

**TEST YOUR
ENDGAME ABILITY**

**AUGUST LIVSHITS
JON SPEELMAN**

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INTRODUCTION

This book is a collection of studies for the practising chessplayer. It is markedly different from more ordinary collections since the studies here are intended, first and foremost, to help the reader to improve his endgame play. Thus, the book can be considered to be a text book and a reference work.

By working through and solving the examples, the reader will be helped to improve his powers of calculation: moreover, he will meet and master many new ideas and theoretical positions. One often hears about endgames in which one of the players missed a 'study-like' way of winning or drawing the game. As a rule, this will consist of an unexpected manœuvre or a hidden resource. More important than the half or whole point lost could be the bad effect on the psychology of the player, who may lose some of the vital self-confidence necessary to play chess.

A significant proportion of the examples are from the great masters of study composition: Troitsky, Kubbel, Rinck, Grigoriev and V. and M. Platov. However, along with the artistic studies there are also some didactic ones. In the more complicated examples, the solutions consist not only of the main line but also relevant subvariations.

Unfortunately the great majority of published studies have absolutely nothing in common with practical chess-playing as they start from unnatural and unwieldy positions. As a result, not only average but even strong chessplayers tend to know very little about studies, viewing them sceptically and undervaluing their significance. The reader will not find such examples in this collection. We are sure that through this book, the reader will increase his aesthetic feeling for chess and enrich his chess imagination. Moreover, for many who have never before met this facet of chess, it will open up totally new vistas.

How to Use this Book

Each group of six positions constitutes a test with a total time allocated for the set. Set up each position on a board, but do not move the pieces. Write down what you consider to be the best play for both sides. After you have done each group compare your answers with the solutions overleaf; marks for each study are indicated and you should deduct marks for each major error or omission. The total marks for each group of six positions are indicated and you should convert your score into a percentage and compare it with the rating table below. To obtain an accurate rating you should do at least ten tests, at least one from each chapter, and average your results. If you take longer than the time allowed for each test, deduct one mark for each five minutes you run over.

Rating Conversion Table

<u>%</u>	<u>BCF</u>	<u>ELO</u>
100	275	2800
90	250	2600
80	225	2400
70	200	2200
60	175	2000
50	150	1800
40	125	1600
30	100	1400
20	75	1200
10	50	1000

one

PAWN ENDINGS

The English chess historian and collector of all kinds of chess curiosity, H. J. R. Murray (1868–1955) included in his excellent work *A History of Chess*, published in 1913, an account of the development of chess compositions. In his collection Murray had a sizable number of manuscripts dating back to the 13th - 15th centuries. All these were of Western origin, though the name applied to the diagram positions, 'mansuba', is obviously of Arab origin. In Murray's work there are more than fifty 'mansubat'. Usually 'mansubat' appeared anonymously. The composers wished to convince the (gullible) reader that they were actual game positions and not composed. And for greater authenticity, as a rule material equality was maintained. However, in Murray's collection there were only two positions with only kings and pawns on the board.

The reader should not be surprised by this since the rules of ancient chess or Shatranj were considerably different from ours. It took a very long time for chess to develop into

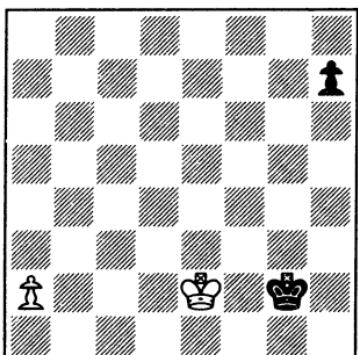
the modern form. The oldest surviving book on modern chess is Lucena's, 1497 entitled *Repeticion de amores e arte de axedrez con cl iuegos de partido*. As the name implies, the book was not devoted to chess alone! At the end of the work there are 23 compositions and endings, though not one pawn ending is included. It is interesting that there was no further mention of this book until 1745. In 1512, Damiano's book *Questo libro e da imparare giocare a schachi et de li partiti* was published. There is a chapter devoted to problems, studies and endings. This includes 50 examples of which four are pure pawn endings. In 1561 Ruy Lopez published *Libro de la invencion liberal y arte del juego del Axedrez* in response to Damiano's book. The last chapter on the 'end of games' contains 100 diverse endings, many included from Lucena and Damiano: some pawn endings are included. At the end of the 16th century and the beginning of the 17th a number of chess books appeared in Italy and most are very derivative and hence have only historical

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interest. But one should note the work of Polerio (1548-1612), who wrote a number of opening manuals, and Carrera (1573-1647).

One of Polerio's works lay fallow until 1874 when it was discovered by A. Linde, the Dutch chess historian. To give the reader an idea of the standards of the time, here are two examples.

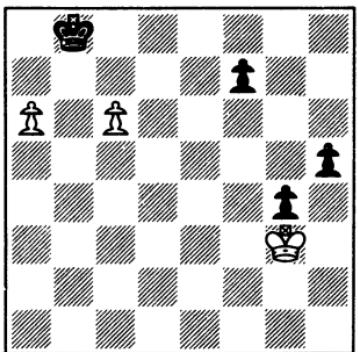
D. C. Polerio, circa 1590



Black to move, White wins

1... h5 2 a4 h4 3 a5 h3 4 a6 h2
5 a7 h1(+) 6 a8(+) + ♜g17 ♜a1+
♜h2 8 ♜h8+ ♜g2 9 ♜g7+ ♜h3
10 ♜h6+ ♜g2 11 ♜g5+ ♜h3 12
♜h5+ ♜g2 13 ♜g4+ ♜h2 14 ♜f2
and wins.

P. Carrera, 1617



White wins

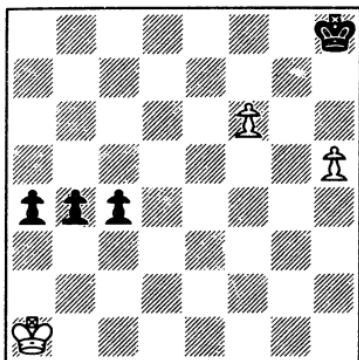
1 ♜f4 f6 (1... f5 2 ♜g3! wins)
2 ♜g3 f5 3 ♜g2 (3 ♜f2 or 3 ♜h2
also win. Bad is 3 ♜f4 h4 4 ♜e3
h3 5 ♜f2 h2 6 ♜g2 g3 7 ♜h1 f4
8 ♜g2 f3+ 9 ♜h1 f2 10 ♜g2
h1(+)+ 11 ♜xh1 f1(+) mate)
3... h4 (3... f4 4 ♜f2 g3+ 5 ♜f3
h4 6 ♜g2) 4 ♜h2 f4 (4... g3+ 5
♜h3 f4 6 ♜g2 or 4... h3 5 ♜g3
f4+ 6 ♜h2 f3 7 ♜g3) 5 ♜gl! (5
♜g2? g3 6 ♜f3 h3 wins) 5... h3
(5... f3 6 ♜f2 h3 7 ♜g3) 6 ♜h2
f3 7 ♜g3 h2 8 ♜xh2 f2 9 ♜g2 g3
10 ♜f1 wins.

In 1656 Greco's manuscript was published – unfortunately posthumously. This has a significant section on the endgame. There are eight different pawn endings. Greco analysed many examples of 'the opposition' and tried to derive general conclusions. In 1749 Philidor published his book in London but it was in French – *L'analyse du jeu des Echecs*: an English edition did not appear until 1750. Philidor analysed various endings including rook and bishop against rook, rook and pawn against rook, queen against rook and rook against pawns, which hitherto had not been investigated. Pawn endings also received further attention.

In 1769 *Il giuoco incomparabile degli scacchi* was published anonymously in the Italian city of Modena. This was followed by a second revised edition 13 years later. The author turned out to be a priest and law lecturer Domenico Lorenzo Ponziani (1719-96). His work

was a distinct improvement on that of his predecessors. It consists of three parts with one devoted to the endgame. Some of his analysis holds good today. Compare Ponziani's study below with Carrera's above. The same idea appears, but in a better setting.

D. Ponziani, 1769



White wins

1 h6 ♜g8 2 ♜b1 a3 3 ♜a2+— or 2 . . . b3 3 ♜b2+— or 2 . . . c3 3 ♜c2+—.

One can follow the further development of this theme in study No. 17 — Betinsha. The idea is successfully elaborated and hence the study has gained. Readers may be interested to learn that composers borrow ideas and rework and elaborate on them as a result of which completely new studies emerge. We shall be able to follow the process in the course of the book.

The first collection solely of studies appeared in London in 1851 under the authorship of Horwitz and Kling. This was reprinted and revised in 1884 and 1889. Many of their studies

are still topical today. We, of course, include some of their positions, which tend to be didactic rather than æsthetic. Several of their studies are pawn endings.

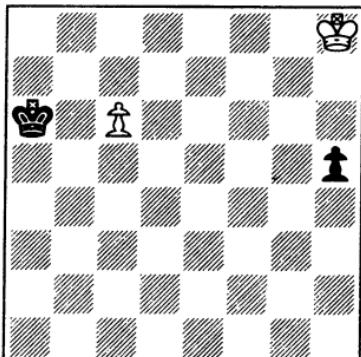
A. Troitsky, who lived from 1866-1942, is usually considered the founder of the modern movement of chess composition. However, in comparison with other fields, his impact on pure pawn endings is rather slight. Probably the most prolific composer in that field is N. D. Grigoriev, 1895-1938. From the time of his very first study in 1917 to his death, he remained devotedly faithful to this area. Other composers who have made a great impact in the field of Pawn Endings are L. I. Kubbel 1889-1941; H. Rinck 1870-1952; R. Réti 1889-1929; T. Gorgiev 1910-1976; V. Platov 1881-1952; V. Chekhofer 1908-1966; A. Herbstman 1900-1982 and G. Nadareishvili 1921-. One must make it clear that the input of these composers has far from exhausted the subject. For anybody wishing to investigate pawn endings further we recommend *Pawn Endings* by Averbakh and Maizelis, translated and published by Batsford in 1974.

Even in the 'simplest' endings, King and pawn v King or King and pawn v King and pawn there are difficulties and you must not expect the solution to present itself without some work. For instance, Réti's study below will probably be

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familiar to most readers.

R. Réti, 1921



White to move and draw

1 ♕g7!! h4 2 ♕f6 h3 (2 ...
♕b6 3 ♕e5! ♕×c6 4 ♕f4 =)
3 ♕e6! h2 4 c7 ♕b7 5 ♕d7=.

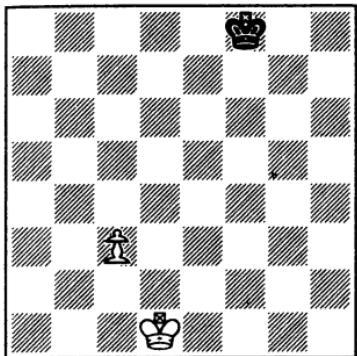
Simple and brilliant. Not knowing the idea or having experience of solving studies, this would be a hard nut to

crack. The idea has been used by a multitude of subsequent composers.

We are sure that after working through this collection the reader will noticeably improve the quality of his endgame play. He will have learnt many new devices in the endgame such as triangulation (losing a move), how to play for zugzwang or stalemate; how to keep the opposition and many other ideas which so enrich the endgame. Moreover, the reader will learn to appreciate the importance of accuracy in the endgame. Although mistakes in the opening or middlegame can often be corrected later, in the endgame even a seemingly insignificant error can lead to disaster.

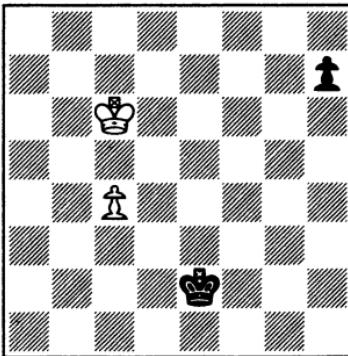
Test 1 Time Allowed 50 minutes

1 I. Drtina, 1908



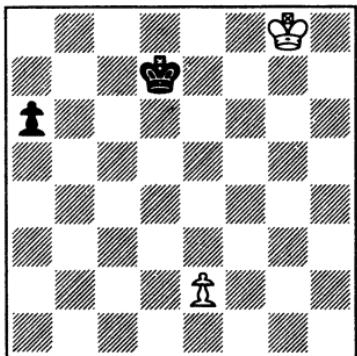
White wins

2 I. Fritta 1954



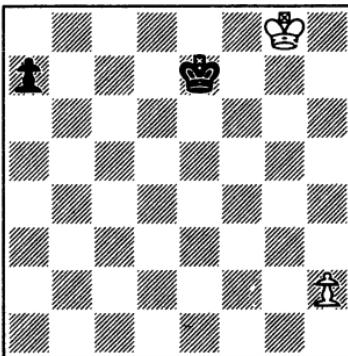
White wins

3 I. Moravec, 1952



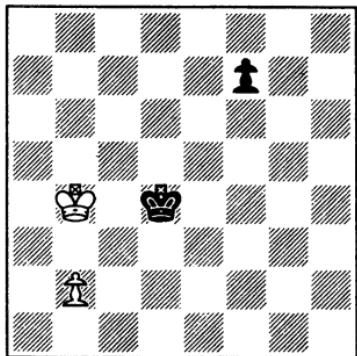
Draw

4 D. Goldberg 1932



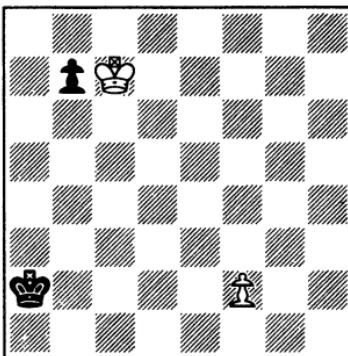
Draw

5 I. Moravec, 1941



Draw

6 A. Mandler, 1938



White wins

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Solutions to Test 1

- 1 1 ♜c2 ♜e7 2 ♜b3 (2 ♜d3? ♜d7 3 ♜d4 ♜d6 =) 2... ♜d6 3 ♜b4 ♜c6 4 ♜c4 wins. (5 MARKS)
- 2 1 ♜d5 h5 2 ♜e4 ♜f2 3 ♜f4 ♜g2 4 c5 h4 5 c6 h3 6 c7 h2 7 c8(+) h1(+) 8 ♜c2+ ♜h3 9 ♜d3+ ♜g2 (9... ♜h4 10 ♜g3+ ♜h5 11 ♜g5 mate) 10 ♜e2+ ♜g1 11 ♜g3 wins. (10 MARKS)
- 3 1 ♜f7 ♜d6 2 ♜f6 ♜d5 3 ♜f5 a5 4 e4+ ♜c6! 5 e5 a4 6 e6 a3 7 ♜g6!
=. (10 MARKS)
- 4 1 h4 ♜f6 2 h5 ♜g5 3 ♜g7 ♜xh5 4 ♜f6 a5 5 ♜e5 a4 6 ♜d4
=. (5 MARKS)
- 5 1 ♜b3 (1 ♜a5? f5 2 b4 f4 3 b5 ♜c5 loses) 1... ♜d3 2 ♜a2! f6 3 b4
爵c4 4 b5! ♜xb5 5 ♜b3 =. (10 MARKS)
- 6 1 ♜d6! ♜a3! 2 ♜c5 ♜a4 3 f4 b5 4 f5 b4 5 ♜c4! b3 6 ♜c3! ♜a3 7 f6
wins. (10 MARKS)

Total Marks Available **50**

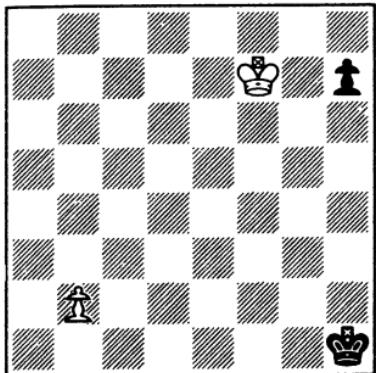
Your Score _____

Your Percentage _____

Your Rating _____

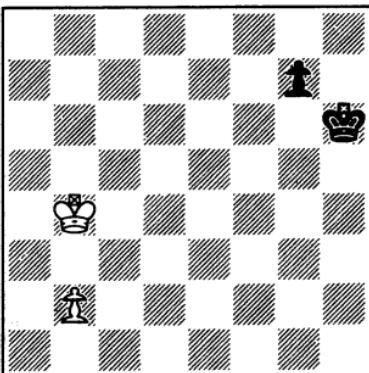
Test 2 Time Allowed 75 minutes

7 N. Grigoriev, 1933



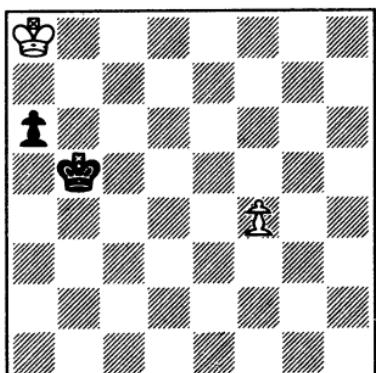
White wins

8 O. Duras, 1906



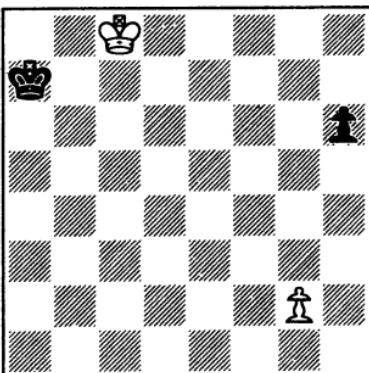
White wins

9 K. de Feijter, 1939



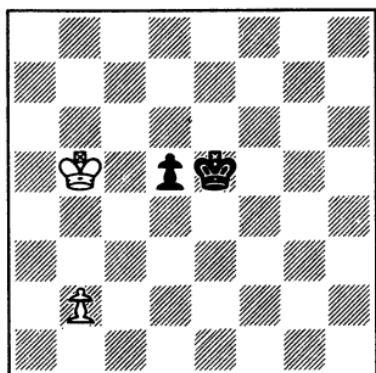
Draw

10 H. Adamson, 1915



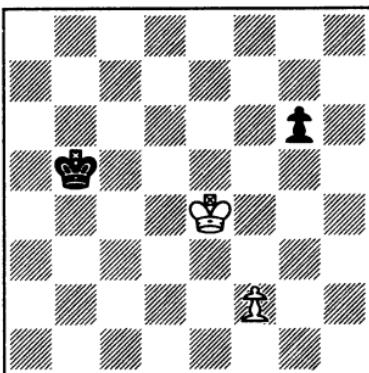
White wins

11 I. Moravec, 1952



Draw

12 I. Dobias, 1926



White wins

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Solutions to Test 2

- 7 1 ♕f6 (1 b4? h5 2 b5 h4 3 b6 h3 4 b7 h2 5 b8(+) ♕g2 =) 1... ♕g2
2 b4 h5 3 ♕g5 ♕g3 4 b5! (4 ♕xh5? ♕f4 =) 4... h4 5 b6 h3 6 b7
h2 7 b8(+) + ♕g2 8 ♕b2+ ♕g1 9 ♕g4 h1(+) 10 ♕g3 wins. **(10 MARKS)**
- 8 1 ♕c5! ♕g6 (1... g5 2 b4 g4 3 ♕d4 ♕g5 4 b5 g3 5 ♕e3 ♕g4 6 b6
♕h3 7 b7 g2 8 ♕f2 wins) 2 b4 ♕f7 3 b5 ♕e7 4 ♕c6 ♕d8 5 ♕b7 g5
6 b6 g4 7 ♕a7 wins. **(10 MARKS)**
- 9 1 ♕b7 a5 2 ♕c7 ♕c5 3 ♕d7 ♕d5 4 ♕e7 ♕e4 5 ♕e6 a4 (5... ♕xf4
6 ♕d5 =) 6 f5 a3 7 f6 =. **(5 MARKS)**
- 10 1 ♕c7! (1 ♕d7? ♕b6 2 ♕e6 ♕c5 3 ♕f5 ♕d4 4 ♕g6 ♕e4 =) 1...
♕a6 2 ♕c6 ♕a5 3 ♕c5 ♕a4 4 ♕c4 ♕a3 5 ♕c3 ♕a2 6 ♕c2 ♕a3!
7 g3!! (7 g4? ♕b4 8 ♕d3 ♕c5 9 ♕e4 ♕d6 10 ♕f5 h5! =) 7... ♕b4
8 ♕d3 ♕c5 9 ♕e4 ♕d6 10 ♕f5 ♕d5 11 g4 wins. **(10 MARKS)**
- 11 1 ♕b4 (1 b4? d4 2 ♕c4 ♕e4 3 b5 d3 4 b6 [4 ♕c3 ♕e3 loses] 4...
d2 5 b7 d1(+) 6 b8(+) ♕c2+ 7 ♕b5 ♕b2+) 1... ♕d4 (1... ♕e4
2 ♕c3 ♕e3 3 ♕c2 ♕e2 4 ♕c3 =) 2 ♕a5 ♕e3(c4) 3 b4 d4 4 b5 d3
5 b6 d2 6 b7 d1(+) 7 b8(+) ♕a1+ 8 ♕b6 =. **(10 MARKS)**
- 12 1 ♕d4! (1 f4? ♕c4 2 ♕e5 ♕d3 3 ♕f6 ♕e4 = or 1 ♕f4? ♕c4 2 ♕g5
♕d3 3 ♕xg6 ♕e4 = or 1 ♕d5? ♕b4! 2 ♕d4 ♕b3 3 f4 ♕c2 =) 1...
♕c6 2 ♕e5! ♕c5 3 f4! ♕c4 4 ♕f6 wins. **(5 MARKS)**

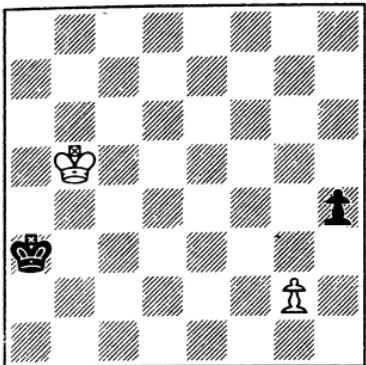
Total Marks Available

50

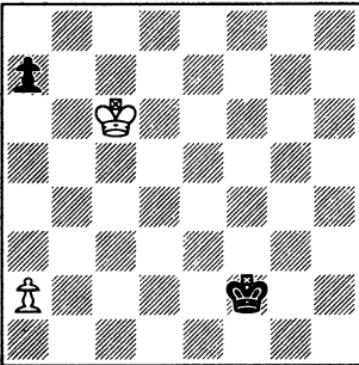
Your Score

Your Percentage

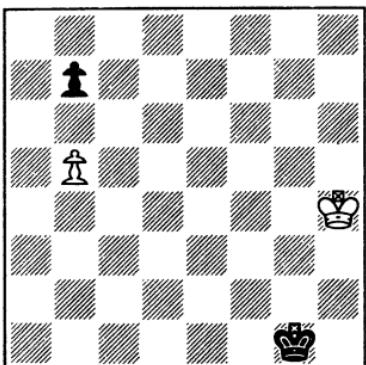
Your Rating

Test 3 Time Allowed 75 minutes**13** I. Moravec, 1952

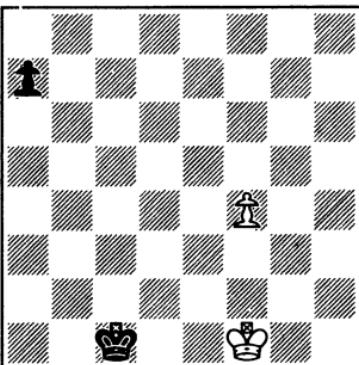
White wins

14 I. Moravec, 1952

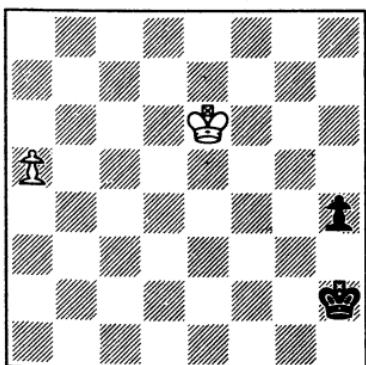
White wins

15 I. Moravec, 1952

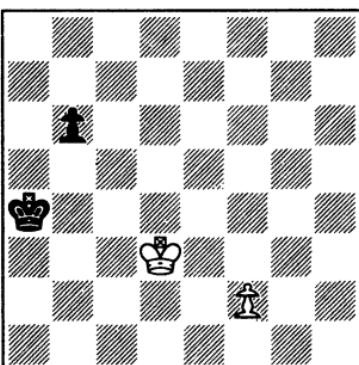
White wins

16 Z. Birnov, 1930

White wins

17 L. Prokes, 1937

White wins

18 N. Grigoriev, 1929

White wins

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Solutions to Test 3

- 13 1 ♜c4 ♜a4 (1... ♜b2 2 ♜d3 ♜c1 3 ♜e2 loses) 2 ♜d4 ♜b4 3 ♜e4 ♜c5 4 ♜f5! (4 ♜f4 h3! 5 gh ♜d6 =) 4... h3 5 gh ♜d6 6 ♜f6 wins. (5 MARKS)
- 14 1 ♜b7! (1 a4? ♜e3 2 a5 ♜d4 3 a6 ♜e5 4 ♜b7 ♜d6 5 ♜xa7 ♜c7) 1... a5 (1... ♜e3 2 ♜xa7 ♜d4 3 ♜b6!) 2 ♜b6 a4 3 ♜b5 a3 4 ♜b4 ♜-any 5 ♜xa3 wins. (5 MARKS)
- 15 1 ♜g3 ♜f1 2 ♜f3 (2 b6? ♜e2 3 ♜f4 ♜d3 4 ♜e5 ♜c4 5 ♜d6 ♜b5 6 ♜c7 ♜a6 loses) 2... ♜e1 3 ♜e3 ♜d1 4 ♜d3 ♜c1 5 ♜c3 ♜b1 6 b6! ♜a2 7 ♜b4 wins. (10 MARKS)
- 16 1 ♜e2! (1 f5? a5 2 f6 a4 3 f7 a3 4 f8(+) a2 5 ♜a3+ ♜b1 =) 1... a5 2 ♜d3 ♜b2 3 f5 a4 4 f6 a3 5 f7 a2 6 f8(+) a1(+) 7 ♜b4+ ♜c1 8 ♜d2+ ♜b1 9 ♜c2 mate. (10 MARKS)
- 17 1 ♜f5 (1 a6? h3 2 a7 ♜g1 3 a8(+) h2 =) 1... h3 2 ♜g4 ♜g2 3 a6 h2 4 a7 h1(+) 5 a8(+) + ♜g1 6 ♜a1+ ♜g2 7 ♜b2+ ♜f1 8 ♜c1+ ♜g2 9 ♜d2+ ♜f1 10 ♜d1+ ♜g2 11 ♜e2+ ♜g1 12 ♜g3 wins. (10 MARKS)
- 18 1 ♜d4! ♜b5 (1... b5 2 f4 b4 3 f5 b3 4 ♜c3 ♜a3 5 f6 wins) 2 ♜d5 ♜a6 3 f4 ♜b7 4 f5 ♜c7 5 ♜e6 ♜d8 6 ♜f7 b5 7 f6 b4 8 ♜g7 wins. (10 MARKS)

