a3 52.g7 a2 53.g8營 a1營



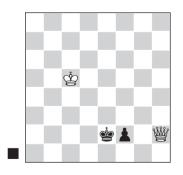
Both sides have a new queen, but White wins quickly as he is able to give a horizontal check on the second rank, as explained in Exercise 37.

#### 

54...當b1 55.當b3+-; 54...當c1 55.響f1+ 當b2 56.響e2+ reaches the game position.

55.響f3+ 含b2 56.響e2+ 含a3 57.響e3+ 含b2 58.響d2+ 1-0 ENDING 20

Exercise 43	
Marcel Kanarek	2471
Gil Popilski	2500
Warsaw 2014 (7)	



Black can make a draw, and while he did so in the game, he also showed that he didn't really know what he was doing:

# 82...ģe1?

82.... \$f3! is the right move, as we've seen in previous exercises.

#### 83.**₩h**4?

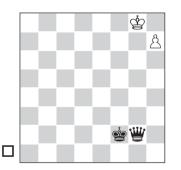
White misses his chance. After this move he has to acquiesce to a draw. Victory is achieved by 83.堂d4! f1營 84.堂e3 and mate cannot be staved off.

83... \$e2 ½-½ (106) ENDING 19

Exercise 44

Rafael Pita Romero Rodriguez2041Andres Castro Acosta2068

Formigal ch-ESP jr 2002 (8)



Is might seem as if it doesn't matter whether White plays 51.堂f8 or 51.堂h8, but once again there is a trick.

# 51.\$h8?

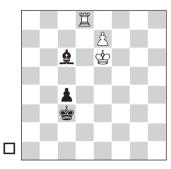
Alas, this is losing! 51.\$f8 was an easy draw.

# 51...**ģ**g3‼

Gaining two tempi to get the king closer.

Exercise 45	
Sokhib Djuraev	2354
Stephen Solomon	2378

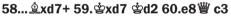
Istanbul ol 2012 (9)



There is one winning move, but it's not the most obvious one, played in the game. You'll see here an exceptional case of a queen unable to beat a pawn on the sixth rank. **58. <b>Ed7**?

A) The rook should be employed to win the c4-pawn, when the win would be a piece of cake, e.g. 58. [[c8] 2a4 59.2d5 2b5 60. [[c5+-;

B) Or 58.e8響? 盒xe8 59.罩xe8 含d4
60.罩d8+ 含e4 61.罩c8 含d4 62.含f5 c3
63.含f4 含d3 64.含f3 c2=.





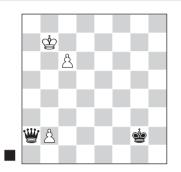
Extraordinary! The white queen has no checks.

61.響e5 c2 62.響b2 當d1 63.豐d4+ 當e2 64.豐c3 當d1 65.豐d3+ 當c1

#### 66.當c6 當b2 67.營d2 當b1 68.營b4+ 當a2 69.營c3 當b1 70.營b3+ 當a1 ½-½ ENDINGS 16 & 18

Exercise 46	
Satea Husari	2307
Leonid Voloshin	2423

Koszalin 1999 (5)



Of course Black can win: he is a whole queen up! Several roads lead to Rome, but alas, materialism can cloud a player's judgement.

# 

A) 50...響d5! is easiest, pinning the c-pawn: 51.當b6 當f3 52.c7 響a8—+;

B) 50...誉b3+ also suffices, for example: 51.堂c8 堂f3 52.c7 堂e4 53.堂d7 營d5+ 54.堂e7 營c6 55.堂d8 營d6+ 56.堂c8 堂d5-+.

#### 51.ģc8!=



Queen vs. pawn on the sixth is not always winning; particularly if the queen has no checks at her disposal, or, as is the case here, if the only check available doesn't help the attacker's cause.

## 51...**ģf3** 52.c7

Now it is queen vs. pawn on the seventh, and the result is a draw. **52... 含e4 53. 含d7 營g7+ 54. 含d8?!** 54. 含c6!, immediately heading for the queenside, would be easier. **54... 徵f6+ 55. 含d7 營d4+** 



Interestingly, White has only one move to draw. This is a different version of the trick seen above.

#### 56.∲c8?

A rather pessimistic choice. White must have been aware that the natural 56.堂e7? is losing on account of 56...豐a7 57.堂d8 堂d5 58.c8豐 堂d6 and mate is inevitable, but 56.堂e8! is good enough to hold the draw. 56...豐g7?

A series of astonishing blunders, possibly prompted by extreme time trouble. 56... ¥a7! forces checkmate as given in the variation above.

#### 57.當d8 當d5 58.c8必??

A ludicrous finish! 58.c8營 當d6 is not mate because the queen has two checks.