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100 Endgames You Must Know

Vital Lessons for Every Chess Player

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Contents

Introduction	9
1. Basic endings	27
Ending 1 The rule of the square	27
Ending 2 The pawn is on the 6th rank	29
Ending 3 Key squares	33
Ending 4 The rook's pawn. Defending king in front of the pawn	37
Ending 5 Imprisoning the stronger side's king	38
Ending 6 Rook vs. Bishop. The wrong corner	39
Ending 7 Rook vs. Bishop. The right corner	40
Ending 8 Rook vs. Knight. At the edge of the board	41
Ending 9 Rook vs. Knight. In the corner	42
2. Basic Test	45
Solutions	49
3. Knight vs. Pawn	51
Ending 10 Knight vs. 7th-rank pawn	51
Ending 11 The knight's pawn	53
Ending 12 The 6th-rank rook's pawn	54
Ending 13 The 7th-rank rook's pawn	55
Ending 14 King + Knight checkmate	57
Ending 15 The knight's dumb square	58
4. Queen vs. Pawn	59
Ending 16 Queen vs. 7th-rank pawn	59
Ending 17 Queen vs. 7th-rank rook's pawn	60
Ending 18 Queen vs. 7th-rank bishop's pawn	62
Ending 19 A too-frequent trick	65
Ending 20 Queen vs. Queen	67
5. Rook vs. Pawn	68
Ending 21 Kings do not push. Just counting	68
Ending 22 Defending king on the 3rd rank cut off along a rank	69
Ending 23 Strong king behind the pawn	71
Ending 24 Stronger side's king on one side	74
Ending 25 The rook in front of the pawn	76
Ending 26 Special themes with a knight's pawn	77

100 Endgames You Must Know

Ending 27	The rook's pawn. Pushing from the rear	79
Ending 28	The rook's pawn. Lateral push	80
Ending 29	The pawn wins against the rook	82
6.	Rook vs. 2 Pawns	83
Ending 30	Kings play no part	83
Ending 31	Both kings play a part	84
Ending 32	Only the defending king plays a part	85
7.	Same-coloured bishops: Bishop + Pawn vs. Bishop	89
Ending 33	Driving off the defending bishop	89
Ending 34	In the rear of the pawn	90
Ending 35	The short diagonals	91
Ending 36	Frontal defence	93
8.	Bishop vs. Knight: one pawn on the board	96
Ending 37	Central pawn	96
Ending 38	The rook's pawn	98
Ending 39	The pawn is on the 7th rank	101
Ending 40	Unstable position of the controlling knight	103
9.	Opposite-coloured bishops: Bishop + 2 pawns vs. Bishop	104
Ending 41	Pawns on the 6th rank	105
Ending 42	Pawns on 5th rank or behind	106
Ending 43	A very special pair of pawns. The cage	109
Ending 44	Pawns separated by just one file	111
Ending 45	Controlling both pawns along the same diagonal	112
Ending 46	The winning procedure	113
Ending 47	Knight's and central pawn	114
Ending 48	Central and rook's pawns	117
Ending 49	Bishop's and knight's pawns	118
Ending 50	The attacking bishop controls the promotion square of the knight's pawn	119
Ending 51	Central and rook's pawns	120
10.	Rook + Pawn vs. Rook	123
Ending 52	The Philidor Position	124
Ending 53	Lucena Position. The bridge	125
Ending 54	The long side	127
Ending 55	The knight's pawn. First-rank defence	128
Ending 56	Central or bishop pawns. Kling and Horwitz (K&H) defensive technique	129
Ending 57	Central 6th-rank pawn. Rook with distant effectiveness	132
Ending 58	Central 6th-rank pawn. Rook without distant effectiveness	134