Total Marks Available

50

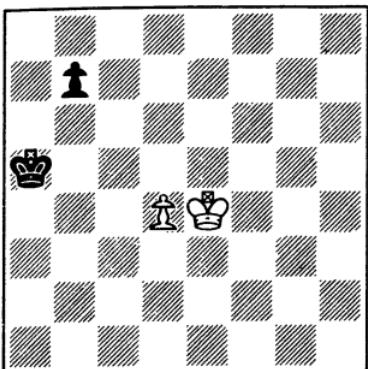
Your Score

Your Percentage

Your Rating

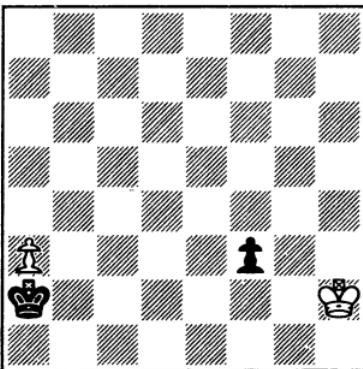
Test 4 *Time Allowed 80 minutes*

19 A. van Tets, 1970



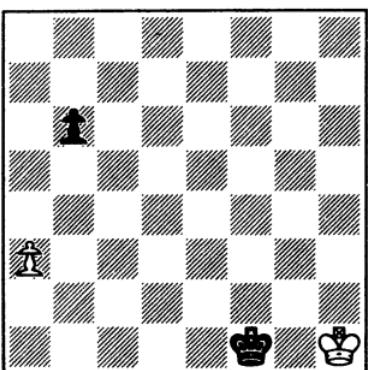
White wins

20 H. Rinck, 1922



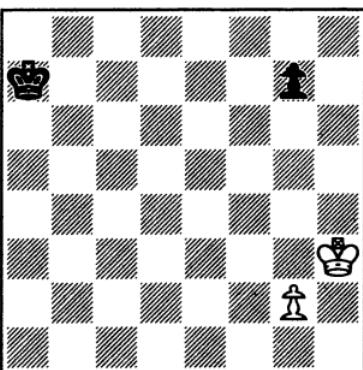
White wins

21 T. Gorgiev, 1941



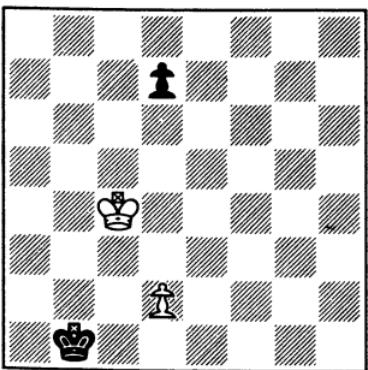
Draw

22 I. Moravec, 1952



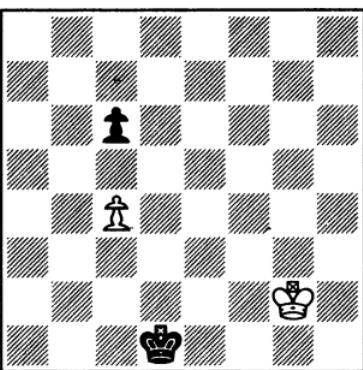
White wins

23 A. Herberg, 1936



White wins

24 A. Mandler, 1949



Draw

Solutions to Test 4

- 19 1 ♜e5 (1 d5 ♜b6 2 ♜e5 ♜c7 3 ♜e6 ♜d8 =) 1... ♜b6 (1... b5 2 d5 wins) 2 ♜d6! (2 ♜e6? ♜c7 3 ♜e7 ♜c6 4 ♜e6 ♜c7 5 d5 ♜d8 =) 2... ♜a7 3 ♜c7 b5 4 d5 b4 5 d6 b3 6 d7 b2 7 d8(+) b1(+) 8 ♜d4+ ♜a6 9 ♜a4 mate. **(10 MARKS)**
- 20 1 a4 ♜b3 2 a5 ♜c3 (2... ♜c4 3 a6 ♜d3 4 a7 f2 5 a8(+) f1(+) 6 ♜a6 wins) 3 ♜g1! (3 a6? ♜d2! or 3 ♜g3? ♜d4 are both drawn) 3... ♜d4 4 a6 ♜e3 5 ♜f1 wins. **(5 MARKS)**
- 21 1 ♜h2 ♜f2 2 ♜h3 ♜f3 3 ♜h4 (3 ♜h2? b5! wins) 3... ♜f4 4 ♜h5 ♜f5 5 ♜h6 ♜f6 6 ♜h7 ♜f7 (6... b5? 7 ♜g8 ♜e7 8 ♜g7 ♜e6 9 ♜f8 ♜d7 10 ♜f7 ♜d6 11 ♜e8 =) 7 ♜h6! (7 ♜h8? b5! 8 ♜h7 ♜e6 9 ♜g6 ♜d5 10 ♜f5 ♜c4 11 ♜e4 ♜b3 wins) 7... b5 (7... ♜f6 8 ♜h7 =) 8 ♜g5 ♜e6 9 ♜f4 ♜d5 10 ♜e3 ♜c4 11 a4! ba (11... b4 12 a5 =) 12 ♜d2 ♜b3 13 ♜c1=. **(10 MARKS)**
- 22 1 ♜g4 ♜b6 2 ♜f5! (2 ♜g5 ♜c5 3 ♜g6 ♜d4 4 ♜xg7 ♜e3 5 ♜h6 ♜f4 =) 2... ♜c5 3 ♜e5! ♜c6 (3... ♜c4 4 g4 ♜d3 5 g5 ♜e3 6 g6 wins) 4 ♜e6 ♜c7 5 g4 ♜d8 6 ♜f7 wins. **(10 MARKS)**
- 23 1 ♜c3! ♜c1 (1... ♜a2 2 d4 ♜a3 3 ♜c4 [3 d5? d6!=] 3... ♜a4 4 ♜c5 ♜a5 5 d5 wins) 2 d4 ♜d1 3 d5 ♜e2 4 ♜d4 ♜f3 5 ♜e5 ♜e3 6 d6 wins. **(10 MARKS)**
- 24 1 ♜f2! (1 ♜f3? ♜d2 2 ♜e4 ♜c3, or 1 ♜f1 c5 2 ♜f2 ♜d2, both winning for Black) 1... ♜d2 (1... c5 2 ♜e3 ♜c2 3 ♜e2) 2 c5 ♜d3 3 ♜e1 ♜c4 4 ♜d2=. **(5 MARKS)**

Total Marks Available

50

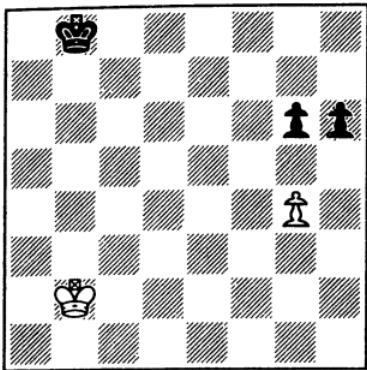
Your Score

Your Percentage

Your Rating

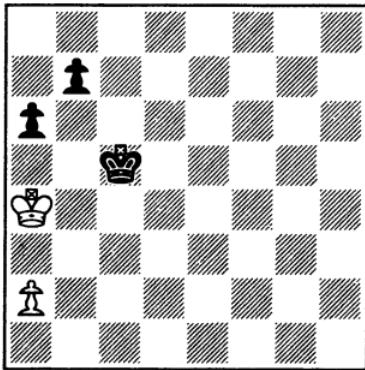
Test 5 Time Allowed 60 minutes

25 N. Grigoriev, 1929



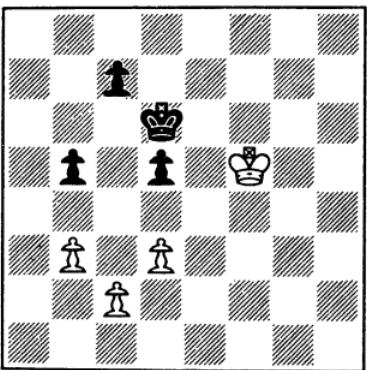
Draw

26 N. Grigoriev, 1932



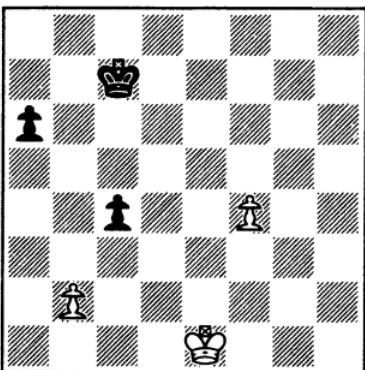
Draw

27 H. Neustadtl, 1892



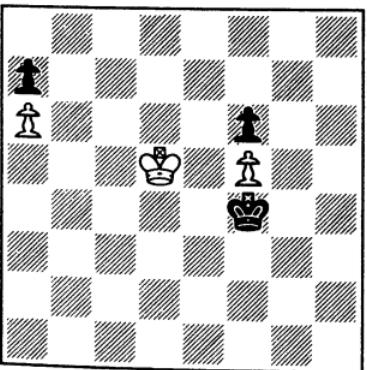
White wins

28 F. Grossop, 1926



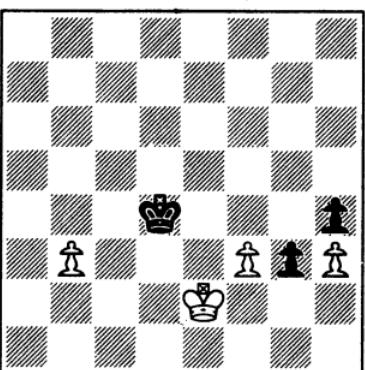
White wins

29 J. Hašek, 1928



White wins

30 M. Rauch, 1939



White wins

14 Test Your Endgame Ability

Solutions to Test 5

- 25 1 ♜c2 ♜c8 2 ♜d2 ♜d8 3 ♜e2 ♜e8 (3... ♜c7 4 ♜e3 =) 4 ♜f3
 爵d7 5 g5! h5 6 ♜e3!=. (10 MARKS)
- 26 1 ♜a5 ♜c6 2 a4 ♜c7 3 ♜b4 ♜d6 4 ♜c4 b6 5 ♜d4=. (10 MARKS)
- 27 1 b4! c5 2 d4! cd 3 ♜f6 d3 4 cd d4 5 ♜f5 ♜d5 6 ♜f4 wins. (10 MARKS)
- 28 1 ♜d2 ♜d6 2 ♜c3 ♜d5 3 f5 ♜e5 4 ♜x c4 ♜xf5 5 ♜d4 wins. (5 MARKS)
- 29 1 ♜c6 ♜e5 (1... ♜xf5 2 ♜b7 and White queens first) 2 ♜c7 ♜d5
 3 ♜d7 ♜e5 4 ♜c6 wins. (5 MARKS)
- 30 1 ♜f1 (1 b4? ♜c4 2 f4 ♜xb4 3 f5 ♜c5 stops the f-pawn) 1... ♜d3
 2 ♜g1 ♜d4 3 ♜g2 ♜d3 4 ♜f1 ♜d4 5 ♜e2 wins. (10 MARKS)

Total Marks Available **50**

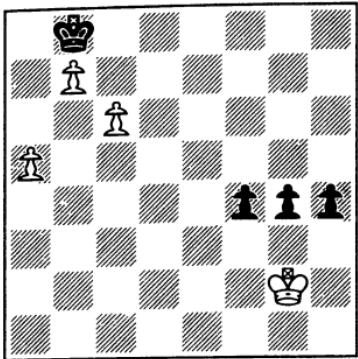
Your Score _____

Your Percentage _____

Your Rating _____

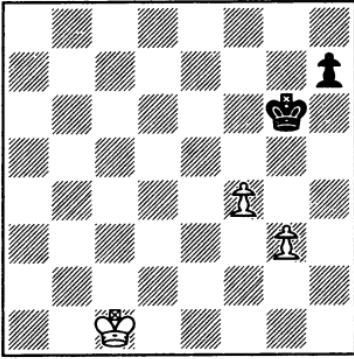
Test 6 *Time Allowed 60 minutes*

31 J. Behting, 1900



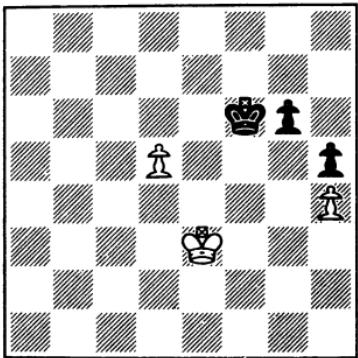
White wins

32 N. Grigoriev, 1935



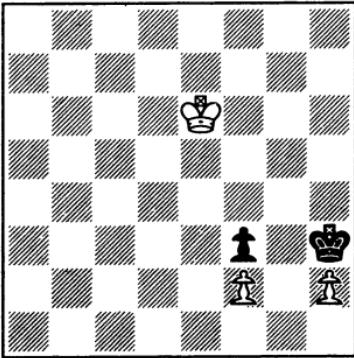
White wins

33 I. Posišil, 1912



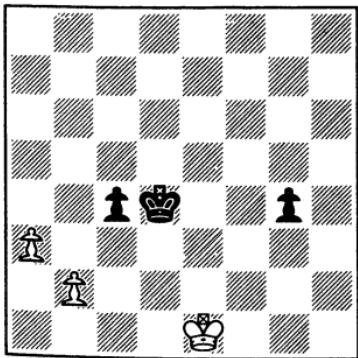
White wins

34 I. Moravec, 1925



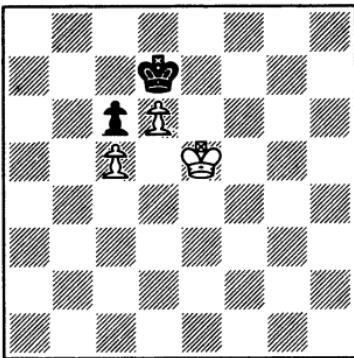
Draw

35 A. Selezniev, 1919



Draw

36 I. Allgaier, 1823



White wins

Solutions to Test 6

- 31** 1 ♕g1 ♔a7(c7) 2 b8(♕)!! ♕×b8 3 a6 wins. If 3 . . . h3 4 ♕h2 or 3 . . . f3 4 ♕f2 or 3 . . . g3 4 ♕g2. **(5 MARKS)**
- 32** 1 ♕d2! ♕f5 2 ♕e3 h6 3 ♕f2 ♕g4 4 ♕e2! h5 5 ♕e3 ♕×g3 6 f5 wins. **(10 MARKS)**
- 33** 1 ♕e4 ♕f7 2 ♕d4 ♕e8 3 d6 ♕d7 4 ♕c5! g5 5 hg h4 6 g6 h3 7 g7 h2 8 g8(♕) h1(♕) 9 ♕f7+ and mates. **(10 MARKS)**
- 34** 1 ♕d5! ♕g2 2 h4 ♕×f2 3 h5=. If 1 ♕e5? Black eventually wins the white queen on h8 by . . . ♕a1+. **(5 MARKS)**
- 35** 1 ♕f2 ♕c5 2 ♕g3 ♕b5 3 ♕×g4 ♕a4 4 ♕f5! ♕b3 5 a4!=. **(10 MARKS)**
- 36** 1 ♕f6 ♕d8 2 d7! ♕×d7 3 ♕f7 ♕d8 4 ♕e6 ♕c7 5 ♕e7 ♕c8 6 ♕d6 ♕b7 7 ♕d7 wins. **(10 MARKS)**

Total Marks Available **50**

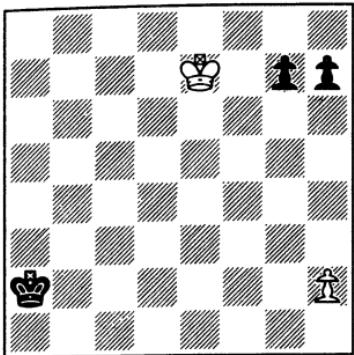
Your Score _____

Your Percentage _____

Your Rating _____

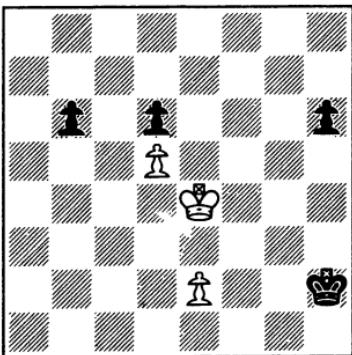
Test 7 Time Allowed 60 minutes

37 N. Grigoriev, 1928



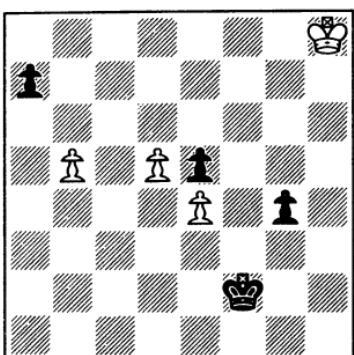
White wins

38 A. Herbstmann, 1929



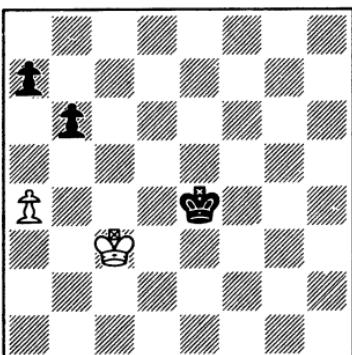
White wins

39 T. R. Dawson, 1913



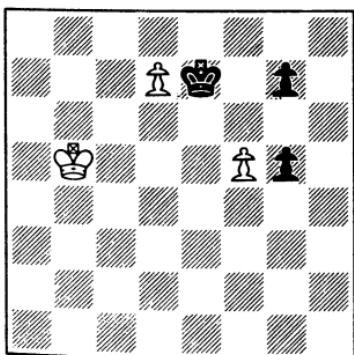
White wins

40 A. Selezniev, 1930



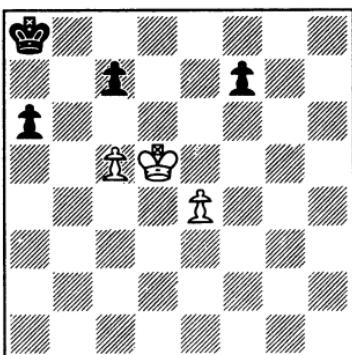
Draw

41 A. Selezniev, 1918



Draw

42 A. Selezniev, 1928



Draw

Solutions to Test 7

- 37 1 h4 h5 2 ♕f8 g6 3 ♕e7 wins. Not 3 ♕f7? g5 4 hg and White will not queen with check. (5 MARKS)
- 38 1 ♕f3 b5 2 e4 b4 3 ♕e2 b3 4 ♕d1 ♕g3 5 e5 de 6 d6 wins. (10 MARKS)
- 39 1 b6!! ab 2 d6 g3 3 d7 g2 4 d8(♕) g1(♕) 5 ♕×b6+ ♔f1 6 ♕×g1+ ♔×g1 7 ♔g7 and wins the e-pawn. (10 MARKS)
- 40 1 a5! b5 2 a6 ♕d5 3 ♕b4 ♕c6 4 ♕a5 =. (10 MARKS)
- 41 1 ♕c6 ♕d8 2 ♕d5 ♕×d7 3 ♕e4 ♕d6 4 ♕f3 ♕e5 5 ♕g4 ♕f6 6 ♕h5 =. (10 MARKS)
- 42 1 ♕c6 ♕b8 2 e5 ♕c8 3 e6!! (5 MARKS)

Total Marks Available

50

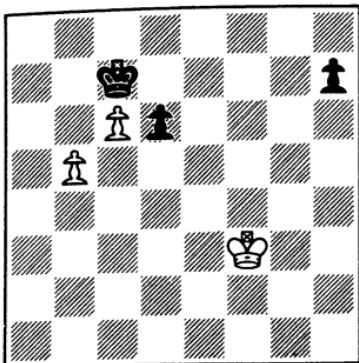
Your Score

Your Percentage

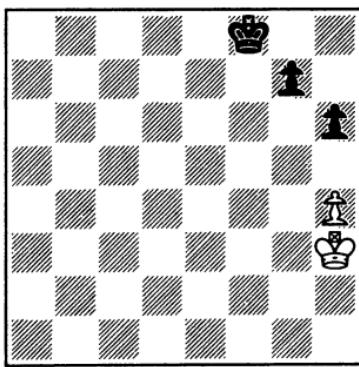
Your Rating

Test 8 Time Allowed 75 minutes

43 B. Horwitz and J. Kling, 1851 44 R. Réti and A. Mandler, 1921

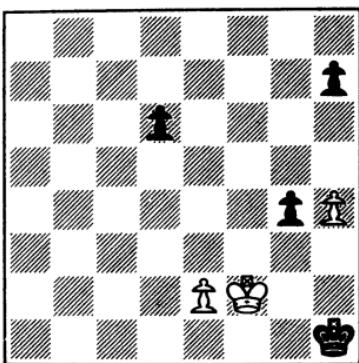


White wins



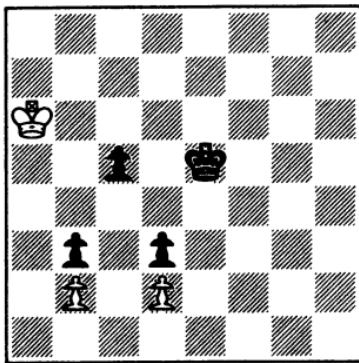
Draw

45 H. Rinck, 1911



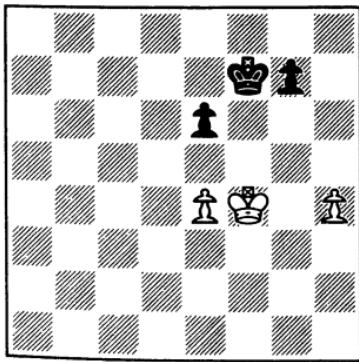
Draw

46 H. Rinck, 1930



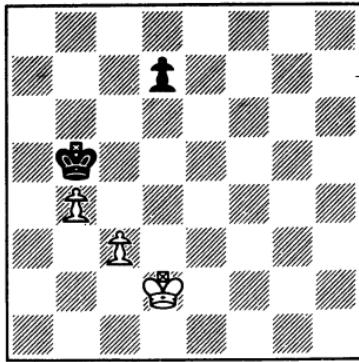
Draw

47 A. Turov, 1957



White wins

48 N. Grigoriev, 1933



Black to move
White wins

Solutions to Test 8

- 43 1 ♜f4 ♜b6 2 ♜f5 ♜c73 ♜f6 ♜b6 4 ♜e6 ♜c75 ♜d5 h5 6 b6 wins.
(5 MARKS)
- 44 1 ♜g3! ♜e7 (1 . . . ♜f7 2 ♜g4 =) 2 ♜f3 ♜f6 3 ♜e4 =.
(5 MARKS)
- 45 1 ♜g3 h5 2 e4 ♜g1 3 e5! =.
(5 MARKS)
- 46 1 ♜b5 (1 ♜a5? ♜e4 2 ♜a4 [2 ♜b5 ♜f3 3 ♜c4 ♜e2 4 ♜c3 c4] 2 . . . ♜f3 3 ♜b3 ♜e2 4 ♜c3 c4 wins) 1 . . . ♜d5 (1 . . . ♜d4 2 ♜a4 c4 3 ♜b4 =) 2 ♜a4 c4 3 ♜b4 (3 ♜a3? ♜c5 4 ♜a4 c3 wins) 3 . . . ♜d4 4 ♜a4 ♜c5 5 ♜a3 ♜d5 (5 . . . ♜b5 stalemate) 6 ♜b4 ♜d4 7 ♜a4 ♜e4 (7 . . . c3? 8 bc+ ♜c4 9 ♜a3 wins) 8 ♜b4 (8 ♜a3? ♜f3 9 ♜b4 ♜e2 10 ♜c3 ♜d1 wins) 8 . . . ♜d5 9 ♜c3 ♜c5 =.
(15 MARKS)
- 47 1 h5 ♜f6 2 e5+ ♜f7 3 ♜g5 ♜g8 4 ♜g6 ♜f8 5 h6 ♜g8 6 h7+ ♜h8 7 ♜f7 g5 8 ♜xe6 g4 9 ♜f7 wins.
(10 MARKS)
- 48 1 . . . ♜c4 2 ♜d1(c1) ♜b5 3 ♜c2 ♜c4 4 ♜d2 d6 5 ♜d1 ♜b5 6 ♜c2 ♜c4 7 ♜d2 d5 8 ♜c2 d4 9 cd wins.
(10 MARKS)

Total Marks Available

50

Your Score

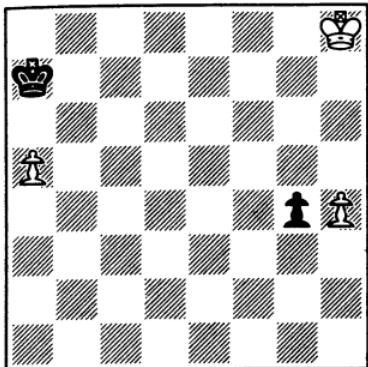
Your Percentage

Your Rating

Test 9

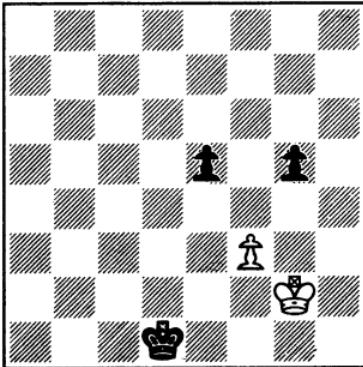
Time Allowed 80 minutes

49 P. Farago, 1937



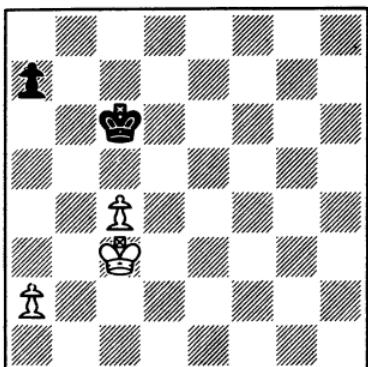
Draw

50 H. Neustadtl, 1890



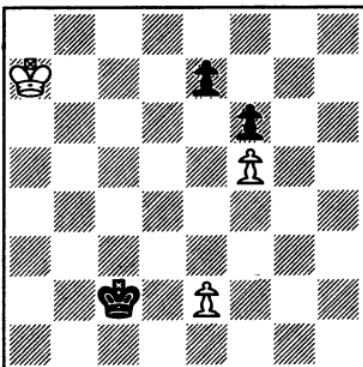
Draw

51 A. Bauer, 1911



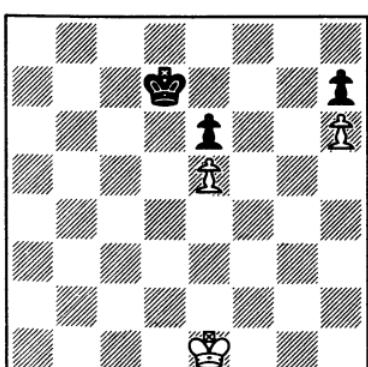
White wins

52 O. Duras, 1927

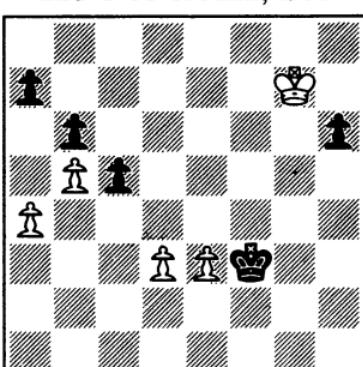


White wins

53 N. Grigoriev, 1929



Draw

54 D. Godes
and Y. Averbakh, 1955

White wins

Solutions to Test 9

- 49** 1 a6!! (1 h5? ♜a6!! 2 h6 g3 3 h7 g2 4 ♜g7 g1(+) + 5 ♜h8 ♜c5 6 ♜g7 ♜g5+ 7 ♜h8 ♜f6+ 8 ♜g8 ♜g6+ 9 ♜h8 ♜b5! 10 a6 ♜f7 11 a7 ♜f8 mate) 1... g3 2 h5 g2 3 h6 g1(+) 4 h7=.
- (15 MARKS)
- 50** 1 ♜h1! (1 ♜f1? ♜d2 2 ♜f2 ♜d3 3 ♜g3 ♜e3 4 ♜g2 ♜e2 5 ♜g3 ♜f1 6 ♜g4 ♜f2 wins) 1... ♜d2 (1... ♜c1 2 ♜g1! g4 3 ♜g2! ♜d2 4 fg =) 2 ♜h2 ♜e2 3 ♜g2! ♜e3 4 ♜g3 ♜d3 5 ♜h3!=.
- (15 MARKS)
- 51** 1 ♜d4 ♜d6 2 c5+ ♜c6 3 ♜c4 ♜c7 (3... a5? 4 a4 ♜-any 5 ♜b5 wins, or 3... a6 4 a4 ♜c7 5 ♜d5 ♜d7 6 c6+ ♜c7 7 ♜c5 ♜-any 8 ♜b6 wins) 4 ♜d5 ♜d7 5 c6+ ♜c7 6 ♜c5 ♜c8 7 ♜d6 ♜d8 8 c7+ ♜c8 9 ♜c6 a5 (9... a6 10 a4 a5 11 ♜b6 wins) 10 ♜b6 a4 11 a3 wins.
- (20 MARKS)
- 52** 1 ♜b6 ♜c3 (1... ♜d2 2 ♜c6 ♜e3 3 ♜d5! wins) 2 ♜c5 ♜d2 3 ♜c6 ♜e3 4 ♜d5 ♜f4 5 ♜e6 ♜e4 6 e3 wins.
- (15 MARKS)
- 53** 1 ♜f2! ♜c6 (1... ♜e7 2 ♜e3 ♜f7 3 ♜d4 ♜g6 4 ♜c5 ♜g5 5 ♜d6 ♜f5 6 ♜e7) 2 ♜g3 ♜d5 3 ♜h4 ♜d4 4 ♜h5 ♜e4 5 ♜g4 ♜xe5 6 ♜g5=.
- (15 MARKS)
- 54** 1 e4 ♜f4 2 ♜f6 c4 (2... h5 3 e5 h4 4 e6 h3 5 e7 h2 6 e8(+) h1(+) 7 ♜e5+ ♜g4 8 ♜g5+ ♜h3 9 ♜h5+ ♜g2 10 ♜xh1+ ♜xh1 11 ♜e5 wins) 3 dc ♜xe4 4 c5 bc 5 a5 ♜d5 6 a6 wins.
- (20 MARKS)

Total Marks Available

100

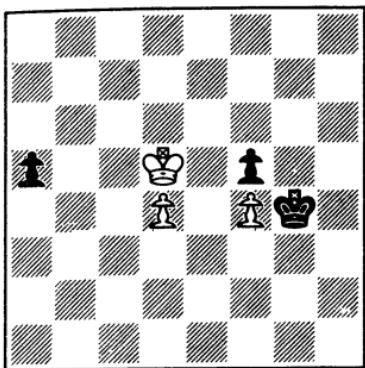
Your Score

Your Percentage

Your Rating

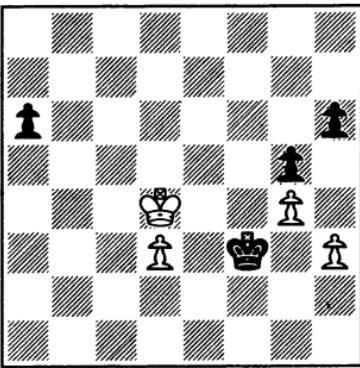
Test 10*Time Allowed 80 minutes*

55 A. Selezniev, 1927



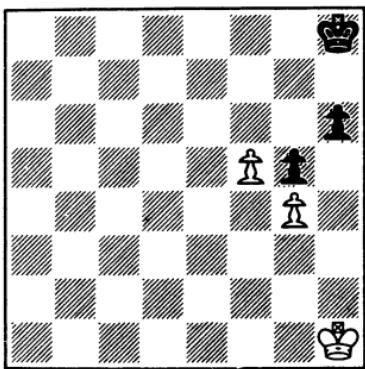
White wins

56 A. Selezniev, 1912



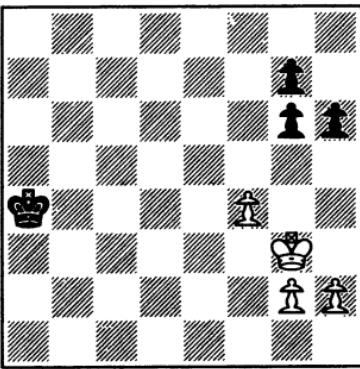
White wins

57 N. Grigoriev, 1934



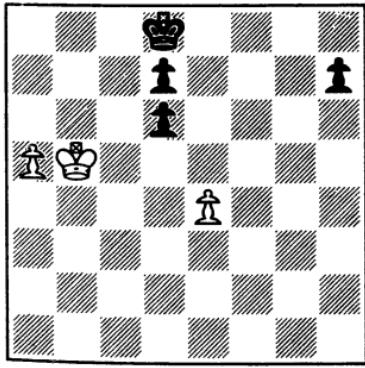
White wins

58 H. Mattison, 1927



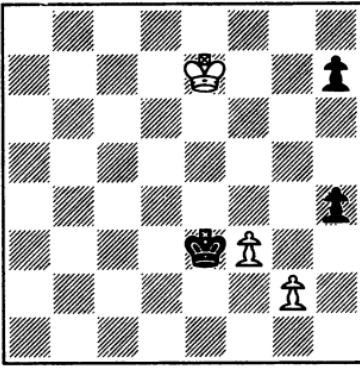
White wins

59 A. Troitsky, 1899



Draw

60 V. Chekhover, 1950



Draw

Solutions to Test 10

- 55** 1 ♜c4! ♜x f4 2 d5 ♜e5 3 ♜c5 a4 (3...f4 4 d6 ♜e6 5 ♜c6 f3 6 d7 f2 7 d8(+) f1(+) 8 ♜e8 ♜f5(f6)+ 9 ♜f8+ wins) 4 d6 ♜e6 5 ♜c6 a3 6 d7 a2 7 d8(+) a1(+) 8 ♜e8+ ♜f6 9 ♜h8+ wins. **(15 MARKS)**
- 56** 1 ♜c4! a5 2 d4 ♜e4 3 d5 ♜e5 4 ♜c5 a4 5 d6 ♜e6 6 ♜c6 a3 7 d7 a2 8 d8(+) a1(+) 9 ♜e8+ ♜f6 10 ♜h8 wins. **(15 MARKS)**
- 57** 1 ♜g2 ♜g7 2 ♜f3 ♜f7 3 ♜e3 ♜e7 4 ♜d4 ♜f6 5 ♜e4 ♜e7 6 ♜e5 ♜f7 7 f6 h5 8 gh g4 9 h6 g3 10 h7 g2 11 h8(+) g1(+) 12 ♜h7+ ♜f8 13 ♜e7+ ♜g8 14 f7+ wins. **(20 MARKS)**
- 58** 1 f5! (1 ♜g4 ♜b5 2 h4 ♜c5 3 h5 gh+ 4 ♜xh5 ♜d5 5 ♜g6 ♜e4 6 g3 h5! 7 ♜xg7 ♜f5 8 ♜h6 ♜g4 9 f5 h4! 10 gh ♜f5! =) 1... ♜b5 2 ♜f4 ♜c6 3 ♜e5 ♜d7 4 f6 ♜e8 5 fg ♜f7 6 g8(+) ♜xg8 7 ♜f6 ♜h7 8 g4 g5 9 ♜f7 h5 10 h4 wins. **(20 MARKS)**
- 59** 1 ♜b6 ♜c8 2 a6 ♜b8 3 a7+ ♜a8 4 ♜c7 h5 5 ♜x d6 h4 6 ♜x d7 h3 7 e5 h2 8 e6 h1(+) 9 e7 ♜d5+ 10 ♜c7 ♜e6 11 ♜d8 ♜d6+ 12 ♜c8 =. **(20 MARKS)**
- 60** 1 ♜f6 (1 ♜e6? ♜f2 2 f4 ♜xg2 3 f5 h3 4 f6 h2 5 f7 h1(+) 6 f8(+) ♜h3+ 7 ♜e5 ♜e3 wins) 1... ♜f4 2 ♜g7 ♜g3 3 ♜xh7 ♜xg2 4 f4 h3 5 f5 h2 6 f6 h1(+) + 7 ♜g8 =. **(20 MARKS)**

Total Marks Available

110

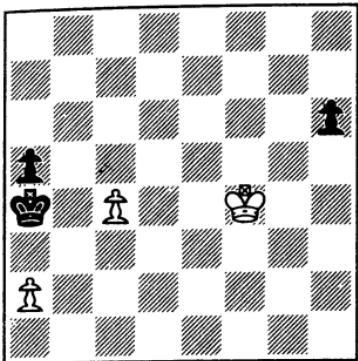
Your Score

Your Percentage

Your Rating

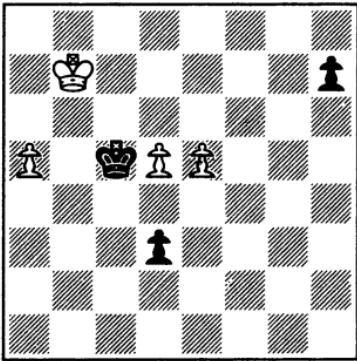
Test 11 Time Allowed 80 minutes

61 N. Grigoriev, 1925



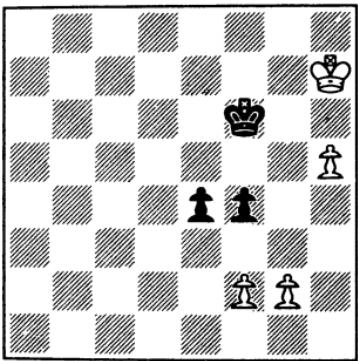
White wins

62 V. Korolkov, 1950



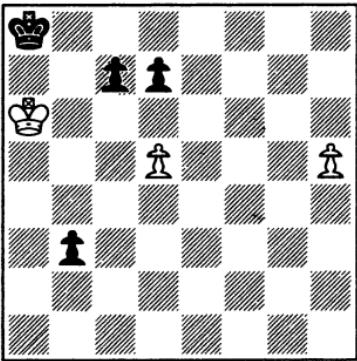
Draw

63 T. Gorgiev, 1964



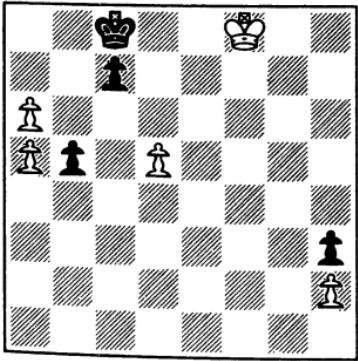
Draw

64 S. Zhilis, 1928



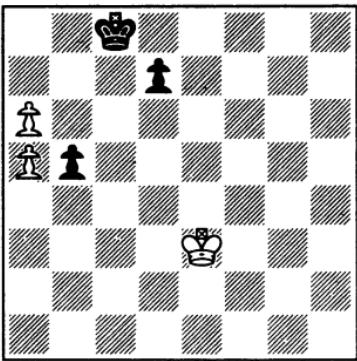
Draw

65 H. Fahrni, 1928



Draw

66 L. Kubbel, 1928



Draw

26 Test Your Endgame Ability

Solutions to Test 11

- 61 1 a3! (1 ♜e5 h5 2 c5 ♜b5) 1... h5 2 ♜g3 h4+ 3 ♜h3 ♜xa3 4 c5 a4 5 c6 ♜x b2 6 c7 a3 7 c8(+) a2 8 ♜b7+ ♜c19 ♜c6+ ♜b2 10 ♜b5+ ♜c11 ♜c4+ ♜b2 12 ♜b4+ ♜c1 13 ♜c3+ ♜b1 14 ♜b3+ ♜a1 15 ♜g4! h3 16 ♜c2 wins. **(25 MARKS)**
- 62 1 e6 ♜d6 2 e7 ♜xe7 3 ♜c7 d2 4 d6+ ♜e6 5 d7 d1(+) 6 d8(+) ♜xd8+ 7 ♜xd8 ♜d6 8 ♜c8 ♜c6 9 ♜b8 ♜b5 10 ♜b7! ♜xa5 11 ♜c6 =. **(15 MARKS)**
- 63 1 h6 ♜f7 2 g4 fg 3 fg e3 4 g4 e2 5 g5 e1(+) 6 g6+ ♜f6 7 g7 ♜e7 8 ♜h8 ♜g6 9 g8(+) + ♜xh6 10 ♜e6+ ♜xe6 stalemate. **(15 MARKS)**
- 64 1 d6! c6! 2 h6 b2 3 h7 b1(+) 4 h8(+) ♜b8 5 ♜d8 =. **(10 MARKS)**
- 65 1 ♜e7 b4 2 d6 cd 3 ♜xd6 b3 4 ♜c6 ♜b8 5 ♜b6 b2 6 a7+ ♜a8 7 ♜a6 b1(+) = (7... b1(+) 8 ♜b5 ♜d2 9 ♜c5 ♜f3 10 ♜d5 ♜xh2 11 ♜e4 =) **(20 MARKS)**
- 66 1 ♜d4 d6 2 ♜c3 d5 3 ♜d4 b4 4 ♜xd5 b3 5 ♜c6 =. **(15 MARKS)**

Total Marks Available **100**

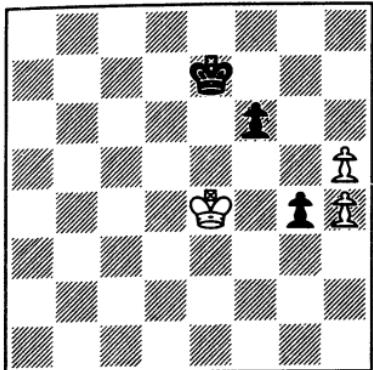
Your Score _____

Your Percentage _____

Your Rating _____

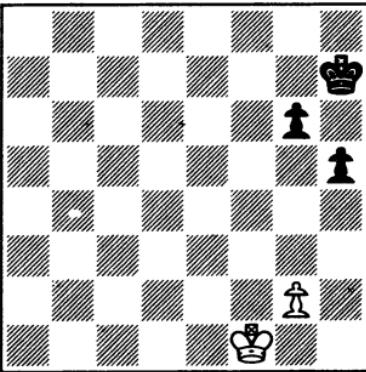
Test 12*Time Allowed 90 minutes*

67 T. Gorgiev, 1950



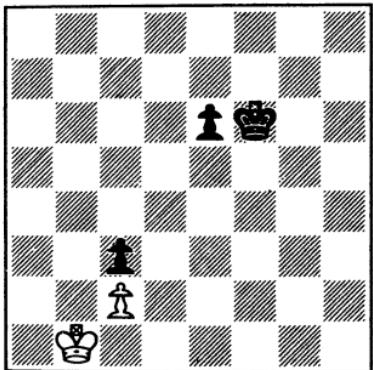
Draw

68 T. Gorgiev, 1936



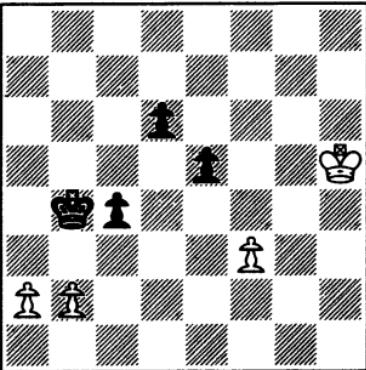
Draw

69 N. Grigoriev, 1929



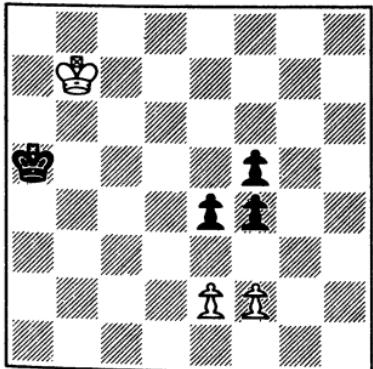
Draw

70 T. Gorgiev, 1955



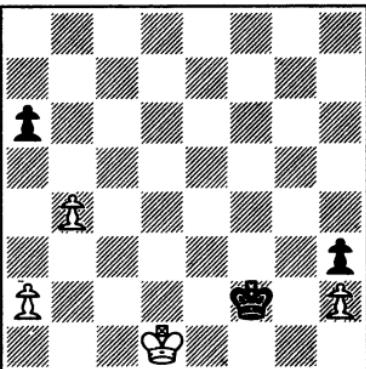
Draw

71 L. Kovalenko, 1927



Draw

72 N. Kribtsun, 1962



White wins

Solutions to Test 12

- 67 1 h6 ♜f8 2 h5 ♜f7 3 ♜e3! f5 4 ♜f4 ♜f6 5 ♜g3 ♜f7 6 ♜f4 ♜f8
7 ♜xh5 g3 8 ♜f6! ♜g8 9 ♜g6 =. (15 MARKS)
- 68 1 ♜f2 ♜h6 (1... ♜g7 2 g4 h4 3 g5 or 1... g5 2 g3! =) 2 ♜g3 ♜g5 3
♜h3 ♜f5 (3... ♜f4 4 ♜h4 ♜f5 5 g3! =) 4 ♜h4 ♜f4 5 g4! =.
(15 MARKS)
- 69 1 ♜c1 ♜e5 2 ♜d1 ♜d4 3 ♜e2 ♜e4 (3... ♜c4 4 ♜e3 ♜b4 5 ♜d4
= or 4... ♜b5 5 ♜d3 =) 4 ♜f2 ♜f4 5 ♜e2 ♜g3 6 ♜d3! (6 ♜e3?
e5!! wins) 6... e5 7 ♜e3 ♜g2 8 ♜e2 e4 9 ♜e1 ♜f3 10 ♜f1 e3 11
♜e1 =. (25 MARKS)
- 70 1 f4 (1 ♜g4 d5 2 f4 d4 3 f5 d3 4 ♜f3 c3 5 f6 d2 6 ♜e2 cb wins) 1...
ef 2 ♜g4 d5 3 ♜xh4 d4 4 ♜e4 c3 5 ♜d3 cb 6 ♜c2 ♜a3 7 ♜b1! =.
(15 MARKS)
- 71 1 ♜c6 ♜b4 2 ♜d5 ♜c3 3 ♜e5 e3 4 ♜xf4 ef 5 ♜e3 f1(+) 6 ♜f4
♜h3 7 e4 =. (10 MARKS)
- 72 1 a3! ♜f1 2 ♜d2 ♜f2 3 ♜d3 ♜f3 4 ♜d4 ♜f2 5 ♜e4 ♜g2 6 ♜e3
♜h1 7 ♜f3 ♜xh2 8 ♜f2 ♜h1 9 ♜g3 h2 10 ♜f2 a5 11 a4! wins
(1 ♜d2? ♜g2 2 ♜e2 ♜xh2 3 ♜f2 ♜h1 4 ♜g3 a5! =).
(20 MARKS)

Total Marks Available

100

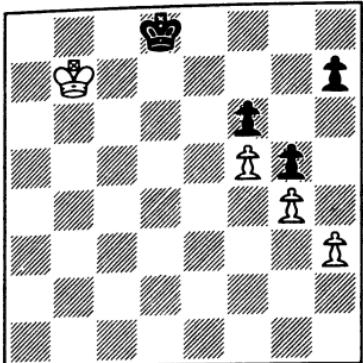
Your Score

Your Percentage

Your Rating

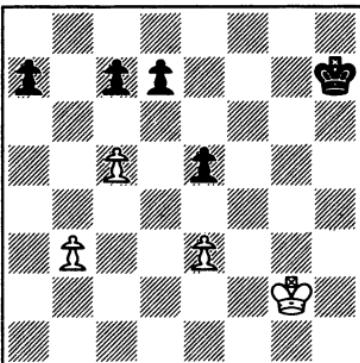
Test 13*Time Allowed 90 minutes*

73 R. Ashurov, 1956



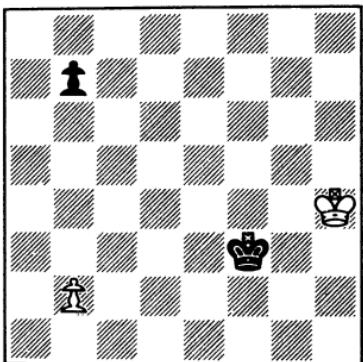
White wins

74 T. Gorgiev, 1929



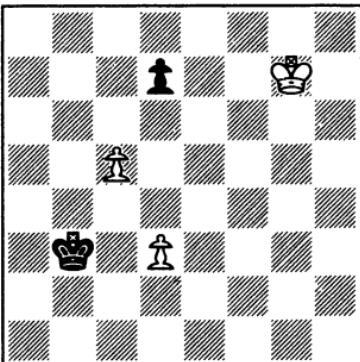
Draw

75 N. Grigoriev, 1938



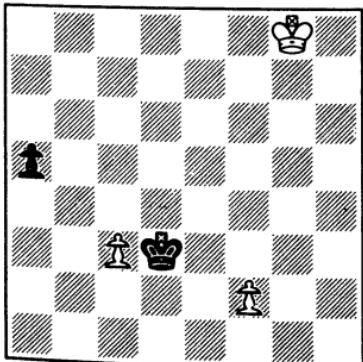
Draw

76 A. Golbershtein, 1936



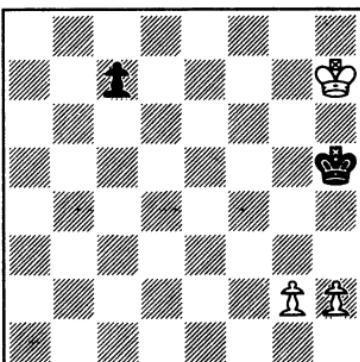
White wins

77 N. Grigoriev, 1936



Draw

78 T. Gorgiev, 1928



Draw

30 Test Your Endgame Ability

Solutions to Test 13

- 73 1 ♜c6 ♜e7 2 ♜c7 ♜e8 3 ♜d6 ♜f7 4 ♜d7 ♜f8 5 ♜e6 ♜g7 6 ♜e7 ♜h6! 7 ♜d6(d7) ♜g7 8 ♜e6 ♜h6 9 ♜e7 ♜g7 10 h4 gh 11 g5 wins. (15 MARKS)
- 74 1 ♜f3 ♜g6 2 ♜e4 ♜f6 3 ♜d5 ♜f5 4 b4 a6 5 c6! dc (5... d6 6 e4+ ♜f6 5 b5 =) 6 ♜x c6 ♜e4 7 ♜x c7 ♜d5 8 e4+ ♜d4 9 ♜c6 ♜c4 10 ♜d6 ♜d4 11 ♜c6 =. (20 MARKS)
- 75 1 ♜g5 ♜e4 2 ♜f6 ♜d5 3 ♜e7 ♜c6 (3... b5 4 ♜d7 b4 5 ♜c7 ♜c5 6 ♜b7 b3 7 ♜a6 ♜b4 8 ♜b6 ♜c4 9 ♜a5) 4 ♜e6! b6 5 ♜e5 ♜c5 6 ♜e4 ♜c4 7 ♜e3 b5 8 ♜d2 ♜b3 9 ♜c1 ♜a2 10 b4 =. (25 MARKS)
- 76 1 ♜f6 ♜b4 2 d4 ♜b5 3 ♜f5 (3 ♜e5 ♜c6 4 ♜f6 ♜d5 =) 3... ♜b4 4 ♜e4 ♜c4 5 ♜e5 wins. (10 MARKS)
- 77 1 c4 ♜x c4 2 f4 ♜d5 3 ♜f7! (3 ♜g7? ♜e4 wins) 3... a4 4 f5 a3 5 f6 a2 6 ♜g8 a1(+) 7 f7 =. (15 MARKS)
- 78 1 g4+! ♜g5 (1... ♜x g4 2 ♜g6 c5 3 h4 ♜x h4 4 ♜f5 =) 2 ♜g7! (2 h4+? ♜x h4 3 ♜g6 ♜x g4) 2... c5 3 h4+! ♜x h4 (3... ♜g4 4 ♜g6) 4 ♜f6! =. (15 MARKS)

Total Marks Available **100**

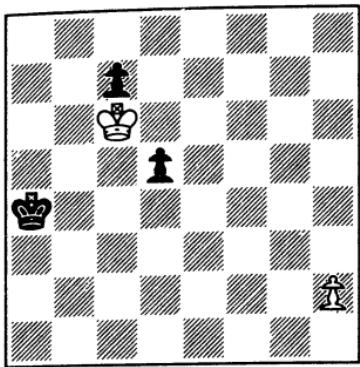
Your Score _____

Your Percentage _____

Your Rating _____

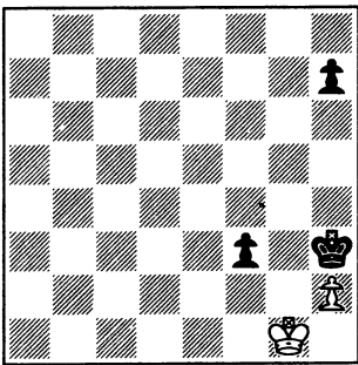
Test 14*Time Allowed 90 minutes*

79 A. Wotawa, 1954



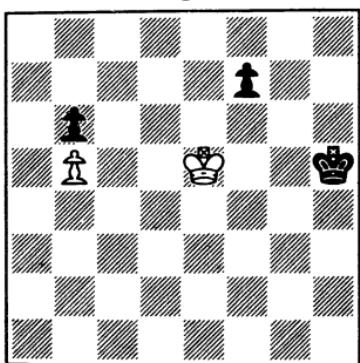
White wins

80 N. Grigoriev, 1920



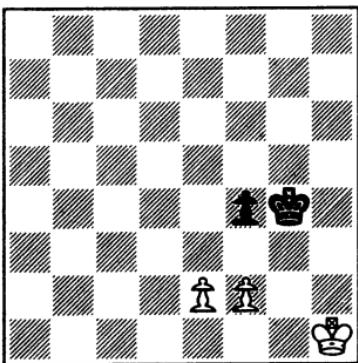
Draw

81 N. Grigoriev, 1925



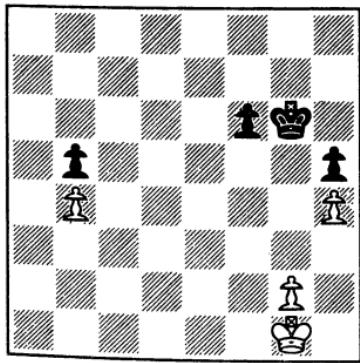
Draw

82 P. Keres, 1943



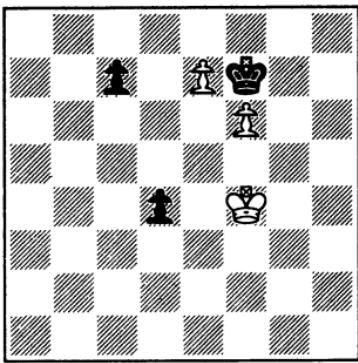
White wins

83 M. Botvinnik, 1948



White wins

84 J. Behting, 1894



White wins

Solutions to Test 14

- 79** 1 ♜c5 (1 ♜x d5 ♜b4 2 h4 c5 = or 2 ♜c6 ♜c4 3 h4 ♜d4 =) 1... d4
 2 ♜x d4 (2 ♜c4 c5 3. h4 d3 4 ♜c3 ♜a3 5 h5 c4 6 h6 d2 7 ♜x d2
 ♜b2 8 h7 c3 + 9 ♜d3 c2 10 h8(+) 2... ♜b4 3 h4 c5+ 4 ♜e3!
 ♜b3 5 h5 c4 6 h6 c3 7 h7 c2 8 ♜d2 ♜b2 9 h8(+) wins. **(25 MARKS)**
- 80** 1 ♜f2 ♜g4 2 ♜e3 h6 3 ♜f2 ♜f4 4 ♜e1 ♜e3 5 ♜f1 h5 (5... f2 6 h3
 ♜f3 7 h4 =) 6 ♜e1 f2+ 7 ♜f1 ♜f3 8 h3 =. If 2... h5 then 3 ♜f2
 ♜f4 4 ♜f1!! =. **(15 MARKS)**
- 81** 1 ♜f5! ♜h4 2 ♜f4 ♜h3 3 ♜f3 ♜h2 4 ♜f2 f6 5 ♜f3 ♜g1 6 ♜e4!!
 ♜f2 (6... ♜g2 7 ♜f5! wins) 7 ♜d5! =. **(15 MARKS)**
- 82** 1 ♜h2 ♜f5 2 ♜g2 ♜f6 3 ♜f1 ♜e5 4 ♜e1 ♜d4 5 ♜d2 ♜c4 6 e4
 ♜d4 7 f3 ♜c4 8 ♜e2 ♜d4 9 ♜f2 ♜e5 10 ♜f1! wins. **(15 MARKS)**
- 83** 1 ♜f2 ♜f5 2 ♜f3 ♜e5 3 g4 hg 4 ♜xg4 ♜e4 5 h5 f5+6 ♜h3 f4 7 h6
 wins. **(15 MARKS)**
- 84** 1 ♜f3!! (1 ♜e4 c5 2 ♜d3 ♜e8 3 ♜c4 ♜f7 =) 1... c6 2 ♜f4 c5
 3 ♜e4 ♜e8 4 ♜d5 ♜d7 5 ♜c4 ♜e8 6 ♜x c5 d3 7 ♜d6 ♜f7 8 ♜d7
 wins. **(15 MARKS)**

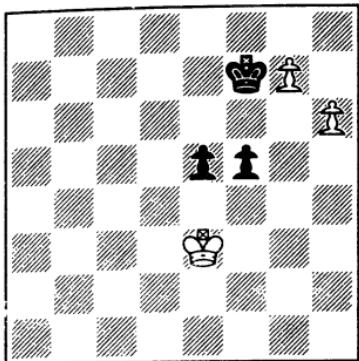
Total Marks Available**100****Your Score**