Ending 59	Cutting off along one file	136
Ending 60	Defending king cut off by two files. Grigoriev's combined method.	138
Ending 61	King cut off along two files vs. long side. Mating themes . . .	140
Ending 62	Perfect Cut along a rank	141
Ending 63	Imperfect Cut along a rank	143
Ending 64	Apparent Cut along a rank	144
Ending 65	Pawn on the 7th rank. Attacking rook in front of the pawn . .	145
Ending 66	Pawn on the 6th rank. The Vancura Defence	146
Ending 67	The king is in front of the pawn and the pawn is on the 7th rank	150
Ending 68	The rook and the king support the pawn.	152
11. Rook + two Pawns vs. Rook		153
Ending 69	Central pawns	153
Ending 70	Knight's pawns	155
Ending 71	Defending king cut off on the back rank.	157
Ending 72	Bishop's pawn on 5th rank	158
Ending 73	The defensive procedure	160
Ending 74	Blocked connected pawns.	165
Ending 75	Attacking rook stuck in front of the 7th-rank pawn	167
Ending 76	Vancura Defence against 2 pawns.	168
12. Pawn endings		169
Ending 77	Doubled pawns	169
Ending 78	Isolated pawns.	170
Ending 79	Blocked pawns. Key squares.	172
Ending 80	Less advanced (or rook's) blocked pawns.	174
Ending 81	Pawns on adjacent files	177
Ending 82	Passed pawns. Dual-purpose king manoeuvres.	177
Ending 83	Rook's pawns and one distant passed pawn	181
Ending 84	The passed pawn is central and near.	184
Ending 85	A passed Bishop's pawn on the same wing	187
Ending 86	The defending side has moved his pawn. Triangulation.	188
Ending 87	Knight's and rook's pawn against rook's pawn.	190
Ending 88	King against 2 passed pawns.	196
Ending 89	Protected passed pawns.	198
Ending 90	Distant passed pawns	200
Ending 91	Doubled pawns	201
Ending 92	Breakthroughs when the king is far	202
13. Other material relations		204
Ending 93	Checkmating with Bishop and Knight	204
Ending 94	The king is on the edge	209

100 Endgames You Must Know

Ending 95	The king is far from the edge. Cochrane Defence	213
Ending 96	Second-rank defence.	217
Ending 97	Rook + 6th-rank bishop's pawn	219
Ending 98	Rook + rook's pawn vs. Bishop	221
Ending 99	Queen vs. Rook + Pawn	224
Ending 100	Queen vs. Rook + Rook's Pawn	227
14. Final Test		229
Solutions		236
15. Appendix		243
Bibliography		251

5. Rook vs. Pawn

This is one of the most important chapters in this book, and the most important in this section about a piece fighting against a single pawn. Experience shows that rook endings are the most common endings in practice, and also the most complex, and that is why the chapter on rook endings is the longest in the book. Besides, many rook endings end up in a Rook vs. Pawn(s) ending when one of the players is forced to give up the rook for a passed pawn.

On the other hand, this struggle is much more complex than Queen vs. Pawn or Knight vs. Pawn, because any complexities in those are restricted to positions where the pawn is on the 7th rank or, exceptionally, on the 6th. But in Rook vs. Pawn endings, the struggle can be complex regardless of which rank the pawn stands on.

An experienced player who knows the themes and has time on the clock can calculate every single line with accuracy; however, sometimes it is not that easy. In any case, if the player is not familiar with the subtleties hidden in this ending, the task is simply impossible.

ENDING 21 Kings do not push. Just counting

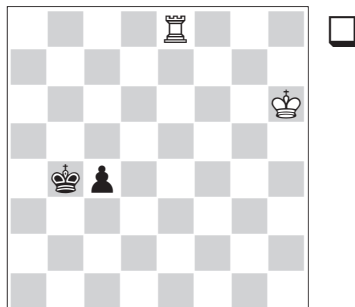
In order to solve these endings, the first approximate method is counting tempi: for the attacker, the tempi needed for both rook and king to control the promotion square; for the defender, the tempi needed for the king to secure promotion and for the pawn to reach its goal.

Unfortunately, this simple technique only works when no special circumstances alter the calculation, and that hardly ever happens in this ending.

A typical scenario where simply counting works occurs when the kings stand at different sides of the pawn; nevertheless, great care is needed even in those cases.