Your Percentage

Your Rating

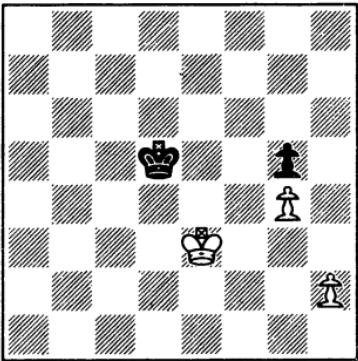
Test 15 *Time Allowed 90 minutes*

85 M. Karstedt, 1921



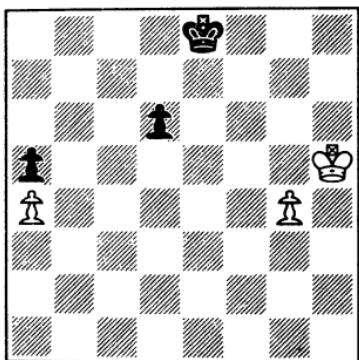
White wins

86 J. Kling, 1848



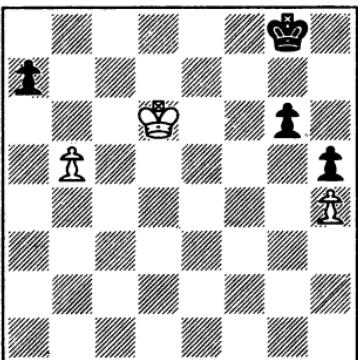
White wins

87 R. Réti, 1923



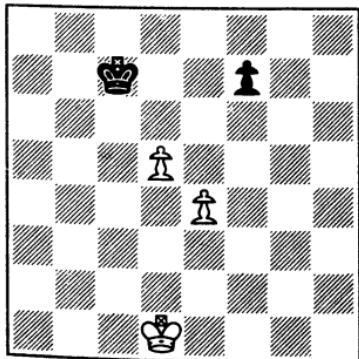
White wins

88 R. Réti, 1929



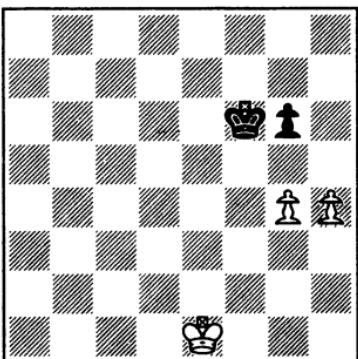
Draw

89 I. Moravec, 1950



White wins

90 A. Mandler, 1936



White wins

Solutions to Test 15

- 85** 1 ♜f3 ♜g8 2 ♜f2 ♜f7 3 ♜g3 ♜g8 4 ♜h4 ♜f7 5 ♜g5 f4 6 ♜g4 ♜g8 7 ♜f5 ♜f7 8 ♜e4! ♜g8 9 ♜xe5 wins. (15 MARKS)
- 86** 1 ♜f3 ♜e5 2 ♜g3 ♜f6 3 ♜f2 ♜e6 (3... ♜e5 4 ♜f3 ♜d5 5 ♜g3 ♜e5(e4) 6 h4 wins) 4 ♜g2 ♜f6 5 ♜g3 ♜g6 6 ♜f3 ♜f6 7 ♜e4 ♜e6 8 h3 wins. (20 MARKS)
- 87** 1 ♜g5! ♜f7 (1... ♜e7 ♜g6 wins) 2 ♜f5 ♜e7 3 ♜g6 ♜e6 (3... d5 4 ♜f5 ♜d6 5 g5 wins) 4 g5 wins. (15 MARKS)
- 88** 1 ♜d5! ♜g7 (1... ♜f7 2 ♜e5 ♜e7 3 ♜d5 ♜d7 [3... ♜f6 4 ♜c6! =] 4 ♜e5 ♜c7 5 ♜d5 ♜b6 6 ♜c4 ♜b7 [6... ♜a5 7 ♜c5 =] 7 ♜c5 ♜b8 8 ♜c4 ♜c8 9 ♜d4 =) 2 ♜e4 ♜f6 3 ♜f4 ♜e7 4 ♜e3 =. (20 MARKS)
- 89** 1 ♜e2 ♜d6 2 ♜f3 ♜e5 (2... f5 3 ef ♜x d5 4 ♜f4 wins) 3 ♜g4! f6! 4 ♜h5! f5 5 d6 ♜x d6 6 ef wins. (15 MARKS)
- 90** 1 ♜d2! (1 ♜f2? ♜f7 2 ♜f3 ♜f6 3 ♜f4 g5 =) 1... ♜e6 2 ♜e2! ♜f6 3 ♜d3 ♜e5 4 ♜e3 ♜f6 5 ♜d4 ♜e6 6 ♜e4 ♜f6 7 ♜d5 wins. (15 MARKS)

Total Marks Available

100

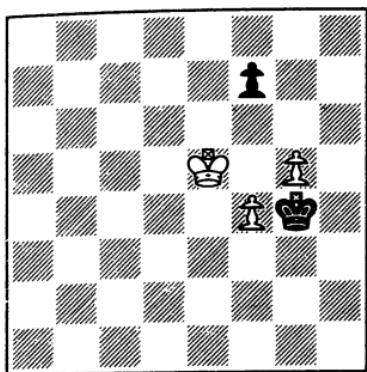
Your Score

Your Percentage

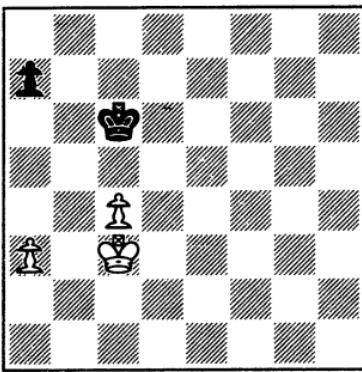
Your Rating

Test 16*Time Allowed 120 minutes*

91 I. Schultz, 1954

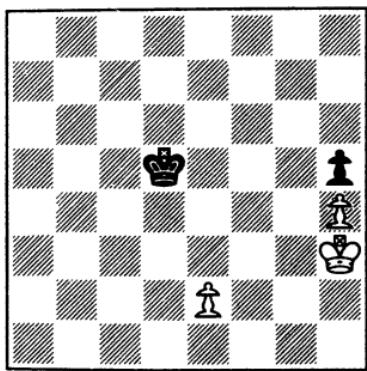


White wins

92 I. Maizelis, 1956
A. Livshits, 1979

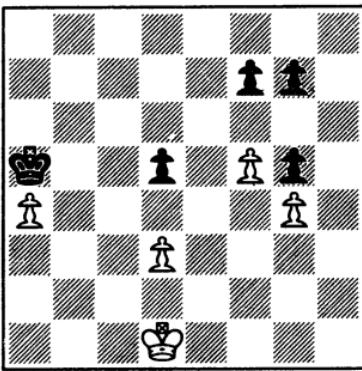
Draw

93 N. Grigoriev, 1936



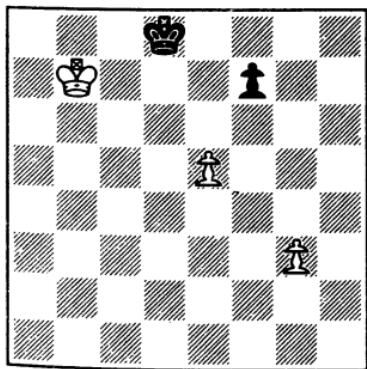
White wins

94 T. Gorgiev, 1929



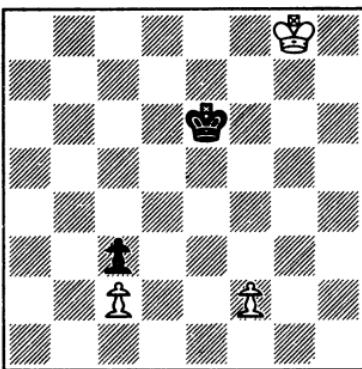
Draw

95 N. Grigoriev, 1928



White wins

96 N. Grigoriev, 1929



White wins

Solutions to Test 16

- 91** 1 ♜e4 ♜h4 2 ♜d5! ♜h5 (2... ♜g4 3 ♜e5 wins) 3 ♜d6 ♜g6
4 ♜e7 ♜g7 5 f5 ♜g8 6 f6 wins. **(10 MARKS)**
- 92** 1 ♜b4 ♜d7! (1... ♜b6? [According to Maizelis 1... ♜b6!] 2 a4
♗c6 3 a5 ♜b7 4 ♜b5 ♜c7 5 ♜c5 ♜d7 6 ♜d5 ♜c7 7 ♜e6 ♜c6 8 a6
wins) 2 ♜b5 (2 ♜c5 ♜c7 3 a4 ♜d7) 2... ♜d6! 3 a4 (3 ♜a6 ♜c5
4 ♜x a7 ♜x c4 =) 3... ♜c7 4 a5 (4 ♜a6 ♜b8 5 ♜a5 ♜b7 =) 4...
♜b7 5 ♜c5 ♜c7 6 ♜d5 ♜d7 7 a6 ♜c7 8 ♜e6 ♜c6 9 ♜e7 ♜c7 10 c5
♜c6 11 ♜d8 ♜x c5 12 ♜c7 ♜d5 13 ♜b7 ♜d6! =. **(20 MARKS)**
- 93** 1 ♜g3! (1 ♜g2? ♜e4 2 ♜f1 ♜f5! 3 ♜f2 ♜f4! 4 e3+ ♜g4 = or
1 ♜h2? ♜d4 2 ♜g1 ♜e5 =) 1... ♜e4 2 ♜g2! ♜e3 (2... ♜f4
3 ♜f2 ♜g4 4 ♜e3 ♜x h4 5 ♜f4 wins) 3 ♜f1 ♜e4 4 ♜e1! ♜e3
(4... ♜f5 5 ♜d2 ♜g4 6 ♜e3 wins) 5 ♜d1 ♜f4 6 ♜d2 ♜e4 7 e3
♜f3(f5) 8 ♜d3 ♜g3 (8... ♜g4 9 e4 ♜f4 10 ♜d4 wins) 9 ♜e4
♜g4 10 ♜e5 ♜x h4 11 ♜f4 ♜h3 12 e4 ♜g2 13 e5 (13 ♜g5? ♜g3 =)
13... h4 14 e6 h3 15 e7 h2 16 e8(+) wins. **(20 MARKS)**
- 94** 1 ♜c2 ♜b4! 2 a5! (2 ♜b2 d4 wins) 2... ♜x a5 3 ♜c3 ♜b5 4 ♜d4
♜c6 5 ♜e5 ♜c5 6 f6!! gf+ 7 ♜x f6 ♜d4 8 ♜x g5 ♜e5! 9 d4+!
(9 ♜h4 ♜f4 10 d4 f6 11 ♜h5 ♜f3 wins) 9... ♜x d4 10 ♜f6 ♜e4 11
♜x f7 ♜f4 12 ♜f6!! =. **(20 MARKS)**
- 95** 1 ♜c6 ♜e7 2 ♜d5 ♜d7 3 ♜d4 ♜e7 4 ♜e3 ♜d7 5 ♜f4 ♜e6 6 ♜e4
♜d7 7 ♜f5 ♜e7 8 g4 ♜e8 9 ♜f6 (9 e6 ♜e7) 9... ♜f8 10 g5 ♜e8
11 ♜g7 (11 e6 ♜f8 =) 11... ♜e7 12 ♜g8 ♜e8 13 e6 wins.
(15 MARKS)
- 96** 1 ♜g7 ♜e5 2 ♜f7 ♜f5 (2... ♜f4 3 ♜e6 ♜f3 4 ♜d5 wins) 3 ♜e7
爵e5 4 ♜d7 ♜d5 5 ♜c7 (5 ♜f4 ♜e4 6 ♜e6 ♜e3 = or 6 ♜f5 ♜x f5 7 ♜d6
爵f6 =) 5... ♜c5 6 f4 ♜d4 7 f5 ♜e5 8 ♜c6 ♜x f5 9 ♜d5 wins.
(15 MARKS)

Total Marks Available

100

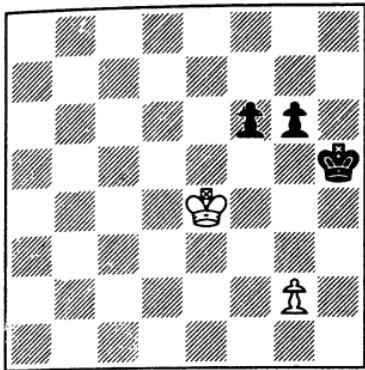
Your Score

Your Percentage

Your Rating

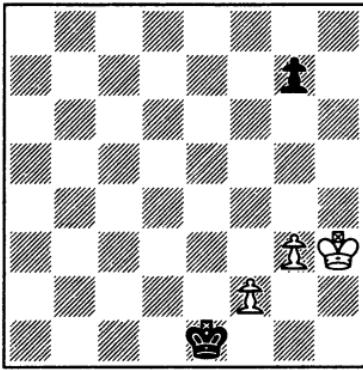
Test 17 Time Allowed 150 minutes

97 N. Grigoriev, 1932



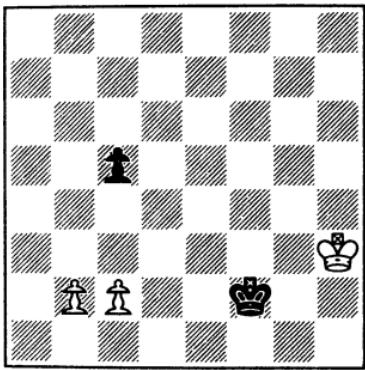
Draw

98 N. Grigoriev, 1934



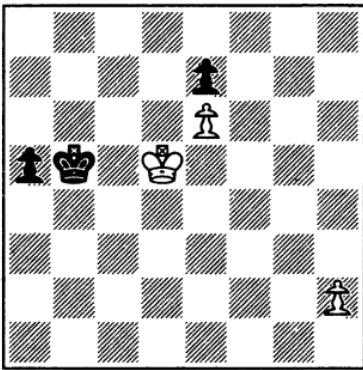
White wins

99 N. Grigoriev, 1937



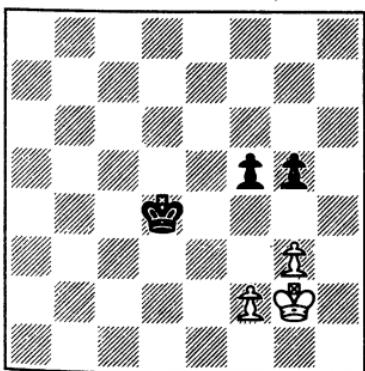
White wins

100 N. Grigoriev, 1936



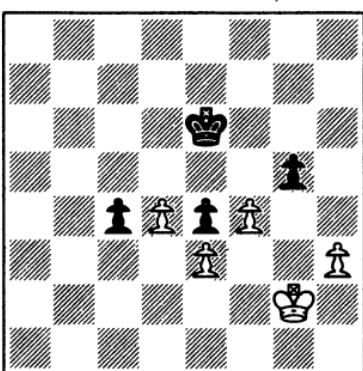
Draw

101 M. Botvinnik, 1952



White to move
Black wins

102 V. Chekhover, 1951



White wins

Solutions to Test 17

- 97** 1 ♜d5 ♜g4 (1...f5 2 ♜e6 f4 3 ♜f6 g5 4 ♜e5! = or 1... ♜h6 2 ♜e6 f5 3 g3! = or 1... ♜g5 2 ♜e6 f5 3 ♜f7 f4 4 ♜e6 ♜g4 5 ♜f6 ♜h5 6 ♜e6 ♜g4 7 ♜f6 g5 8 ♜g6 ♜h4 9 ♜f5 =) 2 ♜e6 f5 (2... ♜g5 3 g3! =) 3 ♜f6 g5 4 ♜e5 f4 5 ♜f6 ♜h4 6 ♜f5 ♜h5 7 ♜e5! ♜g6 8 ♜e4 ♜h5 9 ♜e5 =. **(20 MARKS)**
- 98** 1 ♜g2! ♜e2 2 g4!! (2 f3 ♜e3 3 g4 g6 4 ♜g3 g5! =) 2... ♜d3 3 ♜f3! g5 4 ♜g2! ♜d4 (4... ♜e4 5 ♜g3 ♜e5 6 ♜f3 ♜d4 7 ♜e2 ♜e4 8 f3+ ♜d4 9 ♜d2 ♜d5 10 ♜d3 wins) 5 ♜f1! ♜e5 6 ♜e2 ♜e4 7 f3 wins. **(15 MARKS)**
- 99** 1 ♜g4 (1 c3 ♜f3 2 ♜h4 ♜f4 =) 1... ♜e3 2 c3 ♜e4 (2... ♜d3 3 ♜f4 ♜c2 4 b4 c4 5 b5 wins) 3 ♜g5 ♜e5 4 ♜g6 ♜e6 5 ♜g7 ♜e7 (5... c4 6 ♜g6 ♜e5 7 ♜g5 ♜e4 8 ♜f6 wins; 5... ♜f5 6 ♜f8! c4 7 ♜f7 wins) 6 c4 ♜e6 7 ♜f8 ♜f6 8 b3 wins. **(20 MARKS)**
- 100** 1 ♜d4 ♜b4 2 ♜d3 ♜b3 3 ♜d2 ♜c4 4 ♜c2 ♜d5 5 ♜d3 ♜xe6 6 ♜a4 ♜f5 (6... ♜d5 7 h4 e6 8 h5 ♜e6 9 ♜xa5) 7 ♜xa5 e5 8 ♜b4 ♜f4 9 ♜c3 ♜f3 10 ♜d2 ♜f2 11 ♜d3 =. **(15 MARKS)**
- 101** 1 ♜h1 ♜e4 2 ♜g2 (2 ♜h2 ♜f3 3 ♜g1 ♜e2 4 ♜g2 f4 5 f3 g4 wins) 2... ♜d3 3 ♜f1 (3 ♜h1 ♜d2 4 ♜h2 ♜d1 5 ♜h1 f4 6 gf gf 7 ♜h2 ♜el wins) 3... ♜d2 4 ♜g2 ♜e1 5 ♜f3 ♜f1 6 ♜e3 ♜g2 wins. If 1 ♜f1 ♜d3 2 ♜el f4 3 g4 ♜c2! 4 ♜e2 ♜c1 5 ♜d3 ♜d1 6 ♜e4 ♜e2 7 f3 ♜f2 wins. **(15 MARKS)**
- 102** 1 f5+ ♜xf5 2 ♜f1 (2 ♜f2 g4 3 hg+ ♜g4 4 ♜e2 c3! =) 2... c3 (2... g4 3 hg+ ♜xg4 4 ♜f2 c3 5 ♜e2 wins) 3 ♜e1! g4 4 hg ♜xg4 5 ♜e2 c2 6 ♜d2 ♜f3 7 d5 wins. **(15 MARKS)**

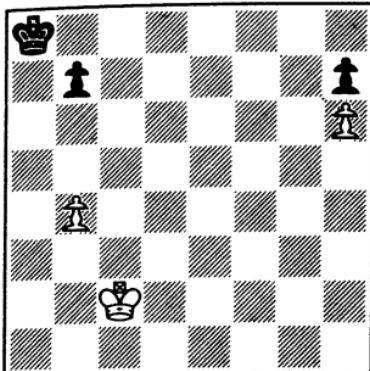
Total Marks Available**100****Your Score**

Your Percentage

Your Rating

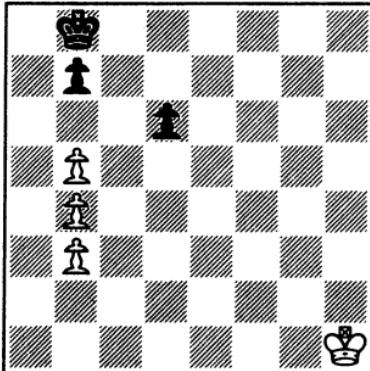
Test 18*Time Allowed 150 minutes*

103 N. Grigoriev, 1933



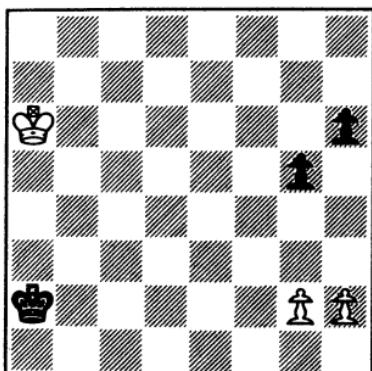
White wins

104 N. Grigoriev, 1929



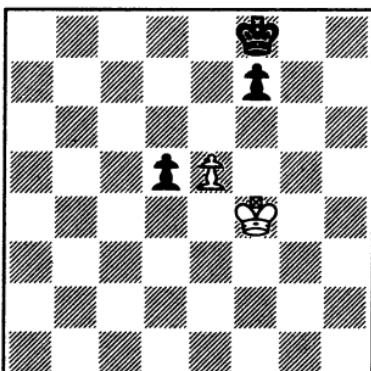
Draw

105 N. Grigoriev, 1929



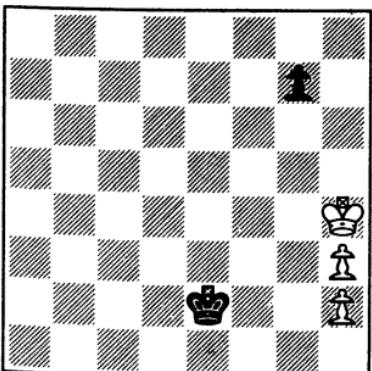
White wins

106 V. Halberstadt, 1935



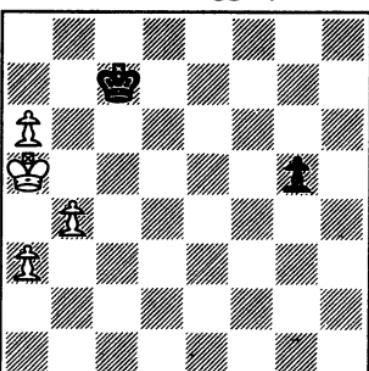
Draw

107 N. Grigoriev, 1932



White wins

108 S. Isenegger, 1956



White wins

Solutions to Test 18

- 103** 1 ♜d3! ♜b8 2 ♜e4 ♜c8 (2... ♜c7 3 ♜e5 wins) 3 ♜d4 ♜d8 (3... ♜d7 4 ♜d5 wins, or 3... b6 4 ♜e5 ♜d7 5 ♜f6 b5 6 ♜e5 wins) 4 ♜c4 ♜c8 5 ♜b5 ♜c7 6 ♜c5 ♜b8 7 ♜b6 ♜a8 8 ♜c7 ♜a7 9 b5 ♜a8 10 ♜d7 wins. **(15 MARKS)**
- 104** 1 ♜g2! ♜c7 2 ♜f3 ♜d7 (2... ♜b6 3 ♜e4 ♜x b5 4 ♜d5 ♜x b4 5 ♜x d6 ♜x b3 6 ♜c5 =) 3 ♜f4! (3 ♜e4? ♜e6 wins) 3... ♜e6 4 ♜e4 b6 5 ♜d4 d5 6 ♜e3 ♜e5 7 ♜d3 d4 8 ♜c4 ♜e4 =. If 4... d5+ 5 ♜d4 ♜d6 6 b6! ♜e6 7 b5! ♜d6 8 b4! ♜e6 9 ♜c5 ♜e5 =. **(15 MARKS)**
- 105** 1 g4 ♜a3 (1... ♜b3 2 ♜b5 wins) 2 ♜a5! (2 ♜b5 ♜b3 3 ♜c5 ♜c3 4 ♜d5 ♜d3 5 ♜e5 ♜e3 6 ♜f5 ♜f3 =) 2... ♜b2 3 ♜b6! (3 ♜b4? ♜c2 4 ♜c4 ♜d2 5 ♜d4 ♜e2 6 ♜e4 ♜f2 7 ♜f5 ♜f3 =) 3... ♜b3 4 ♜b5 ♜c2 5 ♜c6 ♜c3 6 ♜c5 ♜d2 7 ♜d6 ♜d3 8 ♜d5 ♜e2 9 ♜e6 ♜e3 10 ♜e5 wins (10... ♜f2 11 ♜f6 ♜f3 12 ♜f5 ♜g2 13 ♜g6 ♜h3 14 ♜h5 ♜x h2 15 ♜x h6 wins). **(20 MARKS)**
- 106** 1 ♜g4! (1 ♜e3? ♜e7 2 ♜d3 [2 ♜d4? ♜e6 wins, or 2 ♜f3? ♜e6 3 ♜f4 d4 4 ♜e4 d3 5 ♜x d3 ♜x e5] 2... ♜d7 3 ♜c3 [3 ♜e3 ♜c7 4 ♜f4 ♜c6 5 ♜f5 d4 wins] 3... ♜c7 4 ♜b3 ♜b6 5 ♜b4 ♜c6 6 ♜c3 ♜c5 wins) 1... ♜e8 2 ♜g5! (2 ♜f5? ♜e7 3 ♜g5 ♜e6 4 ♜f4 d4 5 ♜e4 d3 wins) 2... ♜e7 3 ♜f5 ♜d7 4 ♜f6 ♜e8 5 ♜g5! =. **(20 MARKS)**
- 107** 1 ♜g3! (1 ♜g5? ♜f3 2 h4 ♜g2 3 h5 ♜h3! =, or 1 ♜g4? ♜f2 2 h4 ♜g2 3 h3 g6! =) 1... ♜e3 (1... ♜f1 2 h4 g6 3 ♜f4! ♜g2 4 h5 gh 5 h4 wins) 2 h4 ♜e4 3 ♜g4 ♜e5 (3... g6 4 ♜g5 wins) 4 ♜g5 ♜e4 5 h5 ♜f3 6 ♜f5! ♜-any 7 ♜g6 wins. **(15 MARKS)**
- 108** 1 a7! ♜b7 2 a8(+)! ♜x a8 3 ♜b6 g4 (3... ♜b8 4 ♜c5 wins) 4 ♜c7 g3 5 b5 g2 6 b6 g1(+) 7 b7+ ♜a7 8 b8(+) + ♜a6 9 ♜b7+ ♜a5 10 ♜b4+ ♜a6 11 ♜a4 mate. **(15 MARKS)**

Total Marks Available

100

Your Score

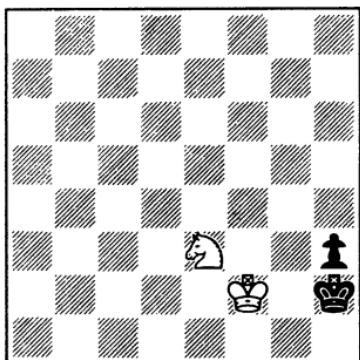
Your Percentage

Your Rating

two

KNIGHT AGAINST PAWNS

One should start to familiarize oneself with the ideas in this section by looking at studies Nos 109 and 110. The possibility of a lone knight winning against a pawn was known as far back as the 13th century from the manuscript *Bonus Socius*. Here is the position from that manuscript.



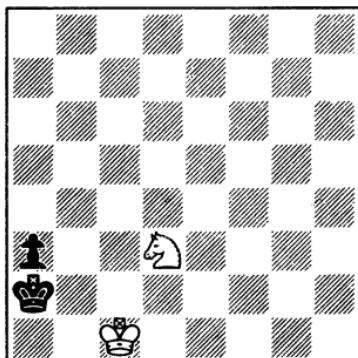
White wins whoever is to move.

White to move: 1 ♟g4+ ♜h1
2 ♜fl h2 3 ♟f2 mate.

Black to move: 1 ... ♜h1
2 ♜fl h2 3 ♟g3 mate.

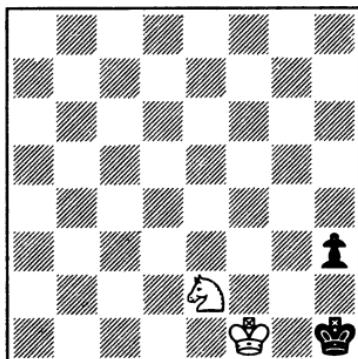
In 1634 A. Salvio published several positions in which this theme was reworked. The first of these is below.

1 ♜c2 ♜al 2 ♜cl a2 3 ♟b3
mate.



White to play and win.

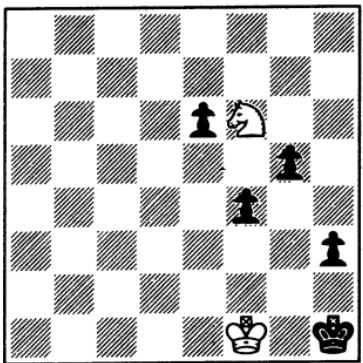
In 1745 F. Stamma made his contribution to the theme.



White to play and win.

1 ♟g3+ (*Also possible is 1 ♜f2 ♜h2*) 1 ... ♜h2 2 ♜f5 ♜h1 3 ♜f2
爵h2 4 ♜e3 ♜h1 5 ♜f1 h2 6 ♜g3
mate.

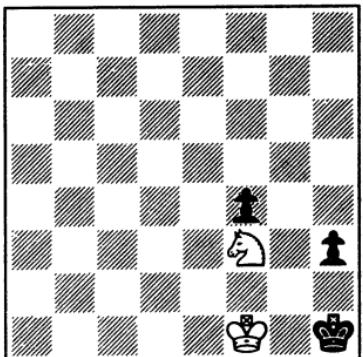
In 1832 J. Mendheim's study was published.



White wins.

His solution: 1 $\mathbb{Q}g4$ and (a) 1... f3 2 $\mathbb{Q}f2$ e5 3 $\mathbb{Q}xe5$ $\mathbb{Q}h2$ (3... g4 4 $\mathbb{Q}xg4$ h2 5 $\mathbb{Q}f1$ f2 6 $\mathbb{Q}f2$ mate) 4 $\mathbb{Q}g4+$ $\mathbb{Q}h1$ 5 $\mathbb{Q}f1$ f2 6 $\mathbb{Q}xf2$ h2 7 $\mathbb{Q}e3$ g4 8 $\mathbb{Q}f1$ g3+ 9 $\mathbb{Q}xg3$ mate or (b) 1... e5 2 $\mathbb{Q}xe5$ $\mathbb{Q}h2$ (2... f3 3 $\mathbb{Q}g4!$ f2 4 $\mathbb{Q}xf2$ or 2... g4 3 $\mathbb{Q}xg4$ f3 4 $\mathbb{Q}f2$ h2 5 $\mathbb{Q}f1$ f2 6 $\mathbb{Q}xf2$ mate) 3 $\mathbb{Q}f2$ $\mathbb{Q}h1$ (3... f3 4 $\mathbb{Q}g4+$ $\mathbb{Q}h1$ 5 $\mathbb{Q}f1$ f2 6 $\mathbb{Q}xf2$) 4 $\mathbb{Q}g4$ f3 5 $\mathbb{Q}f1$ f2 6 $\mathbb{Q}xf2$ h2 7 $\mathbb{Q}e3$ g4 8 $\mathbb{Q}f1$ g3+ 9 $\mathbb{Q}xg3$ mate.

In 1837 K.Jaenisch published three studies on the same theme.

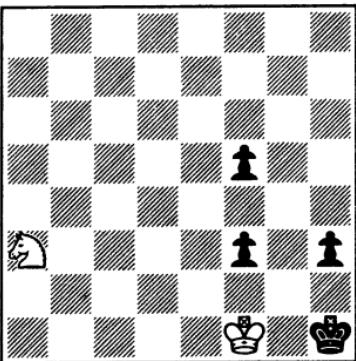


White wins whoever is to move.

With White to move: 1 $\mathbb{Q}e5$ f3 2 $\mathbb{Q}g4$ f2 3 $\mathbb{Q}xf2+$ $\mathbb{Q}h2$ 4 $\mathbb{Q}e4$ $\mathbb{Q}h1$ 5 $\mathbb{Q}f2$ $\mathbb{Q}h2$ 6 $\mathbb{Q}d2$ $\mathbb{Q}h1$

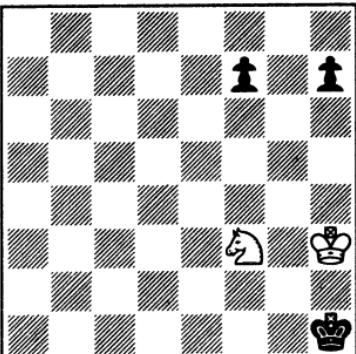
7 $\mathbb{Q}f1$ h2 8 $\mathbb{Q}g3$ mate; or 1... $\mathbb{Q}h2$ (1... h2 2 $\mathbb{Q}g4$ f3 3 $\mathbb{Q}f2$ mate) 2 $\mathbb{Q}f2$ $\mathbb{Q}h1$ (2... f3 3 $\mathbb{Q}g4+$ $\mathbb{Q}h1$ 4 $\mathbb{Q}f1$ wins) 3 $\mathbb{Q}g4$ f3 4 $\mathbb{Q}f1$ f2 5 $\mathbb{Q}xf2$ wins.

With Black to move: 1... h2 2 $\mathbb{Q}e5$ f3 3 $\mathbb{Q}g4$ f2 4 $\mathbb{Q}xf2$ mate.



White wins.

Solution: 1 $\mathbb{Q}c4$ $\mathbb{Q}h2$ (1... h2 2 $\mathbb{Q}b2$ f4 3 $\mathbb{Q}d3$ f2 4 $\mathbb{Q}xf2$ mate, or 1... f4 2 $\mathbb{Q}e5$ $\mathbb{Q}h2$ 3 $\mathbb{Q}f2$ $\mathbb{Q}h1$ 4 $\mathbb{Q}g4$ h2 5 $\mathbb{Q}f1$ f2 6 $\mathbb{Q}xf2$ mate) 2 $\mathbb{Q}f2$ $\mathbb{Q}h1$ (2... f4 3 $\mathbb{Q}e5$ $\mathbb{Q}h1$ 4 $\mathbb{Q}g4$ wins) 3 $\mathbb{Q}d2$ $\mathbb{Q}h2$ (3... f4 4 $\mathbb{Q}e4$ $\mathbb{Q}h2$ 5 $\mathbb{Q}f6$ $\mathbb{Q}h1$ 6 $\mathbb{Q}g4$ wins) 4 $\mathbb{Q}f3+$ $\mathbb{Q}h1$ 5 $\mathbb{Q}f1$ f4 and White wins as in the preceding diagram.

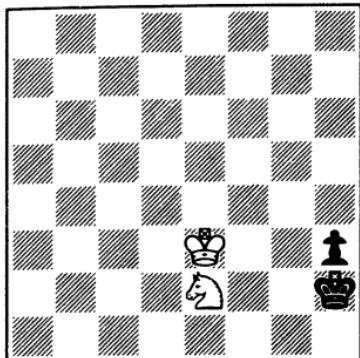


White wins.

Solution: 1 $\mathbb{Q}g3$ f5 2 $\mathbb{Q}f2$ h5 3 $\mathbb{Q}f1$ f4 4 $\mathbb{Q}f2$ h4 5 $\mathbb{Q}f1$ h3 6 $\mathbb{Q}e5$

$\text{Qh2} 7 \text{Qf2 Qh1} 8 \text{Qg4 f3} 9 \text{Qf1 f2}$
 $10 \text{Qxf2+ Qh2} 11 \text{Qe4 Qh1} 12$
 $\text{Qf2 Qh2} 13 \text{Qd2 Qh1} 14 \text{Qf1 h2}$
 15Qg3 mate.

In 1906 one of the world's great study composers — A. Troitsky — had his turn.



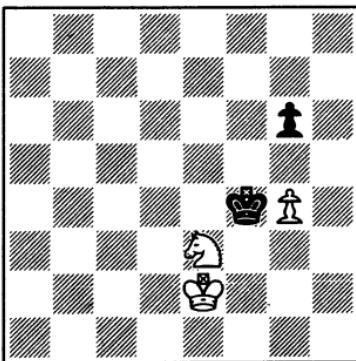
White wins.

$1 \text{Qf3 Qh1} 2 \text{Qf2 Qh2} 3 \text{Qc3}$
 $\text{Qh1} 4 \text{Qe4 Qh2} 5 \text{Qd2 Qh1} 6$
 $\text{Qf1 h2} 7 \text{Qg3 mate.}$

One of the main themes in this section is the various devices that a knight can employ against one or two passed pawns either isolated or connected. As a rule connected passed pawns are most dangerous when they have reached the sixth rank, especially if supported by the king. It is useful to trace how the king and knight, sometimes by unexpected manœuvres, can neutralize or blockade the pawns. Equally instructive are those circumstances when a whole knight will not ensure victory. These usually occur when there

are very few pawns on the board. Here are two examples from actual play which are very 'study like'.

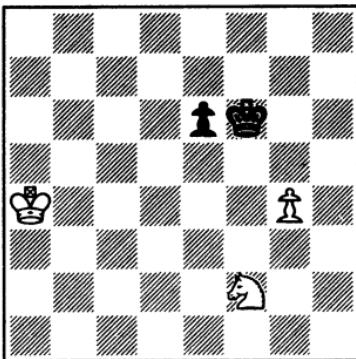
Blackburne v Zuckertort, 1881



Black to move and draw.

$1 \dots \text{Qg3} (1 \dots \text{Qe4} 2 \text{Qg2! wins, or } 1 \dots \text{g5} 2 \text{Qf2 wins}) 2 \text{Qd3 Qf3}$
 $(2 \dots \text{Qf4? } 3 \text{Qd4 Qf3} 4 \text{Qe5}$
 $\text{Qxe3} 5 \text{Qf6 Qf4} 6 \text{g5 wins}) 3$
 $\text{Qd4 Qf4} 4 \text{Qd5 Qxe3} 5 \text{Qe5}$
 $\text{Qf3} 6 \text{Qf6} (6 \text{g5? Qg4} 7 \text{Qf6 Qh5}$
 $\text{wins}) 6 \dots \text{Qxg4} 7 \text{Qxg6} =.$

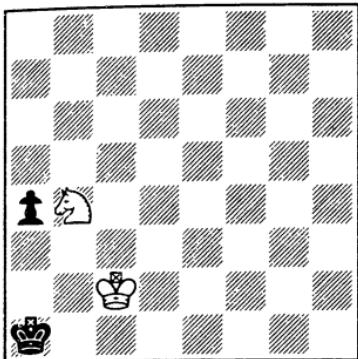
Nimzowitsch v Rubinstein,
1911



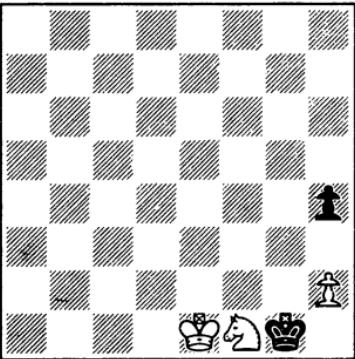
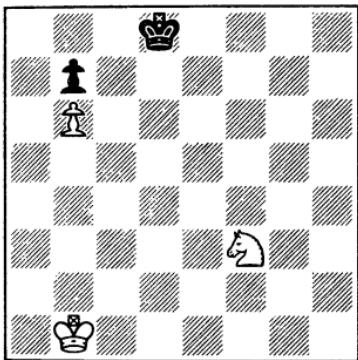
Black to move and draw.

$1 \dots \text{Qg5} 2 \text{Qb4 e5} 3 \text{Qc4 e4}$
 $4 \text{Qd4 Qf4} =. 4 \dots \text{e3 follows.}$

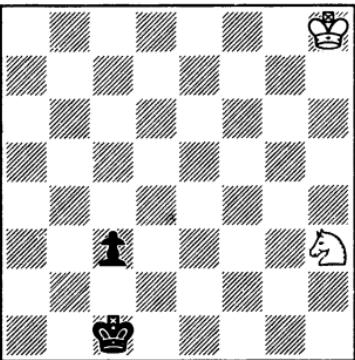
Test 19 Time Allowed 60 minutes

109 Instructive Position

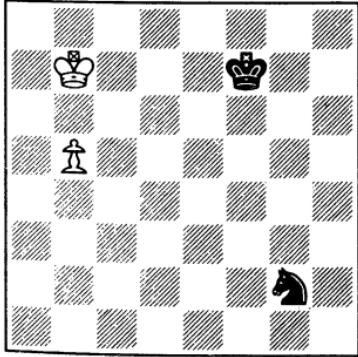
White wins

110 A. Chéron, 1926White to move — draw
Black to move — White wins**111** Instructive Position

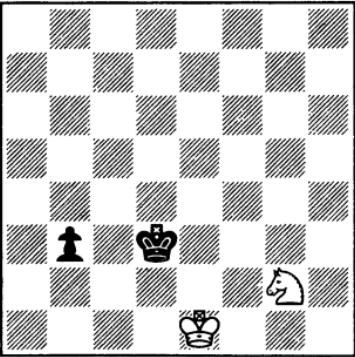
White wins

112 A. Chéron, 1924

Draw

113 F. Prokes, 1935

White wins

114 Blatter and Hefell, 1944

Draw

Solutions to Test 19

- 109** 1 ♜c1 a3 2 ♜c2+ ♜a2 3 ♜d4 ♜a1 4 ♜c2 ♜a2 5 ♜e2 ♜a1 6 ♜c1 wins. (5 MARKS)
- 110** (a) White to move: 1 ♜e2 ♜g2 2 ♜e3+ ♜h2 3 ♜f2 ♜h3 =. (5 MARKS)
- (b) Black to move: 1... ♜g2 2 ♜e2 h3 3 ♜e3 wins (2... ♜gl 3 ♜f3 wins). (5 MARKS)
- 111** 1 ♜e5 ♜e7 2 ♜c6+! ♜d6 3 ♜a7 wins. (5 MARKS)
- 112** 1 ♜f4!! c2 (1... ♜d2 2 ♜e6=) 2 ♜e2 ♜d1 3 ♜c3+ ♜-any 4 ♜a2 =. (10 MARKS)
- 113** 1 b6! ♜e3 (1... ♜f4 2 ♜c8! ♜d5 3 b7 ♜b6+ 4 ♜d8 wins) 2 ♜a6! ♜d5 3 b7 wins. (10 MARKS)
- 114** 1 ♜d1 b2 2 ♜f4+ ♜c3 3 ♜e2+ ♜b3 4 ♜c1+!! =. (10 MARKS)

Total Marks Available 50

Your Score _____

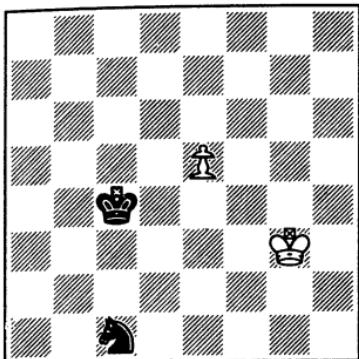
Your Percentage _____

Your Rating _____

Test 20

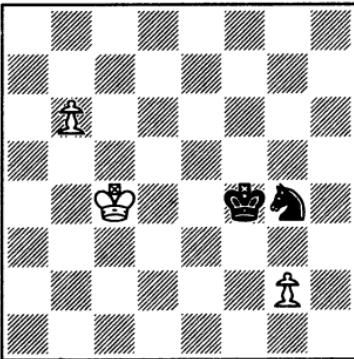
Time Allowed 70 minutes

115 I. Moravec, 1937



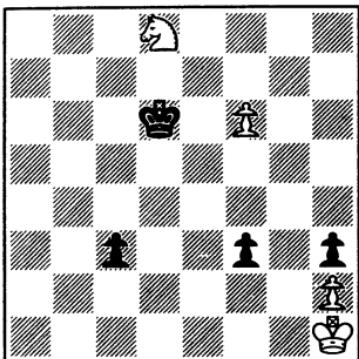
White wins

116 H. Rinck, 1937



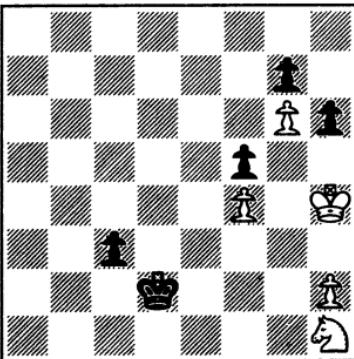
White wins

117 H. Rinck, 1908



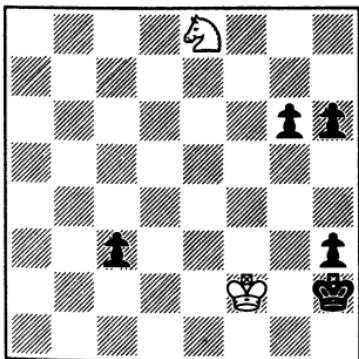
Draw

118 M. Lewitt, 1947



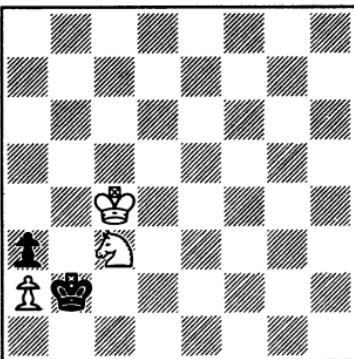
Draw

119 A. Salvio, 1634



White wins
whoever is to move

120 I. Berger, 1885



White wins

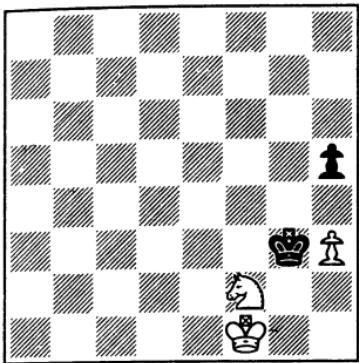
Solutions to Test 20

- 115** 1 e6 ♜e2+ 2 ♜h2! wins. **(5 MARKS)**
- 116** 1 ♜d5 ♜e5 2 g3+ wins. **(5 MARKS)**
- 117** 1 f7 ♜e7 2 ♜e6 ♜×f7 3 ♜g5+ ♜f6 4 ♜×f3 c2 5 ♜g1! =. **(10 MARKS)**
- 118** 1 ♜g3 c2 2 ♜e2 ♜×e2 3 ♜h5 followed by 4 h4 and stalemate. **(10 MARKS)**
- 119** (a) White to move: 1 ♜f6 ♜h1 2 ♜g4 g5 3 ♜f1 wins. **(5 MARKS)**
 (b) Black to move: 1...g5 2 ♜f6 ♜h1 3 ♜g4 h2 4 ♜e3 g4 5 ♜f1 or 1...♜h1 2 ♜f6 ♜h2 3 ♜g4 ♜h1 4 ♜f1 g5 5 ♜f2 h2 6 ♜e3 g4 7 ♜f1 wins. **(5 MARKS)**
- 120** 1 ♜d3 ♜a1 2 ♜b5 ♜b2 3 ♜d2 ♜b1 4 ♜c3 ♜×a2 5 ♜c2 ♜a1 6 ♜d4 ♜a2 7 ♜e2 ♜a1 8 ♜c1 wins. **(10 MARKS)**

Total Marks Available	50
Your Score	_____
Your Percentage	_____
Your Rating	_____

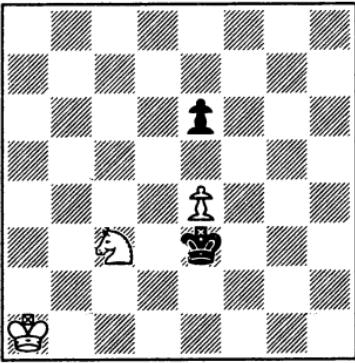
Test 21 Time Allowed 70 minutes

121 A. Chéron, 1926



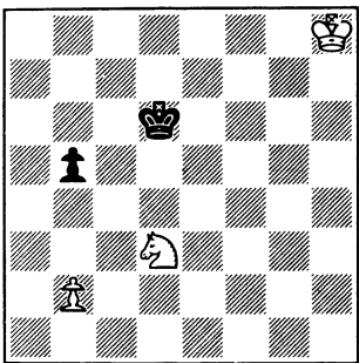
Draw

122 A. Chéron, 1947



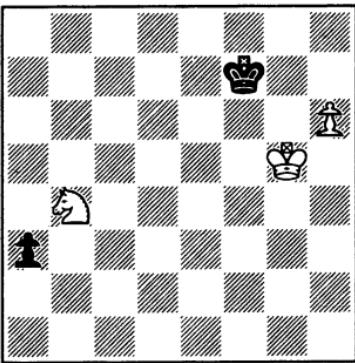
White to move – win
Black to move – draw

123 R. Fine, 1941



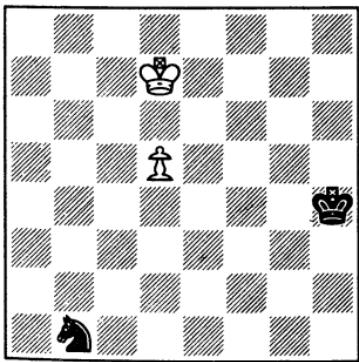
White wins
whoever is to move

124 N. Grigoriev, 1933



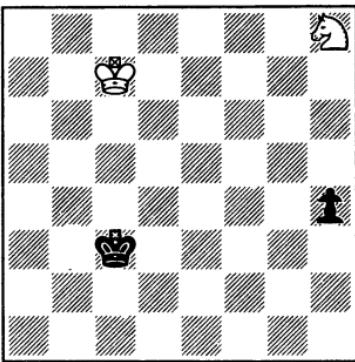
White to move – win
Black to move – draw

125 I. Moravec, 1938



White wins

126 N. Grigoriev, 1932



Draw

Solutions to Test 21

- 121** 1 ♕g1 h4 2 ♕f1 ♕h2 3 ♕e2 ♕g2 4 ♕e3 ♕g3 5 ♕e4 ♕xf2 6 ♕f4
♕e2! =. (5 MARKS)
- 122** (a) White to move: 1 ♕a2!! wins. (5 MARKS)
 (b) Black to move: 1... ♕d3 2 ♕b2 ♕d2 3 ♕b3 ♕d3 4 ♕b4
♕d4 5 ♕b5 ♕xc3 =. (5 MARKS)
- 123** (a) White to move: 1 b4 ♕d5 2 ♕c5 ♕c4 3 ♕a6 ♕d5 4 ♕g7 wins.
(5 MARKS)
 (b) Black to move: 1... ♕d5 2 ♕g7 ♕d4 3 ♕c1 ♕e3 4 ♕b3 ♕d3
5 ♕a5 ♕c2 6 b4 ♕c3 7 ♕c6 ♕c4 8 ♕f6 ♕d5 9 ♕a5 wins.
(5 MARKS)
- 124** (a) White to move: 1 ♕a2! ♕f8 2 ♕f6 ♕g8 3 ♕g6 ♕h8 4 ♕b4
♕g8 5 h7+ ♕h8 6 ♕c6 a2 7 ♕e5 wins. (5 MARKS)
 (b) Black to move: 1... ♕g8 2 ♕g6 (2 ♕f6 ♕h7 3 ♕g5 ♕g8=)
2... ♕h8 3 ♕a2 ♕g8 =. (5 MARKS)
- 125** 1 d6 ♕c3 (1... ♕d2 2 ♕c7!! ♕e4 3 d7 ♕c5 4 d8(+) 2 ♕c6 ♕e2
3 d7 ♕d4+ 4 ♕d5 wins. (5 MARKS)
- 126** 1 ♕f7 h3 2 ♕g5 h2 3 ♕e4+ ♕c2 (3... ♕d4 4 ♕f2=) 4 ♕g3! ♕d1
5 ♕d6 ♕e1 6 ♕e5 ♕f2 7 ♕f4 =. (10 MARKS)

Total Marks Available

50

Your Score

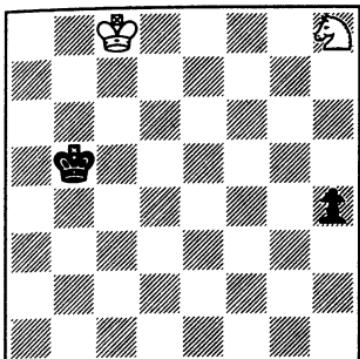
Your Percentage

Your Rating

Test 22

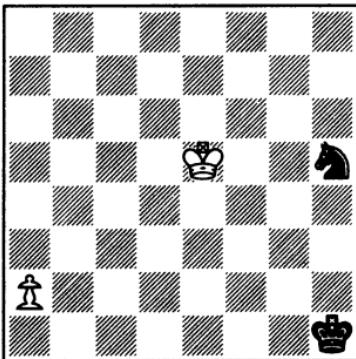
Time Allowed 75 minutes

127 I. Selman, 1941



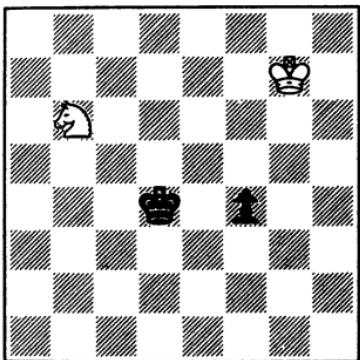
Draw

128 A. Chéron, 1936



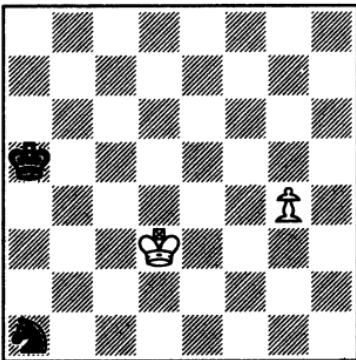
Draw

129 J. Möller and Giersing, 1921



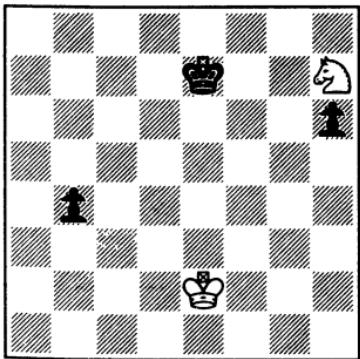
Draw

130 N. Grigoriev, 1932



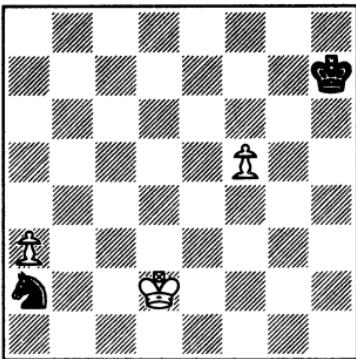
White wins

131 N. Grigoriev, 1934



Draw

132 N. Grigoriev, 1934



White wins

Solutions to Test 22

- 127 1 $\mathbb{Q}f7$ h3 2 $\mathbb{Q}d6+$ $\mathbb{Q}b6$ 3 $\mathbb{Q}e4$ h2 4 $\mathbb{Q}f2!$ $\mathbb{Q}c6$ 5 $\mathbb{Q}b8!$ $\mathbb{Q}d6$ 6 $\mathbb{Q}b7$ $\mathbb{Q}e6$ 7 $\mathbb{Q}c6$ $\mathbb{Q}f5$ 8 $\mathbb{Q}d5$ $\mathbb{Q}f4$ 9 $\mathbb{Q}d4$ $\mathbb{Q}f3$ 10 $\mathbb{Q}h1=.$ (10 MARKS)
- 128 1 a4 $\mathbb{Q}g7$ 2 a5 $\mathbb{Q}e8$ 3 a6 $\mathbb{Q}c7$ 4 a7 $\mathbb{Q}g2$ 5 $\mathbb{Q}f6$ $\mathbb{Q}f3$ 6 $\mathbb{Q}e7$ $\mathbb{Q}e4$ 7 $\mathbb{Q}d7$ $\mathbb{Q}a8$ 8 $\mathbb{Q}c6$ $\mathbb{Q}e5=.$ (10 MARKS)
- 129 1 $\mathbb{Q}c8$ f3 2 $\mathbb{Q}d6$ $\mathbb{Q}e3$ 3 $\mathbb{Q}c4+!$ $\mathbb{Q}e2$ 4 $\mathbb{Q}d6!=$ (2... $f2$ 3 $\mathbb{Q}f5+$ \mathbb{Q} -any 4 $\mathbb{Q}g3=)$ (5 MARKS)
- 130 1 g5 $\mathbb{Q}b3$ 2 $\mathbb{Q}e4$ $\mathbb{Q}d2+$ (2... $\mathbb{Q}c5+$) 3 $\mathbb{Q}f4$ $\mathbb{Q}c4$ 4 g6 $\mathbb{Q}b6$ 5 $\mathbb{Q}e5$ wins. (5 MARKS)
- 131 1 $\mathbb{Q}d3$ $\mathbb{Q}f7$ 2 $\mathbb{Q}c4$ $\mathbb{Q}g6!$ 3 $\mathbb{Q}f8+$ (3 $\mathbb{Q} \times b4?$ h5 4 $\mathbb{Q}f8+$ $\mathbb{Q}f5!$ wins) 3... $\mathbb{Q}f5$ 4 $\mathbb{Q}d7$ h5 5 $\mathbb{Q}c5!$ h4 6 $\mathbb{Q}b3$ h3 7 $\mathbb{Q}d2$ h2 8 $\mathbb{Q}f1=.$ (10 MARKS)
- 132 1 $\mathbb{Q}d3!$ $\mathbb{Q}c1+$ 2 $\mathbb{Q}c4$ $\mathbb{Q}e2$ 3 a4 $\mathbb{Q}g3$ 4 f6 $\mathbb{Q}e4$ 5 a5 (5 $\mathbb{Q}d5$ $\mathbb{Q}c3+$ 6 $\mathbb{Q}e6$ $\mathbb{Q}g8$ 7 $\mathbb{Q}e7$ $\mathbb{Q}d5+=)$ 5... $\mathbb{Q}d6$ (5... $\mathbb{Q}g8$ 6 $\mathbb{Q}d5!$ wins) 6 $\mathbb{Q}d5$ $\mathbb{Q}c8$ 7 $\mathbb{Q}e6$ or $\mathbb{Q}c6$ wins. (10 MARKS)