In the diagram position the kings will not meet, rook checks do not win tempi and there are no more special circumstances. That is why a simple count works. White needs 5 tempi to control the promotion square with both king and rook, whereas Black needs 5 tempi to promote. The conclusion is clear: if White is to move, he wins; if Black is to move, he draws.

Position 5.1



1.♔g5!

If he had the move, Black could draw by 1...c3 2.♔g5 c2 3.♖c8 ♔b3 4.♔f4 ♔b2=.
1...c3 2.♔f4 c2 3.♖c8 ♔b3 4.♔e3 ♔b2 5.♔d2 and White has arrived in time, as our simple counts had anticipated.

Everything looks easy but, even in this position, if White changes the move order and starts 1.♖c8?, Black can interfere with White's plan and draw thanks to a brilliant move: 1...♔c3! We will see the virtues of this move further on.

In practical play, things are hardly ever that easy. In the next examples we will discover the different resources both sides have at their disposal in order to 'interfere with the natural course of events'.

Kings push... a bit

This position is very easy to solve, on the basis of the same principles as the previous one. With this we can complete our view of the issue. Euwe studied these positions in the 1930s and stated that, in 5.2, White only draws when the king occupies one of the marked squares, and wins in any other case. For instance, in this diagram it takes the king 5 tempi to arrive on time to control promotion, whereas Black needs 4 to secure it. That means White arrives on time if he has the turn.

The study of this diagram makes us think that there is a large area where a simple count works. It can work even if the king is on the same file as the defender, unless his way is blocked, as here.

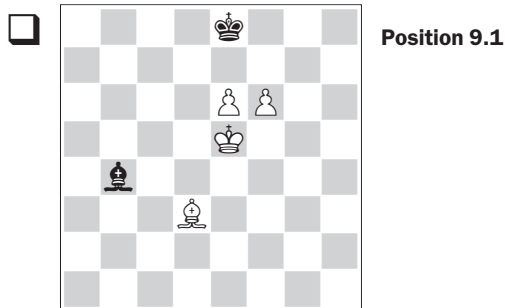
1.♔e6 e3 2.♔d5 e2 3.♔d4 ♔f3 4.♔d3 ♔f2 5.♔d2 1-0

ENDING 22 Defending king on the 3rd rank cut off along a rank

When the king and his pawn are still further from promotion (in general, whenever they have not crossed the middle line of the board), cutting off the king is a very important resource: if it works, the rest does not matter.

Cutting the king off is very useful when the defender's king is on the third rank, and it wins straight away when we are dealing with a rook's pawn or when the king

ENDING 41 Pawns on the 6th rank



On the 6th rank, the pawns usually win. The winning procedure is quite easy, but it is worth noting in order to become familiar with the required technique.

The white pawns cannot advance: not to e7 because then Black would give up his bishop for the two pawns, and not to f7 because then both pawns would be blockaded on squares of the same colour as the white bishop. This blockade is impossible to lift and is one of the trademarks of opposite-coloured bishop endings. So White cannot think of advancing the pawns, and instead they have to stay on the 6th rank, until the right moment comes to move e6-e7.

The plan consists of two clear stages:

1) A bishop check to force the enemy king to define his position...

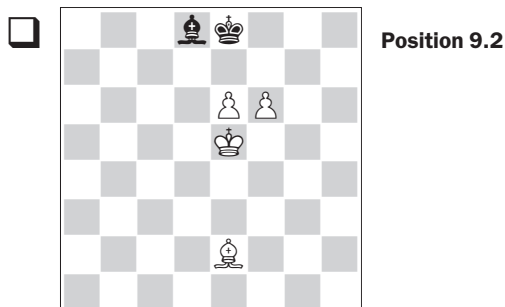
1. ♖b5+ ♔d8 (if 1... ♖f8, White carries out the same plan on the other flank: 2. ♖d5 ♙a3 3. ♖c6 ♙b4 4. ♖d7 ♙c5 5. e7+) **2. ♖f5**, and:

2) The attacking king outflanks his opponent.

This plan would not be possible with the black king on f8 and the black bishop on d8, but then White could lose one tempo and Black would be in zugzwang. We will see this in our next example.