Total Marks Available

50

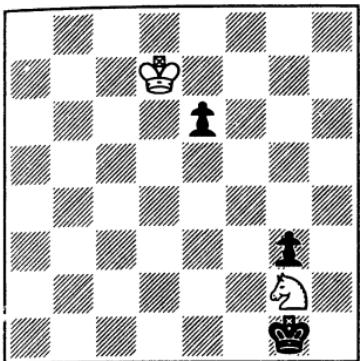
Your Score

Your Percentage

Your Rating

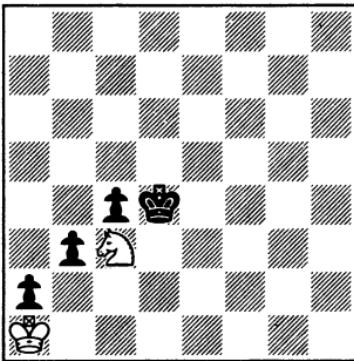
Test 23 *Time Allowed 75 minutes*

133 A. Prokes, 1963



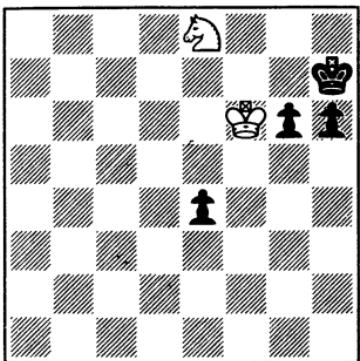
Draw

134 B. Horwitz, 1880



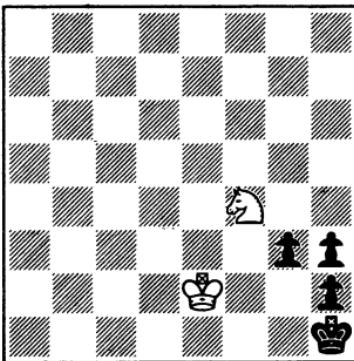
Black wins

135 A. Selezniev, 1930



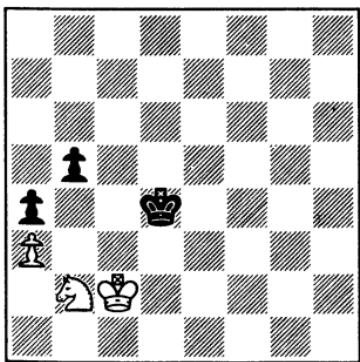
Draw

136 V. Goldbergstadt, 1937



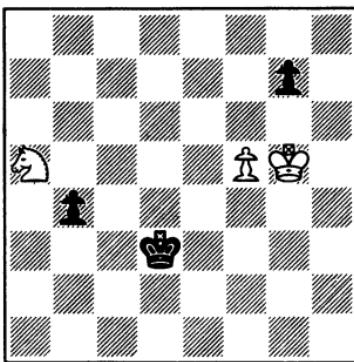
Draw

137 Tollenaar, 1942



White wins

138 V. Halberstadt, 1949



White wins

54 Test Your Endgame Ability

Solutions to Test 23

- 133 1 $\mathbb{Q}h4$ e5 2 $\mathbb{Q}e6$ e4 3 $\mathbb{Q}f5$ e3 4 $\mathbb{Q}g4$ e2 5 $\mathbb{Q}h3$ $\mathbb{Q}f1$ 6 $\mathbb{Q}g2$ $\mathbb{Q}f2$ 7 $\mathbb{Q}f4$ e1(\mathbb{Q}) 8 $\mathbb{Q}g4$ =. (10 MARKS)
- 134 1 $\mathbb{Q}b2$ a1(\mathbb{W}) + wins; or 1 $\mathbb{Q}e2+$ $\mathbb{Q}d3$ 2 $\mathbb{Q}c3$ b2+!; or 1 $\mathbb{Q}b5+$ $\mathbb{Q}d3$ 2 $\mathbb{Q}b2$ c3+; If the white king stands on b2 in the original position then 1 $\mathbb{Q}b5+$ $\mathbb{Q}d3$ 2 $\mathbb{Q}a1$ $\mathbb{Q}c2$ 3 $\mathbb{Q}d4$ $\mathbb{Q}d2$ wins. (10 MARKS)
- 135 1 $\mathbb{Q}f7$ e3 2 $\mathbb{Q}f6+$ $\mathbb{Q}h8$ 3 $\mathbb{Q}d5$ e2 4 $\mathbb{Q}f4$ e1(\mathbb{W}) 5 $\mathbb{Q}xg6+$ $\mathbb{Q}h7$ 6 $\mathbb{Q}f8+$ =. (5 MARKS)
- 136 1 $\mathbb{Q}f3$ g2 2 $\mathbb{Q}xh3$ g1(\mathbb{Q}) + 3 $\mathbb{Q}f2$ $\mathbb{Q}xh3+$ 4 $\mathbb{Q}f1!$ =. (5 MARKS)
- 137 1 $\mathbb{Q}d3$ $\mathbb{Q}c4$ 2 $\mathbb{Q}b4$ $\mathbb{Q}d4$ 3 $\mathbb{Q}b2$ $\mathbb{Q}c4$ 4 $\mathbb{Q}a2$ $\mathbb{Q}d4$ 5 $\mathbb{Q}c1$ $\mathbb{Q}d5$ 6 $\mathbb{Q}b4+$ $\mathbb{Q}c5$ 7 $\mathbb{Q}b1$ $\mathbb{Q}c4$ 8 $\mathbb{Q}b2$ $\mathbb{Q}d4$ 9 $\mathbb{Q}c2$ $\mathbb{Q}c4$ 10 $\mathbb{Q}d3$ $\mathbb{Q}d4$ 11 $\mathbb{Q}b2$ wins. (10 MARKS)
- 138 1 $\mathbb{Q}f4$ $\mathbb{Q}c3$ 2 $\mathbb{Q}g4$ $\mathbb{Q}d3$ 3 $\mathbb{Q}g5$ $\mathbb{Q}e4$ 4 $\mathbb{Q}g6$ $\mathbb{Q}f4$ 5 $\mathbb{Q}b3$ $\mathbb{Q}e5$ 6 $\mathbb{Q}c5$ wins. (10 MARKS)

Total Marks Available **50**

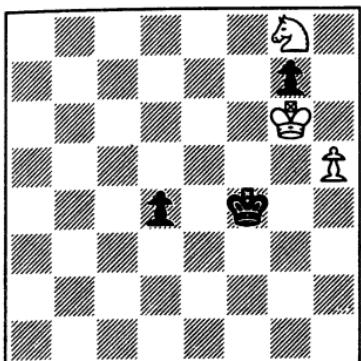
Your Score _____

Your Percentage _____

Your Rating _____

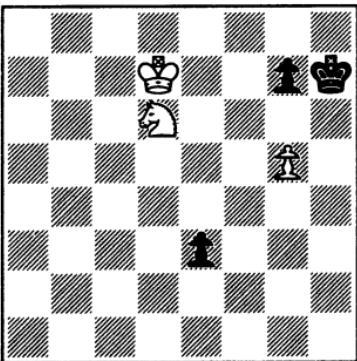
Test 24 *Time Allowed 80 minutes*

139 A. Chéron, 1955



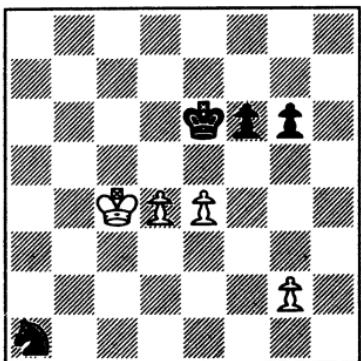
White wins

140 A. Chéron, 1949



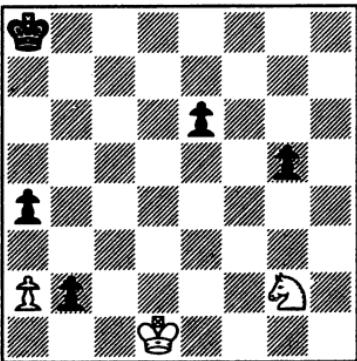
Draw

141 M. Botvinnik, 1958



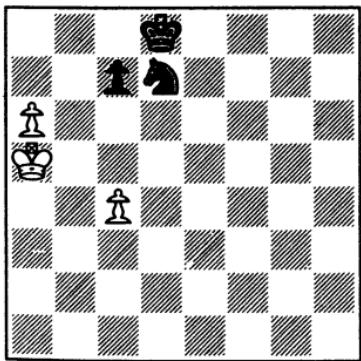
Draw

142 V. Korolkov, 1946



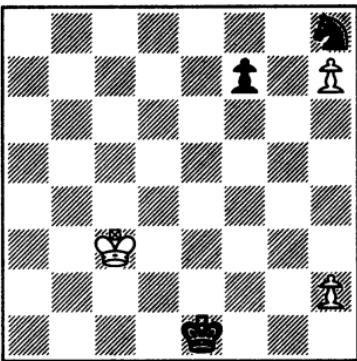
Draw

143 G. Kanat, 1954



White wins

144 N. Grigoriev, 1931



White wins

Solutions to Test 24

- 139** 1 $\mathbb{Q}e7 \mathbb{Q}e4$ (1... $d3$ 2 $\mathbb{Q}d5+$ $\mathbb{Q}g4$ 3 $\mathbb{Q}c3$ $d2$ 4 $\mathbb{Q}d1 \mathbb{Q}h4$ 5 $\mathbb{Q}e3$ wins, or 3... $\mathbb{Q}h4$ 4 $\mathbb{Q}e4$ wins) 2 $\mathbb{Q}c8$ $d3$ 3 $\mathbb{Q}b6$ $d2$ 4 $\mathbb{Q}a4$ wins. (5 MARKS)
- 140** 1 $\mathbb{Q}f5$ $e2$ 2 $g6+\mathbb{Q}\times g6$ 3 $\mathbb{Q}h4+\mathbb{Q}g5$ 4 $\mathbb{Q}g2 \mathbb{Q}g4$ 5 $\mathbb{Q}e6$ $g5$ 6 $\mathbb{Q}f6=.$ (5 MARKS)
- 141** 1 $d5+\mathbb{Q}e5$ 2 $\mathbb{Q}c3$ $f5$ (2... $\mathbb{Q}d6$ 3 $g4$ any 4 $\mathbb{Q}b2$ wins) 3 $d6!$ $\mathbb{Q}\times d6$ 4 ef gf 5 $g4!$ fg 6 $\mathbb{Q}d4=.$ (10 MARKS)
- 142** 1 $\mathbb{Q}c2$ $a3$ 2 $\mathbb{Q}e3$ $\mathbb{Q}b7$ 3 $\mathbb{Q}g4$ $\mathbb{Q}c6$ 4 $\mathbb{Q}e5+\mathbb{Q}c5$ (4... $\mathbb{Q}d5$ 5 $\mathbb{Q}f3$ $g4$ 6 $\mathbb{Q}h2$ $g3$ 7 $\mathbb{Q}f1=$) 5 $\mathbb{Q}b1$ $\mathbb{Q}b5$ 6 $\mathbb{Q}c2$ $\mathbb{Q}b4$ 7 $\mathbb{Q}g4$ $\mathbb{Q}c4$ 8 $\mathbb{Q}e5+=.$ (10 MARKS)
- 143** 1 $c5 \mathbb{Q}c8$ 2 $a7 \mathbb{Q}b6$ (2... $\mathbb{Q}b7$ 3 $c6+$) 3 cb $\mathbb{Q}b7$ 4 bc $\mathbb{Q}\times a7$ 5 $c8(\Box)$ wins. If 1... $\mathbb{Q}b8$ 2 $a7 \mathbb{Q}c6+$ 3 $\mathbb{Q}a6 \mathbb{Q}\times a7$ 4 $\mathbb{Q}\times a7$ 5 $\mathbb{Q}d7$ 6 $\mathbb{Q}b7$ $c6$ 6 $\mathbb{Q}b6$ wins. (10 MARKS)
- 144** 1 $\mathbb{Q}d4 \mathbb{Q}f2$ 2 $\mathbb{Q}e5 \mathbb{Q}f3$ 3 $\mathbb{Q}f6 \mathbb{Q}g4$ 4 $\mathbb{Q}g7 \mathbb{Q}g6$ 5 $\mathbb{Q}\times f7 \mathbb{Q}f5$ 6 $\mathbb{Q}g7$ $\mathbb{Q}g5$ 7 $h3!$ wins. (10 MARKS)

Total Marks Available **50**

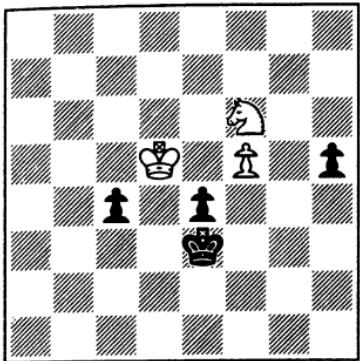
Your Score _____

Your Percentage _____

Your Rating _____

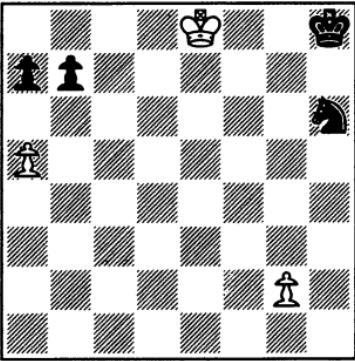
Test 25 *Time Allowed 80 minutes*

145 P. Babich, 1954



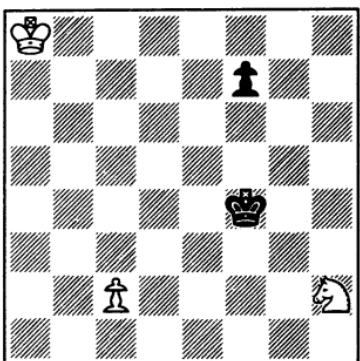
White wins

146 M. Shknevsky, 1963



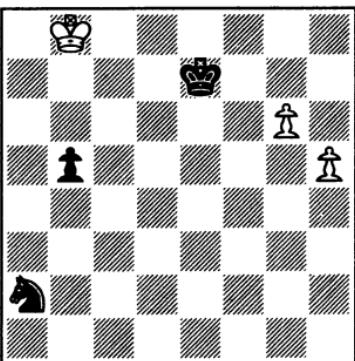
Draw

147 A. Kuznetsov and
B. Sakharov, 1956



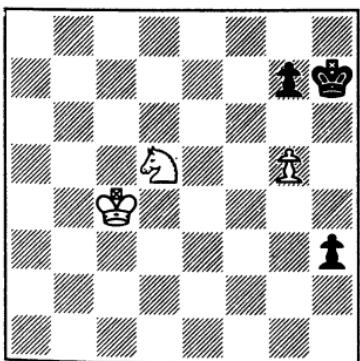
White wins

148 V. Yakhontov, 1958



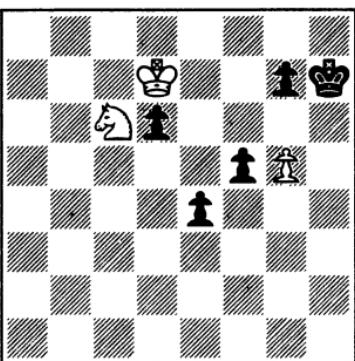
Draw

149 V. Leick, 1930



Draw

150 V. Parki, 1946



Draw

Solutions to Test 25

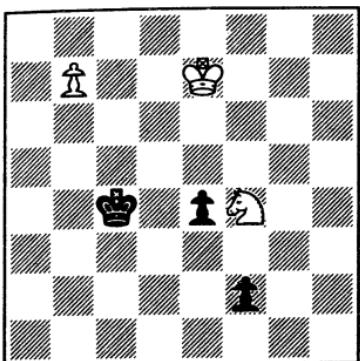
- 145** 1 $\mathbb{Q}g4+$! ($1 \mathbb{Q}\times e4? c3 2 \mathbb{Q}\times c3 h4 3 \mathbb{Q}e4 h3 4 \mathbb{Q}g3 \mathbb{Q}f3 5 \mathbb{Q}h1 \mathbb{Q}g2 6 f6 \mathbb{Q}\times h1 =$) 1... $\mathbb{Q}e2$ ($1\dots hg 2 f6 c3 3 f7 c2 4 f8(\mathbb{W}) \mathbb{Q}d2 5 \mathbb{Q}f2+ \mathbb{Q}d1 6 \mathbb{Q}d4+ wins$) 2 f6! c3 3 $\mathbb{Q}e3 \mathbb{Q}\times e3 4 f7 wins$. **(10 MARKS)**
- 146** 1 $\mathbb{Q}d7 \mathbb{Q}f7 2 \mathbb{Q}c7 \mathbb{Q}d8 3 \mathbb{Q}\times d8 b5 4 ab ab 5 \mathbb{Q}e7! b5 6 \mathbb{Q}f7=.$ **(5 MARKS)**
- 147** 1 $\mathbb{Q}b7 \mathbb{Q}g3 2 \mathbb{Q}f1+ \mathbb{Q}f2 3 \mathbb{Q}c6 \mathbb{Q}\times f1 4 \mathbb{Q}d5 \mathbb{Q}e2 5 \mathbb{Q}e4 wins.$ **(5 MARKS)**
- 148** 1 h6 $\mathbb{Q}f6 2 h7 \mathbb{Q}g7 3 \mathbb{Q}c7 b4 4 \mathbb{Q}d6 \mathbb{Q}c3 5 \mathbb{Q}c5 b3 6 \mathbb{Q}b4 b2 7 \mathbb{Q}a3 =.$ **(10 MARKS)**
- 149** 1 g6+ $\mathbb{Q}h8$ ($1\dots \mathbb{Q}h6 2 \mathbb{Q}e3 =$) 2 $\mathbb{Q}e7 h2 3 \mathbb{Q}d5 h1(\mathbb{W}) 4 \mathbb{Q}e6=.$ **(5 MARKS)**
- 150** 1 $\mathbb{Q}e7 e3 2 g6+ \mathbb{Q}h8 3 \mathbb{Q}\times f5 e2 4 \mathbb{Q}e7 d5 5 \mathbb{Q}\times d5 \mathbb{Q}g8 6 \mathbb{Q}e8 e1(\mathbb{W})+ 7 \mathbb{Q}e7+ draws.$ **(10 MARKS)**

Total Marks Available	45
Your Score	_____
Your Percentage	_____
Your Rating	_____

Test 26

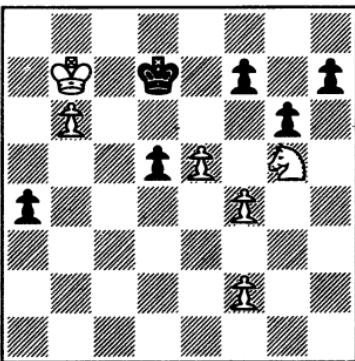
Time Allowed 90 minutes

151 A. Troitsky, 1924



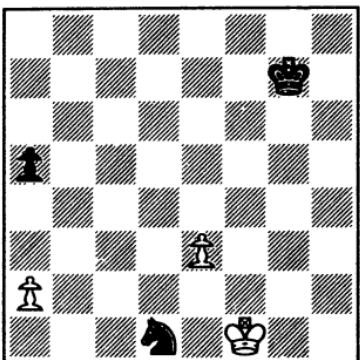
White wins

152 N. Bautin, 1926



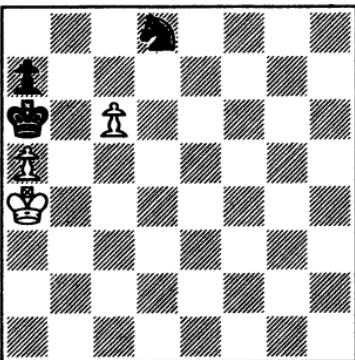
White wins

153 V. Proskurovsky, 1965



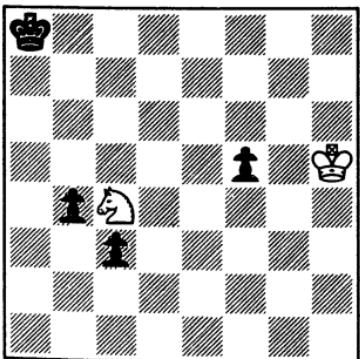
Draw

154 H. Weenink, 1918



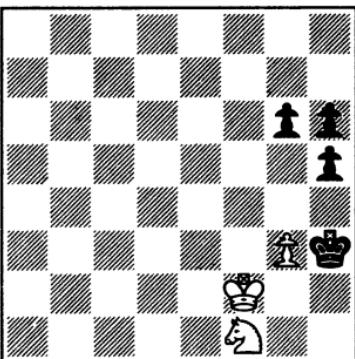
White wins

155 E. Pogosyants, 1973



Draw

156 A. Troitsky, 1909



White wins

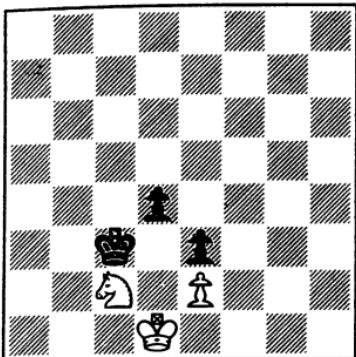
Solutions to Test 26

- 151** 1 $\mathbb{Q}d5!$ $\mathbb{Q}d4!$ (1... $\mathbb{Q} \times d5$ 2 $b8(\mathbb{W}) f1(\mathbb{W})$ 3 $\mathbb{Q}d6+$ $\mathbb{Q}c4$ 4 $\mathbb{Q}a6+$ wins) 2 $b8(\mathbb{W})$ $f1(\mathbb{W})$ 3 $\mathbb{Q}b6+$ $\mathbb{Q}e5$ 4 $\mathbb{Q}e3$ wins. (5 MARKS)
- 152** 1 $e6+!$ fe 2 $f5$ ef 3 $\mathbb{Q}e6!$ $\mathbb{Q} \times e6$ 4 $\mathbb{Q}c6$ $a3$ 5 $b7$ $a2$ 6 $b8(\mathbb{W})$ $a1(\mathbb{W})$ 7 $\mathbb{Q}e8+$ $\mathbb{Q}f6$ 8 $\mathbb{Q}h8+$ wins. (10 MARKS)
- 153** 1 $\mathbb{Q}e2$ $\mathbb{Q}c3+$ 2 $\mathbb{Q}d3$ $\mathbb{Q} \times a2$ 3 $\mathbb{Q}c4$ $\mathbb{Q}b4$ 4 $\mathbb{Q}b5$ $\mathbb{Q}c6$ 5 $e4$ $\mathbb{Q}f6$ 6 $\mathbb{Q} \times c6$ $a4$ 7 $\mathbb{Q}d6=.$ (10 MARKS)
- 154** 1 $c7$ $\mathbb{Q}b7$ 2 $c8(\mathbb{B})!$ $\mathbb{Q} \times a5$ 3 $\mathbb{Q}c5!$ $\mathbb{Q}b7$ 4 $\mathbb{Q}c6$ mate. (5 MARKS)
- 155** 1 $\mathbb{Q}a5$ $c2$ 2 $\mathbb{Q}b3$ $\mathbb{Q}b7$ 3 $\mathbb{Q}g5$ $\mathbb{Q}b6$ 4 $\mathbb{Q}f4!$ $\mathbb{Q}b5$ 5 $\mathbb{Q}d4+$ $\mathbb{Q}a4$ 6 $\mathbb{Q} \times c2$ $b3$ 7 $\mathbb{Q}e3$ $b2$ 8 $\mathbb{Q}d1=.$ (10 MARKS)
- 156** 1 $\mathbb{Q}e3$ (1 $\mathbb{Q}f3?$ $h4$ 2 $g4$ $h5=$) 1... $h4$ 2 $g4$ $h5$ 3 $g5$ $\mathbb{Q}h2$ 4 $\mathbb{Q}d5$ $h3$ 5 $\mathbb{Q}f4$ $h4$ 6 $\mathbb{Q} \times g6$ $\mathbb{Q}h1$ 7 $\mathbb{Q}e7$ wins, or 1... $g5$ 2 $\mathbb{Q}f3$ $g4+$ (2... $\mathbb{Q}h2$ 3 $\mathbb{Q}f5$ $g4+$ 4 $\mathbb{Q}f2$ $\mathbb{Q}h3$ 5 $\mathbb{Q}h4$ $\mathbb{Q}h2$ 6 $\mathbb{Q}g6$ wins) 3 $\mathbb{Q}f2$ $h4$ 4 $\mathbb{Q}g2$ $hg+$ 5 $\mathbb{Q}g1$ $h5$ 6 $\mathbb{Q}h1$ wins. (10 MARKS)

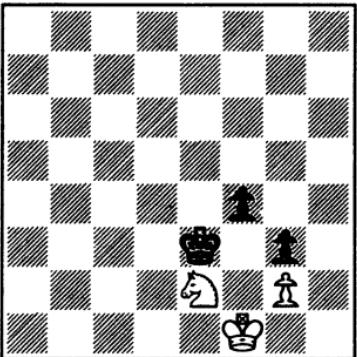
Total Marks Available	50
Your Score	_____
Your Percentage	_____
Your Rating	_____

Test 27 *Time Allowed 150 minutes*

157 R. Réti and A. Mandler, 1924 158 R. Réti and A. Mandler

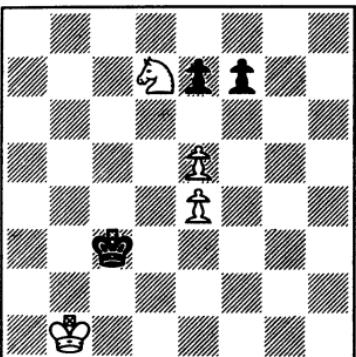


White wins

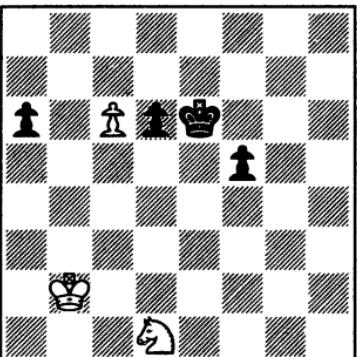


White wins

159 V. Bron, 1935

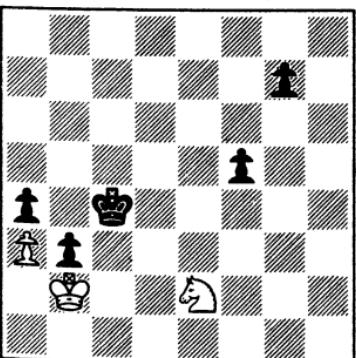


White wins



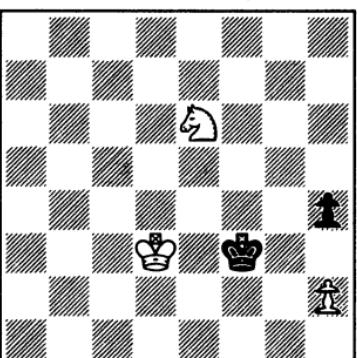
White wins

161 V. Chekhover, 1953



Draw

162 A. Kubbel, 1914



White wins

Solutions to Test 27

- 157** 1 $\mathbb{Q}e1 \mathbb{Q}b2$ 2 $\mathbb{Q}d3 + \mathbb{Q}c3$ 3 $\mathbb{Q}c1$ (3 $\mathbb{Q}cl \mathbb{Q}b3$ 4 $\mathbb{Q}b1 \mathbb{Q}c3$) 3... $\mathbb{Q}b2$ 4 $\mathbb{Q}a2!$ $\mathbb{Q}b1$ 5 $\mathbb{Q}b4$ $\mathbb{Q}b2$ 6 $\mathbb{Q}d5$ $\mathbb{Q}b3$ (6... $\mathbb{Q}b1$ 7 $\mathbb{Q}c7$ \mathbb{Q} -any 8 $\mathbb{Q}b5$ wins) 7 $\mathbb{Q}c7 \mathbb{Q}c3$ 8 $\mathbb{Q}b5 + \mathbb{Q}c4$ 9 $\mathbb{Q}d6 + \mathbb{Q}c3$ (9... $\mathbb{Q}d5$ 10 $\mathbb{Q}f7$ wins) 10 $\mathbb{Q}e4 + \mathbb{Q}b2$ (10... $\mathbb{Q}b3$ 11 $\mathbb{Q}cl$ wins) 11 $\mathbb{Q}c5 \mathbb{Q}c3$ 12 $\mathbb{Q}e1 \mathbb{Q}c2$ 13 $\mathbb{Q}d3 \mathbb{Q}c3$ 14 $\mathbb{Q}f1 \mathbb{Q}d2$ 15 $\mathbb{Q}f4$ \mathbb{Q} -any 16 $\mathbb{Q}g2$ wins. **(25 MARKS)**
- 158** 1 $\mathbb{Q}gl \mathbb{Q}d2$ (1... $\mathbb{Q}d3$ 2 $\mathbb{Q}f3 \mathbb{Q}e3$ 3 $\mathbb{Q}el \mathbb{Q}d2$ 4 $\mathbb{Q}c2$ wins) 2 $\mathbb{Q}f3 + \mathbb{Q}d3$ 3 $\mathbb{Q}e1 \mathbb{Q}e3$ 4 $\mathbb{Q}e5 \mathbb{Q}e4$ (4... $\mathbb{Q}d4$ 5 $\mathbb{Q}g4 \mathbb{Q}d3$ 6 $\mathbb{Q}d1$ wins) 5 $\mathbb{Q}c4 \mathbb{Q}d3$ 6 $\mathbb{Q}d2 \mathbb{Q}e3$ 7 $\mathbb{Q}f3 \mathbb{Q}d3$ 8 $\mathbb{Q}f1 \mathbb{Q}e3$ 9 $\mathbb{Q}el \mathbb{Q}d2$ 10 $\mathbb{Q}c2 \mathbb{Q}d1$ 11 $\mathbb{Q}b4 \mathbb{Q}d2$ 12 $\mathbb{Q}d5$ wins. **(15 MARKS)**
- 159** 1 e6! (1 $\mathbb{Q}a2 \mathbb{Q}d4$ 2 $\mathbb{Q}b3 \mathbb{Q}e4$ 3 $\mathbb{Q}c4 f5$ 4 $e6 f4$ 5 $\mathbb{Q}c3 \mathbb{Q}e3 =$) 1... fe (1... $f6$ 2 $\mathbb{Q}x f6!$ wins) 2 $e5 \mathbb{Q}b3$ 3 $\mathbb{Q}cl \mathbb{Q}c3$ 4 $\mathbb{Q}d1 \mathbb{Q}d3$ 5 $\mathbb{Q}el \mathbb{Q}e3$ 6 $\mathbb{Q}f1 \mathbb{Q}f3$ 7 $\mathbb{Q}g1 \mathbb{Q}g3$ 8 $\mathbb{Q}h1 \mathbb{Q}h3$ 9 $\mathbb{Q}f8 \mathbb{Q}g4$ 10 $\mathbb{Q}h2 \mathbb{Q}h4$ 11 $\mathbb{Q}d7 \mathbb{Q}g4$ 12 $\mathbb{Q}g2 \mathbb{Q}f4$ 13 $\mathbb{Q}h3$ wins. **(15 MARKS)**
- 160** 1 $\mathbb{Q}e3!$ f4 2 $\mathbb{Q}d5$ f3 3 $\mathbb{Q}f6!$ f2 4 c7 f1(\mathbb{Q}) 5 c8(\mathbb{Q}) + $\mathbb{Q}e5$ 6 $\mathbb{Q}g4 + \mathbb{Q}d4$ (6... $\mathbb{Q}e4$ 7 $\mathbb{Q}e6 +$ wins) 7 $\mathbb{Q}c3 + \mathbb{Q}e4$ 8 $\mathbb{Q}b4 + \mathbb{Q}d3$ 9 $\mathbb{Q}x d6 + \mathbb{Q}e4$ (e2) 10 $\mathbb{Q}e5 + \mathbb{Q}d3$ 11 $\mathbb{Q}d5 + \mathbb{Q}e2$ 12 $\mathbb{Q}e4 + \mathbb{Q}d2$ 13 $\mathbb{Q}e3 + \mathbb{Q}d1$ 14 $\mathbb{Q}f2 +$ and wins. **(15 MARKS)**
- 161** 1 $\mathbb{Q}f4$ (1 $\mathbb{Q}c3?$ g5 2 $\mathbb{Q}x a4$ g4 3 $\mathbb{Q}c3 \mathbb{Q}d3$ 4 $\mathbb{Q}d5 \mathbb{Q}e4$ 5 $\mathbb{Q}c3 \mathbb{Q}f3$ 6 $\mathbb{Q}b5$ g3 7 $\mathbb{Q}d4 + \mathbb{Q}g4$ 8 a4 g2 9 $\mathbb{Q}e2$ f4 10 a5 f3 11 a6 fe 12 a7 e1(\mathbb{Q}) 13 a8(\mathbb{Q}) $\mathbb{Q}f2 +$ wins) 1... g5 (1... $\mathbb{Q}b5$ 2 $\mathbb{Q}e6$ g6 3 $\mathbb{Q}c3 =$) 2 $\mathbb{Q}e6$ g4 3 $\mathbb{Q}g7$ f4 4 $\mathbb{Q}h5$ f3 5 $\mathbb{Q}f6$ g3 (5... f2 6 $\mathbb{Q}x g4$ f1(\mathbb{Q}) 7 $\mathbb{Q}e5 + \mathbb{Q}b5$ 8 $\mathbb{Q}f3$ $\mathbb{Q}e3$ 9 $\mathbb{Q}d2$ $\mathbb{Q}d1 +$ 10 $\mathbb{Q}cl$ $\mathbb{Q}f2$ 11 $\mathbb{Q}b2 \mathbb{Q}d3 +$ 12 $\mathbb{Q}c3$ $\mathbb{Q}c5$ 13 $\mathbb{Q}d4 !=$) 6 $\mathbb{Q}e4$ g2 7 $\mathbb{Q}d2 + =.$ **(20 MARKS)**
- 162** 1 h3 $\mathbb{Q}g3$ 2 $\mathbb{Q}g5 \mathbb{Q}f4$ 3 $\mathbb{Q}e4 \mathbb{Q}f3$ 4 $\mathbb{Q}d4 \mathbb{Q}f4$ 5 $\mathbb{Q}d5 \mathbb{Q}f5$ 6 $\mathbb{Q}c3$ (6 $\mathbb{Q}f2?$ $\mathbb{Q}f4$ 7 $\mathbb{Q}d4 \mathbb{Q}f3$ 8 $\mathbb{Q}e5 \mathbb{Q}x f2$ 9 $\mathbb{Q}f4 \mathbb{Q}e2 =$) 6... $\mathbb{Q}f4$ 7 $\mathbb{Q}e2 + \mathbb{Q}f3$ 8 $\mathbb{Q}g1 + \mathbb{Q}g2$ 9 $\mathbb{Q}e4 \mathbb{Q}x g1$ 10 $\mathbb{Q}f3$ wins. **(10 MARKS)**

Total Marks Available

100

Your Score

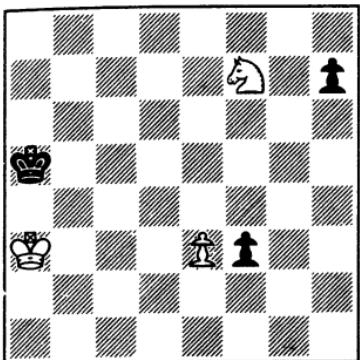
Your Percentage

Your Rating

Test 28

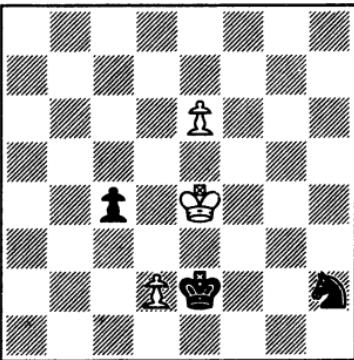
Time Allowed 150 minutes

163 L. Kubbel, 1924



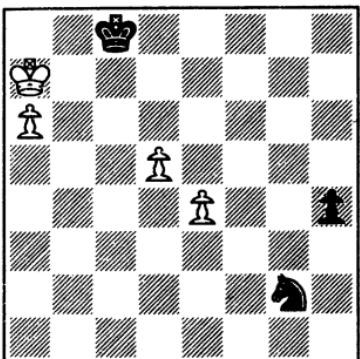
White wins

164 A. Troitsky, 1924



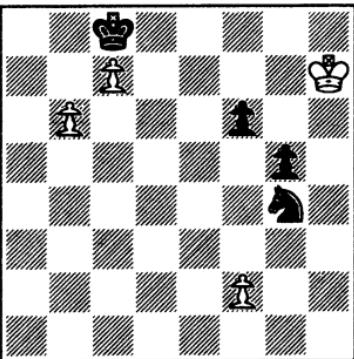
White wins

165 V. Chekhover, 1961



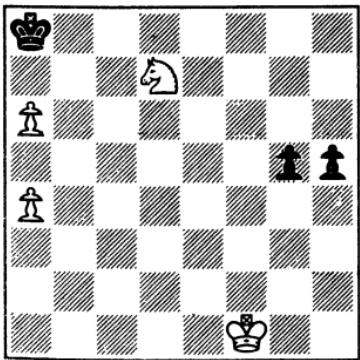
Draw

166 A. Troitsky, 1896



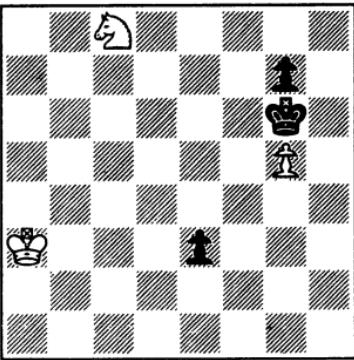
Draw

167 V. and M. Platov, 1914



White wins

168 P. Ilin, 1947



Draw

Solutions to Test 28

- 163** 1 $\mathbb{Q}d6!$ f2 2 $\mathbb{Q}c4+$ $\mathbb{Q}b5$ 3 $\mathbb{Q}d2$ f1(\mathbb{W}) 4 $\mathbb{Q}\times f1$ $\mathbb{Q}c4$ 5 $\mathbb{Q}b2$ $\mathbb{Q}d3$ 6 $\mathbb{Q}c1$ $\mathbb{Q}e2$ 7 e4 $\mathbb{Q}\times f1$ 8 $\mathbb{Q}d2!$ h5 9 $\mathbb{Q}e3$ $\mathbb{Q}g2$ (9... $\mathbb{Q}g1$ 10 $\mathbb{Q}f3$ or 9... h4 10 $\mathbb{Q}f3$ wins) 10 e5 h4 11 e6 h3 12 e7 h2 13 e8(\mathbb{W}) h1(\mathbb{W}) 14 $\mathbb{Q}g6+$ wins. **(15 MARKS)**
- 164** 1 $\mathbb{Q}f4$ (1 e7? $\mathbb{Q}g4$ 2 $\mathbb{Q}f5$ $\mathbb{Q}f6!$ 3 $\mathbb{Q}\times f6$ $\mathbb{Q}\times d2$ 4 e8(\mathbb{W}) c3 5 $\mathbb{Q}d8+$ $\mathbb{Q}c1=$) 1... $\mathbb{Q}g4$ 2 $\mathbb{Q}\times g4$ $\mathbb{Q}\times d2$ 3 e7 c3 4 e8(\mathbb{W}) c2 5 $\mathbb{Q}d7+$ $\mathbb{Q}c1$ 6 $\mathbb{Q}b5$ $\mathbb{Q}d1$ 7 $\mathbb{Q}b3$ $\mathbb{Q}d2$ 8 $\mathbb{Q}b2$ $\mathbb{Q}d1$ 9 $\mathbb{Q}f3$ wins. **(15 MARKS)**
- 165** 1 $\mathbb{Q}b6$ $\mathbb{Q}b8$ 2 a7+ $\mathbb{Q}a8$ 3 e5 h3 4 e6 $\mathbb{Q}f4$ 5 $\mathbb{Q}c5!$ $\mathbb{Q}\times d5$ 6 $\mathbb{Q}\times d5$ h2 7 e7 h1(\mathbb{W}) 8 $\mathbb{Q}d6$ $\mathbb{Q}e4$ 9 $\mathbb{Q}d7$ $\mathbb{Q}d4+$ 10 $\mathbb{Q}c8$ $\mathbb{Q}c5+$ 11 $\mathbb{Q}d8$ $\mathbb{Q}d6+$ 12 $\mathbb{Q}c8=.$ **(15 MARKS)**
- 166** 1 f3 $\mathbb{Q}e5$ 2 $\mathbb{Q}g7$ $\mathbb{Q}\times f3$ 3 $\mathbb{Q}\times f6$ g4 4 $\mathbb{Q}f5$ (4 $\mathbb{Q}e6?$ g3 5 $\mathbb{Q}d6$ g2 6 b7+ $\mathbb{Q}\times b7$ 7 $\mathbb{Q}d7$ $\mathbb{Q}e5+$ 8 $\mathbb{Q}d8$ $\mathbb{Q}c6+$ 9 $\mathbb{Q}-any$ $\mathbb{Q}a7$ wins) 4... g3 5 $\mathbb{Q}g4$ g2 6 $\mathbb{Q}h3$ g1(\mathbb{W}) 7 b7+ $\mathbb{Q}\times b7$ 8 c8(\mathbb{W})+=. **(20 MARKS)**
- 167** 1 $\mathbb{Q}g2$ h4 2 $\mathbb{Q}h3$ $\mathbb{Q}a7$ 3 $\mathbb{Q}c5$ $\mathbb{Q}b6$ 4 a5+ $\mathbb{Q}a7$ 5 $\mathbb{Q}g4$ $\mathbb{Q}b8$ 6 $\mathbb{Q}d3$ $\mathbb{Q}a7$ 7 $\mathbb{Q}b4$ $\mathbb{Q}b8$ 8 $\mathbb{Q}c6+$ $\mathbb{Q}c7$ (8... $\mathbb{Q}a8$ 9 $\mathbb{Q}h3$ wins) 9 a7 $\mathbb{Q}b7$ 10 a6+ $\mathbb{Q}a8$ 11 $\mathbb{Q}h3$ g4+ 12 $\mathbb{Q}g2$ g3 13 $\mathbb{Q}h3$ g2 14 $\mathbb{Q}\times g2$ h3+ 15 $\mathbb{Q}h1!$ h2 16 $\mathbb{Q}b4$ wins. **(20 MARKS)**
- 168** 1 $\mathbb{Q}e7+$ $\mathbb{Q}\times g5$ 2 $\mathbb{Q}c6$ $\mathbb{Q}f4$ 3 $\mathbb{Q}b4$ $\mathbb{Q}e4$ 4 $\mathbb{Q}b2$ e2 5 $\mathbb{Q}c2$ $\mathbb{Q}f3$ 6 $\mathbb{Q}c1$ $\mathbb{Q}f2$ 7 $\mathbb{Q}d2$ g5 8 $\mathbb{Q}e1$ g4 9 $\mathbb{Q}c2$ g3 10 $\mathbb{Q}e1$ $\mathbb{Q}f1$ 11 $\mathbb{Q}c2=$ or 1... $\mathbb{Q}h7$ 2 g6+ $\mathbb{Q}h8$ 3 $\mathbb{Q}b4$ e2 4 $\mathbb{Q}c5$ e1(\mathbb{W}) 5 $\mathbb{Q}d6$ or 1... $\mathbb{Q}f7$ 2 $\mathbb{Q}c6$ =. **(15 MARKS)**

Total Marks Available **100**

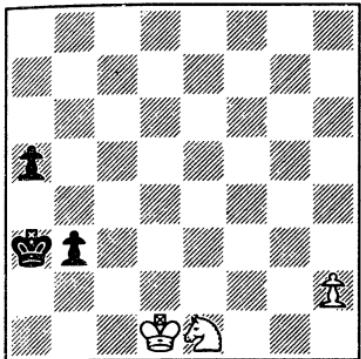
Your Score _____

Your Percentage _____

Your Rating _____

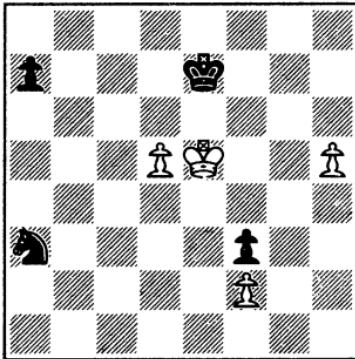
Test 29 Time Allowed 150 minutes

169 A. Troitsky, 1925



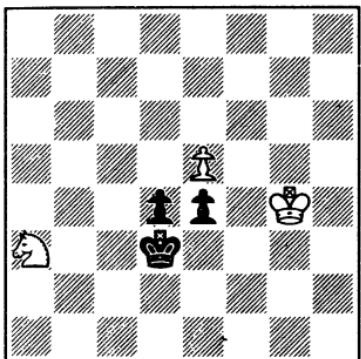
White wins

170 L. Kubbel, 1924



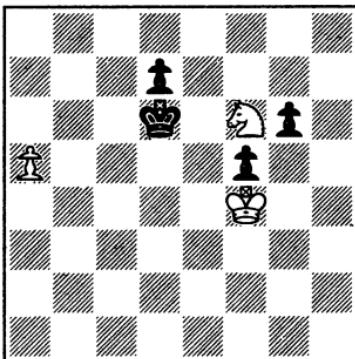
White wins

171 L. Zalkind, 1915



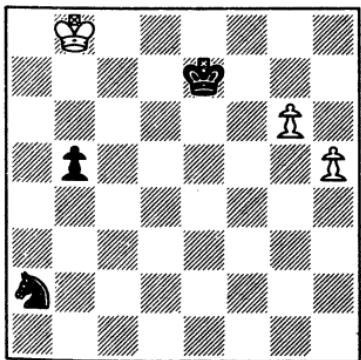
White wins

172 A. Havasi, 1922



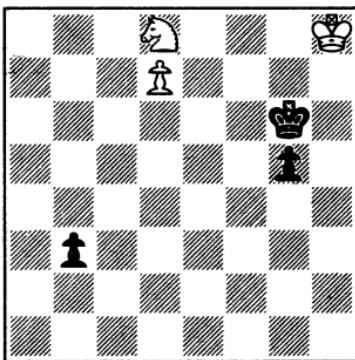
White wins

173 V. Yakhontov, 1950



Draw

174 C. Peronace, 1953



White wins

Solutions to Test 29

- 169 1 $\mathbb{Q}d3!$ (1 $\mathbb{Q}f3?$ $\mathbb{Q}a2$ 2 $\mathbb{Q}d2$ $a4$ 3 $h4$ $a3$ 4 $h5$ $b2$ 5 $\mathbb{Q}c2$ $\mathbb{Q}a1$ 6 $h6$ $b1(\mathbb{W})$ 7 $\mathbb{Q}\times b1$ $a2$) =) 1... $a4$ 2 $h4$ $\mathbb{Q}a2$ 3 $h5$ $a3$ 4 $\mathbb{Q}c1+$ $\mathbb{Q}b2$ 5 $h6$ $a2$ 6 $h7$ $a1(\mathbb{W})$ 7 $h8(\mathbb{W})$ $\mathbb{Q}b1$ 8 $\mathbb{Q}h7+$ $\mathbb{Q}b2$ 9 $\mathbb{Q}g7+$ $\mathbb{Q}b1$ 10 $\mathbb{Q}g6+$ $\mathbb{Q}b2$ 11 $\mathbb{Q}f6+$ $\mathbb{Q}b1$ 12 $\mathbb{Q}f5+$ $\mathbb{Q}b2$ 13 $\mathbb{Q}e5+$ $\mathbb{Q}b1$ 14 $\mathbb{Q}e4+$ $\mathbb{Q}b2$ 15 $\mathbb{Q}d4+$ $\mathbb{Q}b1$ 16 $\mathbb{Q}d3+$ $\mathbb{Q}b2$ 17 $\mathbb{Q}b3$ mate. **(20 MARKS)**
- 170 1 $d6+$ $\mathbb{Q}f7$ 2 $d7$ $\mathbb{Q}c4+$ 3 $\mathbb{Q}d4$ (3 $\mathbb{Q}f4$ $\mathbb{Q}e7$ 4 $h6$ $\mathbb{Q}d6$) =) 3... $\mathbb{Q}a5$ 4 $d8(\mathbb{Q})$ + $\mathbb{Q}g7$ 5 $\mathbb{Q}c3$ $\mathbb{Q}h6$ 6 $\mathbb{Q}b4$ $\mathbb{Q}\times h5$ 7 $\mathbb{Q}\times a5$ $\mathbb{Q}h4$ 8 $\mathbb{Q}f7$ $\mathbb{Q}h3$ 9 $\mathbb{Q}g5$ $\mathbb{Q}g2$ 10 $\mathbb{Q}e4$ wins. **(15 MARKS)**
- 171 1 $e6$ $e3$ 2 $e7$ $e2$ 3 $e8(\mathbb{Q})$ $\mathbb{Q}d2$ 4 $\mathbb{Q}c2$ $d3$ 5 $\mathbb{Q}d4$ $\mathbb{Q}d1$ 6 $\mathbb{Q}a8$ $e1(\mathbb{W})$ 7 $\mathbb{Q}a1+$ $\mathbb{Q}d2$ 8 $\mathbb{Q}f3+$ and wins. **(10 MARKS)**
- 172 1 $a6$ $\mathbb{Q}c7$ 2 $\mathbb{Q}\times d7$ (2 $\mathbb{Q}d5+$ $\mathbb{Q}b8$) =) 2... $\mathbb{Q}c6$ 3 $\mathbb{Q}e5$ $\mathbb{Q}c7$ 4 $\mathbb{Q}d5!$ $f4$ 5 $\mathbb{Q}c5!$ $f3$ 6 $\mathbb{Q}f6$ $f2$ 7 $\mathbb{Q}d5+$ $\mathbb{Q}c8$ (7... $\mathbb{Q}b8$ 8 $\mathbb{Q}b6$ $f1(\mathbb{W})$ 9 $a7+$ $\mathbb{Q}c8$ 10 $a8(\mathbb{W})$ + $\mathbb{Q}d7$ 11 $\mathbb{Q}c6+$ $\mathbb{Q}d8$ 12 $\mathbb{Q}c7+$ $\mathbb{Q}e8$ 13 $\mathbb{Q}e7$ mate or 7... $\mathbb{Q}d7$ 8 $\mathbb{Q}e3$ $\mathbb{Q}c7$ 9 $\mathbb{Q}f1$ $g5$ 10 $\mathbb{Q}g3$ $g4$ 11 $\mathbb{Q}b5$ wins) 8 $\mathbb{Q}e3$ $\mathbb{Q}b8$ 9 $\mathbb{Q}b6$ $g5$ 10 $a7+$ $\mathbb{Q}a8$ 11 $\mathbb{Q}d5$ $f1(\mathbb{W})$ 12 $\mathbb{Q}c7$ mate. **(20 MARKS)**
- 173 1 $h6$ $\mathbb{Q}f6$ 2 $h7$ $\mathbb{Q}g7$ 3 $\mathbb{Q}c7$ $b4$ 4 $\mathbb{Q}d6!$ $\mathbb{Q}c3$ (4... $b3$ 5 $\mathbb{Q}e7$ $b2$ 6 $h8+$ $\mathbb{Q}\times h8$ 7 $\mathbb{Q}f7$ wins) 5 $\mathbb{Q}c5$ $b3$ 6 $\mathbb{Q}b4$ $b2$ 7 $\mathbb{Q}a3$ $b1(\mathbb{W})$ 8 $h8(\mathbb{W})$ + $\mathbb{Q}\times h8$ 9 $g7+$ $\mathbb{Q}h7$ 10 $g8(\mathbb{W})$ + $\mathbb{Q}\times g8$ stalemate. **(15 MARKS)**
- 174 1 $\mathbb{Q}c6$ (1 $\mathbb{Q}e6?$ $b2$ 2 $d8(\mathbb{W})$ $b1(\mathbb{W})$ 3 $\mathbb{Q}\times g5+$ $\mathbb{Q}f7$) =) 1... $b2$ 2 $d8(\mathbb{W})$ $b1(\mathbb{W})$ 3 $\mathbb{Q}e8+$ $\mathbb{Q}h6$ (3... $\mathbb{Q}f5$ 4 $\mathbb{Q}f7+$ $\mathbb{Q}g4$ 5 $\mathbb{Q}e5+$ $\mathbb{Q}h4$ 6 $\mathbb{Q}f2+$ and wins) 4 $\mathbb{Q}e6+$ $\mathbb{Q}g6$ (4... $\mathbb{Q}h5$ 5 $\mathbb{Q}h3+$ $\mathbb{Q}g6$ 6 $\mathbb{Q}h7+$ and wins) 5 $\mathbb{Q}h3+$ $\mathbb{Q}h5$ 6 $\mathbb{Q}d7!$ $\mathbb{Q}g6+$ (6... $\mathbb{Q}g6$ 7 $\mathbb{Q}e5!$ $\mathbb{Q}f6+$ 8 $\mathbb{Q}g8$ wins) 7 $\mathbb{Q}g8$ $\mathbb{Q}f6$ (7... $g4$ 8 $\mathbb{Q}e7+$ $\mathbb{Q}f6$ 9 $\mathbb{Q}d6+$ $\mathbb{Q}g5$ 10 $\mathbb{Q}e5+$ $\mathbb{Q}h4$ 11 $\mathbb{Q}f5+$ wins) 8 $\mathbb{Q}e7+$ $\mathbb{Q}f5$ 9 $\mathbb{Q}e5+$ $\mathbb{Q}g4$ 10 $\mathbb{Q}e2+$ $\mathbb{Q}h4$ 11 $\mathbb{Q}h2+$ $\mathbb{Q}g4$ 12 $\mathbb{Q}e5+$ wins. **(20 MARKS)**