2... ♙c5 3. ♖g6 ♙b4 4. ♖f7 ♙c5 5. e7+ 1-0

The bishop in front of the pawns

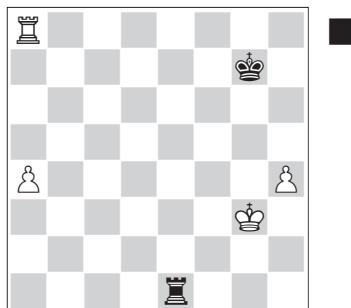


Fifth scenario

ENDING 76 Vancura Defence against 2 pawns

This is probably the least-known scenario, though the most common in practice.

Position 11.14



There are some drawing positions involving a- and h-pawns, the most important one being an extension of the Vancura Defence.

1...♖e4!

The only move to draw. This move is very important: Black adopts a Vancura defensive set-up and prevents the white rook from coming out of its passive position in front of the pawn.

From now onwards, defence is quite easy, as White cannot really make further progress. On the other hand, if Black adopts a wrong defensive set-up, White wins rather comfortably. If you quickly check your database, you will see that the latter is the most frequent scenario in practice.

1...♖a1? 2.♗f4 ♕h7 3.♗e5 ♗g7 4.a5 ♕h7 5.a6 and, as we know from **Ending 66**, White wins even without the h-pawn.

2.a5

Or 2.h5 ♕h7 3.♗f3 ♖h4 4.♗e3 ♖xh5 (Black captures the pawn and has time to set up the correct defence) 5.♗d4 ♖g5 6.♗c4 ♖g4+! (only move!) 7.♗b5 ♖g5+ 8.♗b4 ♖g4+ 9.♗c5 ♖f4 – Vancura.

2...♖e5!

Keeping the Vancura Position.

3.♗f3 ♖h5 4.♗g3 ♖c5 5.a6 ♖c6! 6.♗f4

As soon as White pushes the a-pawn one step further, the black rook will be transferred to the rear of the pawn and we will reach **Ending 75**.

6...♗h7 7.♗e5 ♖b6 8.♗d5 ♖g6 9.♗c5 ♖f6 10.♗b5 ♖f5+! 11.♗b6 ♖f6+!

When the white king moves far from the a-pawn, the series of checks may end. There is no way to make progress.

ENDING 96 Second-rank defence

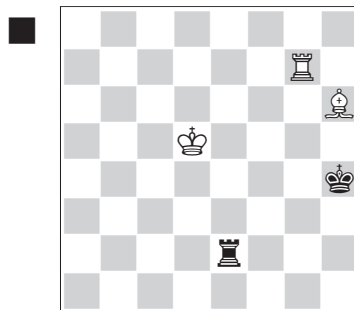
As we have stated, the Cochrane Defence works extremely well on the central files, and it is rather easy to achieve from a normal position.

When the starting position of the king is more delicate, or when a careless defence makes it impossible to use the main defensive method, it is sometimes still possible to adopt the so-called second-rank defence.

This is a simple and unbreakable defensive set-up, despite its somewhat worrying appearance.

The second-rank defence consists in placing both rook and king on the second rank. When a check forces the king to the first rank, an immediate rook-swap offer emerges on the board, which allows the king to come back to the 2nd rank on the following move. The king may also be forced to the first rank by means of zugzwang, but then the defending side can hold thanks to stalemate resources.

In the following position, the black king is already locked on the edge of the board. Though no concrete threats can be seen, he may end up in the Philidor Position if he is not careful. It is time to use the second-rank defence.



Position 13.16
García González -
Balashov
Leningrad 1977

1...♔h3!

Instead of playing neutral moves which may lead to dangerous positions, Black immediately seeks a defensive procedure. The idea is ...♖g2.

2.♙f4 ♖g2 3.♗h7+ ♕g4 4.♕e4

This is one of the basic positions of the second-rank defence. Although Black has apparently fallen into zugzwang, he has a simple way to hold. The fact that the situation is extreme can help us find our way, but even experienced players may go astray in this ending.