Total Marks Available

100

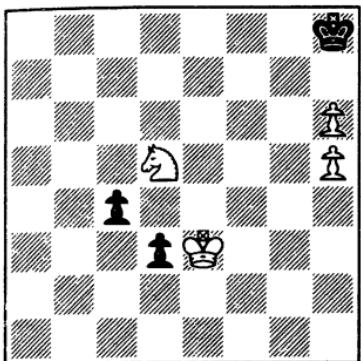
Your Score

Your Percentage

Your Rating

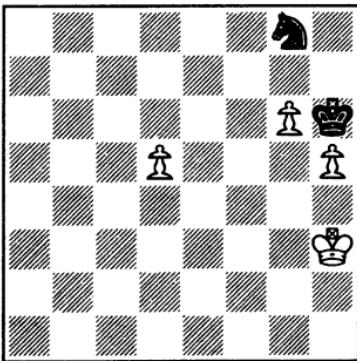
Test 30 Time Allowed 150 minutes

175 P. Perkonoja, 1967



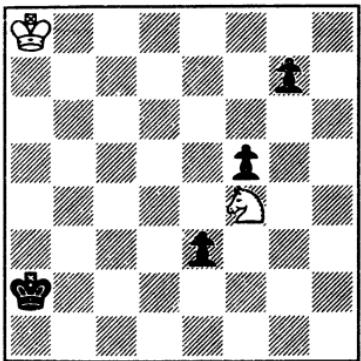
White wins

176 J. Ban, 1961



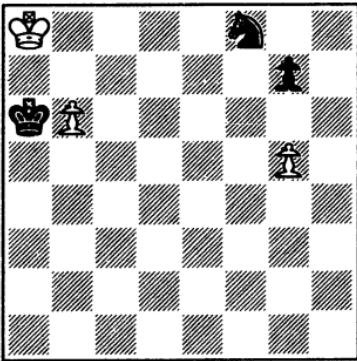
White wins

177 V. Chekhover, 1947



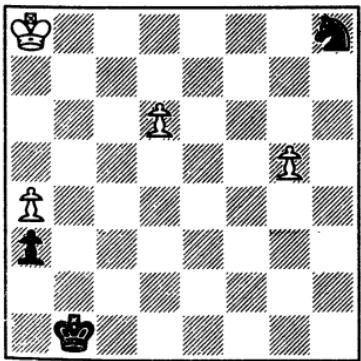
Draw

178 G. Nadareishvili, 1970



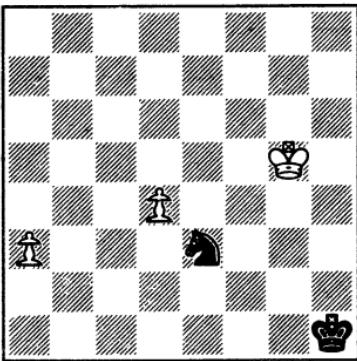
Draw

179 G. Nadareishvili, 1962



White wins

180 G. Nadareishvili, 1965



White wins

Solutions to Test 30

- 175** 1 $\mathbb{Q}e7!$ $\mathbb{Q}h7$ 2 $\mathbb{Q}f5$ $\mathbb{Q}g8$ 3 $\mathbb{Q}d6!$ (3 $\mathbb{Q}d2?$ $\mathbb{Q}h8$ 4 $\mathbb{Q}d6$ $\mathbb{Q}h7$ 5 $\mathbb{Q}f7$ $\mathbb{Q}g8$ 6 $\mathbb{Q}e5$ $\mathbb{Q}h7$ 7 $\mathbb{Q}g4$ $\mathbb{Q}h8!$ 8 $\mathbb{Q}f6$ c3+ draws) 3... $\mathbb{Q}h7$ (3... $\mathbb{Q}h8$ 4 $\mathbb{Q}x c4$ $\mathbb{Q}h7$ 5 $\mathbb{Q}f4$ $\mathbb{Q}x h6$ 6 $\mathbb{Q}g4$ wins) 4 $\mathbb{Q}f7!$ $\mathbb{Q}g8$ 5 $\mathbb{Q}e5$ $\mathbb{Q}h7$ (5... $\mathbb{Q}h8$ 6 $\mathbb{Q}x c4$ wins) 6 $\mathbb{Q}g4!$ $\mathbb{Q}h8$ (6... $\mathbb{Q}g8$ 7 $\mathbb{Q}f6+$ $\mathbb{Q}-any$ 8 $\mathbb{Q}h7$ $\mathbb{Q}g7$ 9 $\mathbb{Q}d2$ $\mathbb{Q}h8$ 10 $\mathbb{Q}c3$ $\mathbb{Q}g7$ 11 $\mathbb{Q}h8$ (\mathbb{Q})+ $\mathbb{Q}x h8$ 12 $\mathbb{Q}h6$ d2 13 $\mathbb{Q}x d2$ c3+ 14 $\mathbb{Q}cl!$ wins) 7 $\mathbb{Q}d2$ $\mathbb{Q}h7$ 8 $\mathbb{Q}c3!$ $\mathbb{Q}g8$ 9 $\mathbb{Q}f6$. - $\mathbb{Q}h8$ 10 $\mathbb{Q}h7!$ $\mathbb{Q}g7$ 11 $\mathbb{Q}h8$ (\mathbb{Q})+ $\mathbb{Q}x h8$ 12 $\mathbb{Q}h6$ d2 13 $\mathbb{Q}x d2$ c3+ 14 $\mathbb{Q}cl!$ c2 15 $\mathbb{Q}g4$ wins. **(20 MARKS)**
- 176** 1 d6 ($\mathbb{Q}h2?$ $\mathbb{Q}g7$) 2 d6 $\mathbb{Q}f6$ 3 $\mathbb{Q}h3$ $\mathbb{Q}e6$ 4 $\mathbb{Q}h4$ $\mathbb{Q}x d6$ 5 $\mathbb{Q}g5$ $\mathbb{Q}e7!$ 6 $\mathbb{Q}h6$ $\mathbb{Q}f8=$) 1... $\mathbb{Q}f6$ 2 $\mathbb{Q}h2!$ (2 $\mathbb{Q}g2?$ $\mathbb{Q}x h5$ 3 d7 $\mathbb{Q}f4+4$ $\mathbb{Q}f3$ $\mathbb{Q}e6$ =) 2... $\mathbb{Q}g7$ 3 $\mathbb{Q}gl$ $\mathbb{Q}h6$ 4 $\mathbb{Q}f1$ $\mathbb{Q}g7$ 5 $\mathbb{Q}e1!$ (5 $\mathbb{Q}e2?$ $\mathbb{Q}x h5$ 6 d7 $\mathbb{Q}f4$ 7 $\mathbb{Q}e3$ $\mathbb{Q}e6$ =) 5... $\mathbb{Q}h6$ 6 $\mathbb{Q}d1!$ $\mathbb{Q}g7$ 7 $\mathbb{Q}c2$ $\mathbb{Q}h6$ 8 $\mathbb{Q}b2!$ (8 $\mathbb{Q}b3$ $\mathbb{Q}e4!$ 9 d7 $\mathbb{Q}c5+10$ $\mathbb{Q}-any$ $\mathbb{Q}x d7$) 8... $\mathbb{Q}x g7$ 9 $\mathbb{Q}a3!$ $\mathbb{Q}h6$ 10 $\mathbb{Q}b4$ wins (10 $\mathbb{Q}a4?$ $\mathbb{Q}e4$ 11 d7 $\mathbb{Q}x c5+12$ $\mathbb{Q}-any$ $\mathbb{Q}x d7$). **(20 MARKS)**
- 177** 1 $\mathbb{Q}d5$ e2 2 $\mathbb{Q}c3+$ $\mathbb{Q}b3$ 3 $\mathbb{Q}x e2$ $\mathbb{Q}c4$ 4 $\mathbb{Q}f4!!$ (4 $\mathbb{Q}g3?$ f4 5 $\mathbb{Q}h5$ g5 6 $\mathbb{Q}b7$ $\mathbb{Q}d5$ wins) 4... g5 5 $\mathbb{Q}e6$ g4 6 $\mathbb{Q}g7!$ f4 (6... g3 7 $\mathbb{Q}x f5$ g2 8 $\mathbb{Q}e3+7$ $\mathbb{Q}h5$ f3 8 $\mathbb{Q}f6!$ g3 9 $\mathbb{Q}e4$ g2 10 $\mathbb{Q}d2+$ and draws. If 1... g5 $\mathbb{Q}x e3$ f4 3 $\mathbb{Q}g4$ $\mathbb{Q}b3$ 4 $\mathbb{Q}h2!$ (4 $\mathbb{Q}b7?$ $\mathbb{Q}c4$ 5 $\mathbb{Q}h2$ $\mathbb{Q}d5$ wins or 5 $\mathbb{Q}c6$ $\mathbb{Q}d4$ wins) 4... $\mathbb{Q}c2$ (4... $\mathbb{Q}c4$ 5 $\mathbb{Q}f3$ =) 5 $\mathbb{Q}b7$ $\mathbb{Q}d1$ 6 $\mathbb{Q}c6$ $\mathbb{Q}e2$ 7 $\mathbb{Q}d5$ f3 8 $\mathbb{Q}e4$ =, or 1... f4 2 $\mathbb{Q}x f4$ $\mathbb{Q}b3$ 3 $\mathbb{Q}b7$ $\mathbb{Q}c4$ 4 $\mathbb{Q}c6$ $\mathbb{Q}d4$ 5 $\mathbb{Q}d6$ $\mathbb{Q}e4$ 6 $\mathbb{Q}g2$ e2 7 $\mathbb{Q}e6$ g5 8 $\mathbb{Q}f6$ $\mathbb{Q}f3$ 9 $\mathbb{Q}e1+$ $\mathbb{Q}f2$ 10 $\mathbb{Q}d3+$ $\mathbb{Q}e3$ 11 $\mathbb{Q}e1$ g4 12 $\mathbb{Q}g5$ g3 13 $\mathbb{Q}g4$ =. **(20 MARKS)**
- 178** 1 b7 $\mathbb{Q}d7$ 2 b8(\mathbb{Q})+! (2 b8(\mathbb{Q})? $\mathbb{Q}b6+$ [2... $\mathbb{Q}x b8?$ 3 $\mathbb{Q}x b8=$] 3 $\mathbb{Q}x b6+$ $\mathbb{Q}x b6$ 4 $\mathbb{Q}b8$ $\mathbb{Q}c6$ 5 $\mathbb{Q}c8$ $\mathbb{Q}d6$ 6 $\mathbb{Q}d8$ $\mathbb{Q}e6$ 7 $\mathbb{Q}e8$ $\mathbb{Q}f5$ wins) 2... $\mathbb{Q}x b8$ 3 $\mathbb{Q}x b8$ $\mathbb{Q}b6$ 4 $\mathbb{Q}c8$ $\mathbb{Q}c6$ 5 $\mathbb{Q}d8$ $\mathbb{Q}d6$ 6 $\mathbb{Q}e8$ $\mathbb{Q}e6$ 7 $\mathbb{Q}f8$ $\mathbb{Q}f5$ (7... g6? 8 $\mathbb{Q}g7$ $\mathbb{Q}f5$ 9 $\mathbb{Q}h6$ wins) 8 $\mathbb{Q}x g7=$. **(15 MARKS)**
- 179** 1 d7 $\mathbb{Q}f7$ (1... a2 2 d8(\mathbb{Q}) a1(\mathbb{Q}) 3 $\mathbb{Q}d1+$ $\mathbb{Q}b2$ 4 $\mathbb{Q}x a1+$ $\mathbb{Q}x a1$ 5 a5 wins) 2 g6 a2 3 gf a1(\mathbb{Q}) 4 d8(\mathbb{Q}) $\mathbb{Q}x a4+$ 5 $\mathbb{Q}b7$ (5 $\mathbb{Q}b8?$ $\mathbb{Q}b3+$ draws) 5... $\mathbb{Q}b3+$ 6 $\mathbb{Q}b6$ $\mathbb{Q}a1!$ 7 f8(\mathbb{Q})! wins (but not 7 $\mathbb{Q}x b3?$ stalemate or 7 f8(\mathbb{Q})? $\mathbb{Q}f7+!$ 8 $\mathbb{Q}x f7$ =). **(15 MARKS)**
- 180** 1 a4 (1 $\mathbb{Q}f4?$ $\mathbb{Q}c2$ 2 d5 $\mathbb{Q}x a3$ 3 d6 $\mathbb{Q}b5$ 4 d7 $\mathbb{Q}d4!=$) 1... $\mathbb{Q}c2$ 2 d5 (2 a5? $\mathbb{Q}x d4$ 3 a6 $\mathbb{Q}b5$ =) 2... $\mathbb{Q}e3$ 3 d6 (3 a5? $\mathbb{Q}x d5$ 4 a6 $\mathbb{Q}c7$ 5 a7 $\mathbb{Q}g2$ 6 $\mathbb{Q}f6$ $\mathbb{Q}f3$ 7 $\mathbb{Q}e7$ $\mathbb{Q}e4$ 8 $\mathbb{Q}d7$ $\mathbb{Q}a8$ 9 $\mathbb{Q}c6$ $\mathbb{Q}e5$ 10 $\mathbb{Q}b7$ $\mathbb{Q}d6$ 11 $\mathbb{Q}x a8$ $\mathbb{Q}c7$ =) 3... $\mathbb{Q}c4$ 4 d7 $\mathbb{Q}e5$ 5 d8(\mathbb{Q})! wins. **(20 MARKS)**

Total Marks Available	110
Your Score	_____
Your Percentage	_____
Your Rating	_____

three

BISHOP AGAINST PAWNS

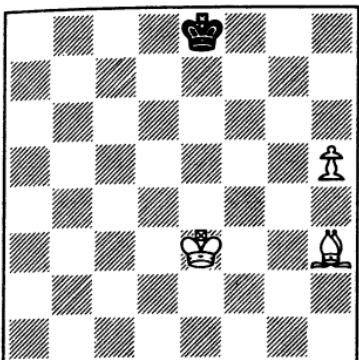
Despite their seeming simplicity, these endings contain many subtleties and the solution of studies with this material balance will greatly help the reader if one should arise in practical play. A few of these endings are very difficult,

being some of the most complex theoretical positions known. Often tactical methods are used to hinder the advance of the pawns. We recommend that the reader works through the examples in the order in which they occur.

Test 31

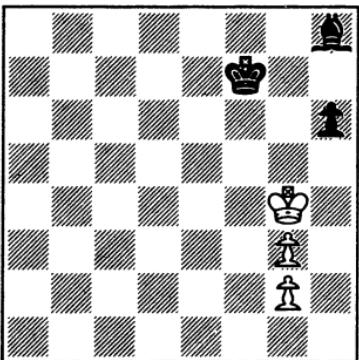
Time Allowed 90 minutes

181 A. Troitsky, 1896



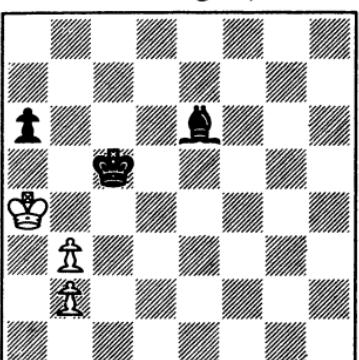
White wins

182 A. Wotawa, 1935



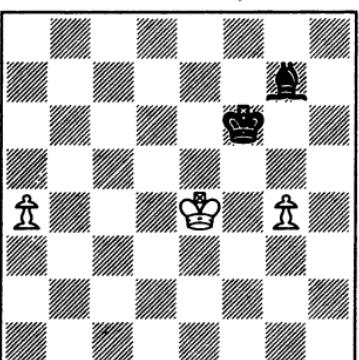
Draw

183 T. Gorgiev, 1967



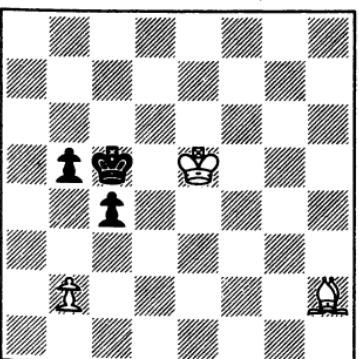
Draw

184 H. Otten, 1892



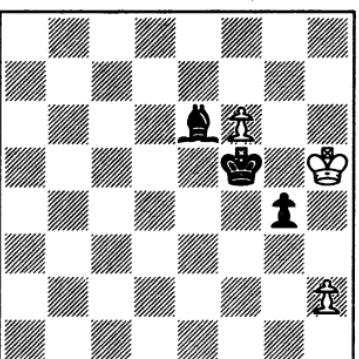
White wins

185 V. Neishtadt, 1930



White wins

186 V. Ganshin, 1951



Draw

Solutions to Test 31

- 181** 1 ♜e6 ♜e7 2 h6 ♜f6 3 ♜f5 ♜f7 4 ♜h7 ♜f6 5 ♜f4 wins. **(5 MARKS)**
- 182** 1 ♜h5! (If the white king retires to h1, Black places his king on f1 and his bishop on g1. With the white king unable to move, White must advance his g-pawn until it is captured, thereby turning the drawing h-pawn of Black into a winning g-pawn) 1 ... ♜g7 2 g4 ♜f6 3 g5+ hg 4 g4 ♜h8 5 ♜h6! =. **(10 MARKS)**
- 183** 1 ♜a5 ♜c8 2 b4+ ♜c6 (2 ... ♜c4 3 b3 wins) 3 b3 ♜b7 4 b5+ ab 5 b4! =. **(10 MARKS)**
- 184** 1 a5 ♜f8 2 ♜d5 ♜h6 3 g5+! ♜xg5 4 ♜e4 ♜h4 5 ♜f3 wins. **(10 MARKS)**
- 185** 1 ♜g1+ ♜b4 2 ♜d4 ♜b3 3 ♜c3 b4 4 ♜d4! wins. **(10 MARKS)**
- 186** 1 f7 ♜xf7+ 2 ♜h4 ♜f4 3 h3 =. **(5 MARKS)**

Total Marks Available **50**

Your Score _____

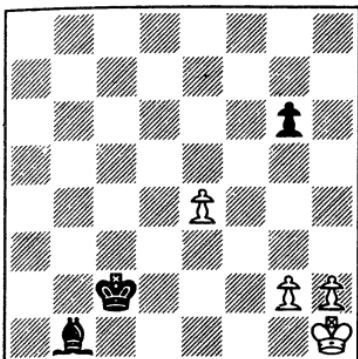
Your Percentage _____

Your Rating _____

Test 32

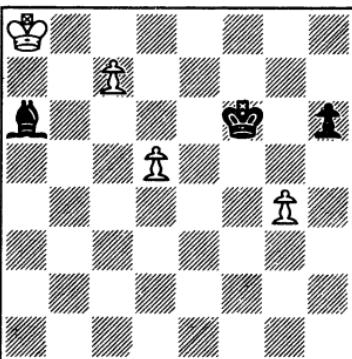
Time Allowed 90 minutes

187 S. Zhigis, 1927



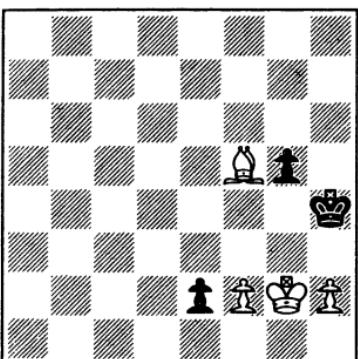
Draw

188 R. Réti, 1929



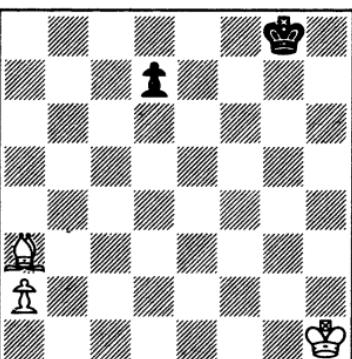
Draw

189 V. Chekhover, 1952



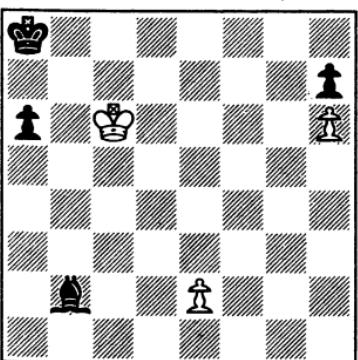
Draw

190 O. Duras, 1908



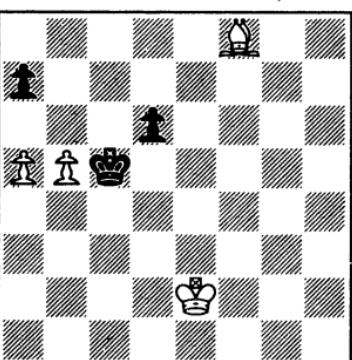
White wins

191 Zh. Biuzandian, 1961



Draw

192 A. Herbstmann, 1928



White wins

Solutions to Test 32

- 187 1 h4 ♜d3 2 h5 gh 3 ♜h2 ♜xe4 4 ♜h3 ♜f4 5 ♜h4 ♜g6 6 g4=.
(5 MARKS)
- 188 1 d6 (1 ♜b8 ♜e5 2 c8(+) ♜x c8 3 ♜x c8 ♜d5 4 ♜d7 ♜e5 wins)
1... ♜e6 2 d7! ♜x d7 3 ♜a7 ♜c8 (3... ♜x c7 4 ♜x a6) 4 ♜b8
5 ♜a6 5 ♜a7!=.
(10 MARKS)
- 189 1 ♜g4!! e1(+) 2 h3!=.
(5 MARKS)
- 190 1 ♜b4! ♜f7 2 a4 ♜e6 (2... ♜e8 3 a5 ♜d8 4 ♜d6 wins) 3 a5 ♜d5
4 a6 ♜c6 5 ♜a5 wins.
(10 MARKS)
- 191 1 ♜b6 ♜c1 2 e3! ♜x e3+ 3 ♜x a6 ♜x h6 4 ♜b5 ♜g5 5 ♜c4 h5
6 ♜d3 h4 7 ♜e2 h3 8 ♜f2=.
(10 MARKS)
- 192 1 b6 ab 2 a6 ♜c6 3 ♜e7! ♜c7 (3... b5 4 ♜d8 b4 5 ♜d3 d5 6 ♜d4
wins) 4 ♜x d6+ ♜c6 5 ♜d3 b5 6 ♜c5 ♜c77 ♜a7 ♜c6 8 ♜c3 wins.
(10 MARKS)

Total Marks Available **50**

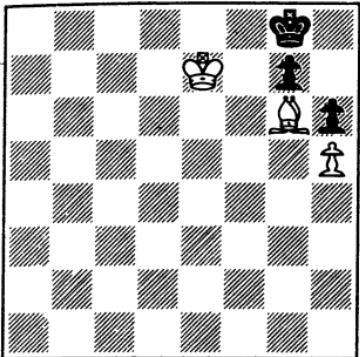
Your Score _____

Your Percentage _____

Your Rating _____

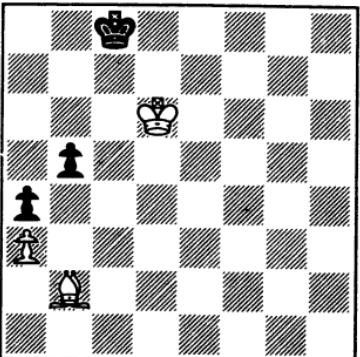
Test 33 *Time Allowed 90 minutes*

193 Instructive Position



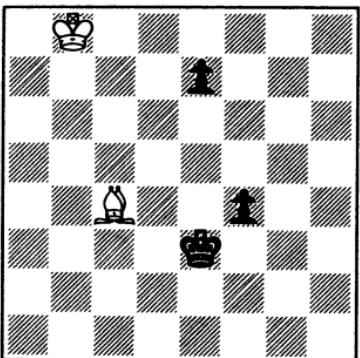
White wins

194 B. Horwitz, 1885



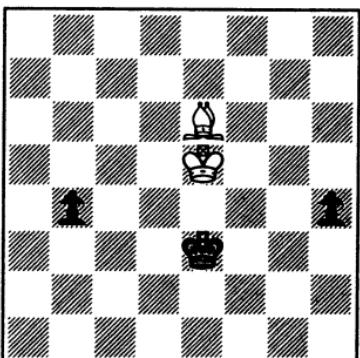
White plays and wins
Black plays and draws

195 N. Grigoriev, 1927



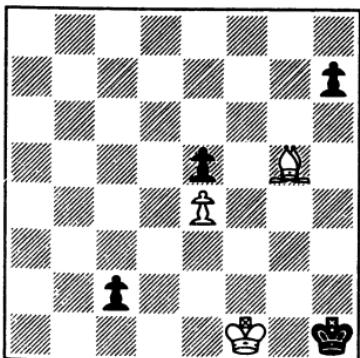
Draw

196 A. Selezniev, 1917



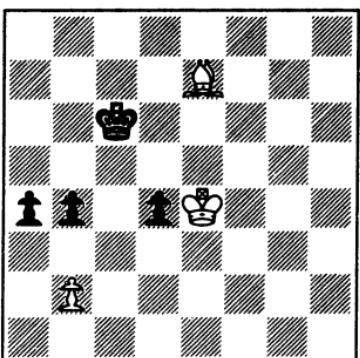
Draw

197 N. Grigoriev, 1929



White wins

198 A. Batuyev, 1940



White wins

Solutions to Test 33

- 193 1... ♕h8 2 ♘f7 g5 (2... ♕h7 3 ♘f8 ♕h8 4 ♘g8 wins) 3 hg ♕g74
 ♕e6 h5 5 ♘f5 wins. (5 MARKS)
- 194 White to move: 1 ♘f6! ♕b7 2 ♘d8 ♕c8 3 ♘b6 ♕b74 ♕c5 ♕c8 5
 ♕c6 ♕b8 6 ♘d8 ♕a8 (6... ♕a7 7 ♘c7 ♕a8 8 ♕b6 wins) 7 ♕b6
 ♕b8 8 ♘c7+ and wins. (5 MARKS)
 Black to move: 1... ♕d8 2 ♘f6+ ♕e8!! =. (5 MARKS)
- 195 1 ♘e6 f3 2 ♕c7 f2 3 ♘h3 ♕f3 4 ♕c6! e5 5 ♕d5 e4 6 ♕d4 e3 7 ♕d3
 e2 8 ♘g4+! =. (10 MARKS)
- 196 1 ♕d6 ♕d4 2 ♕c6 ♕c3 (2... ♕e5 3 ♕d7) 3 ♕d5 b3 4 ♕e4 b2
 5 ♘a2 =. (5 MARKS)
- 197 1 ♕e2 ♕g2 2 ♕d3 ♕f3 3 ♘h6! c1(♕) 4 ♘xc1 h5 5 ♘g5 ♕g4 6 ♘f6
 ♕f4 7 ♘e7 ♕f3 8 ♘d8 ♕f4 9 ♘f6 wins. (10 MARKS)
- 198 1 ♘f6! (1 ♘xb4? ♕b5 2 ♘f8 a3! 3 ♘xa3 ♕c4 4 ♘f8 ♕b3 5 ♘a3
 ♕c4 =) 1... ♕c5 2 ♕d3 b3 3 ♘g7 ♕d5(b5) 4 ♘f8 ♕e5 5 ♕c4
 ♕e4 6 ♕b4 d3 7 ♘h6 wins (1... b3 2 ♘e7 wins). (10 MARKS)

Total Marks Available

50

Your Score

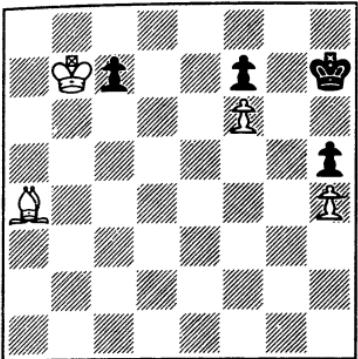
Your Percentage

Your Rating

Test 34

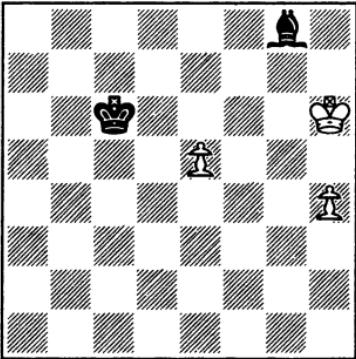
Time Allowed 90 minutes

199 F. Bondarenko and
A. Kakovin, 1956



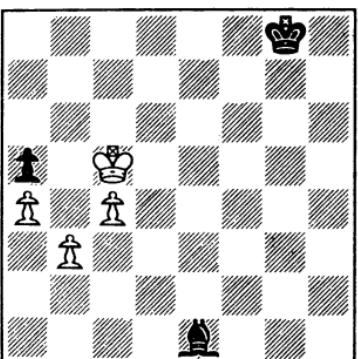
White wins

200 Instructive
Position



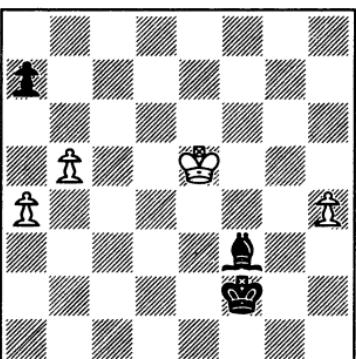
White wins

201 L. Kubbel, 1937



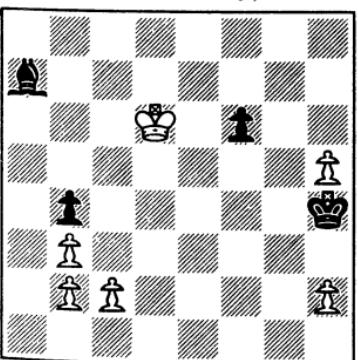
White wins

202 R. Réti, 1929



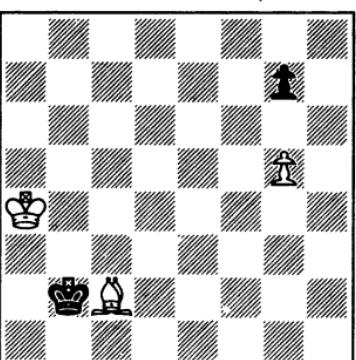
White wins

203 A. Troitsky, 1928



White wins

204 H. Weenink, 1922



White wins

Solutions to Test 34

- 199** 1 $\mathbb{Q}c2+$ $\mathbb{Q}h6$ 2 $\mathbb{Q}b1$ c5 (2... c6 $\mathbb{Q}c7$ wins) 3 $\mathbb{Q}c6$ c4 4 $\mathbb{Q}d5$ c3 5 $\mathbb{Q}e4$ $\mathbb{Q}g6$ 6 $\mathbb{Q}e5$ $\mathbb{Q}h6$ 7 $\mathbb{Q}f5$ wins. (5 MARKS)
- 200** 1 $\mathbb{Q}g7$ $\mathbb{Q}c4$ 2 h5 $\mathbb{Q}d3$ 3 h6 $\mathbb{Q}d7$ 4 $\mathbb{Q}f7$ $\mathbb{Q}c4+$ 5 e6+ $\mathbb{Q}x e6+$ 6 $\mathbb{Q}f6$ $\mathbb{Q}g8$ 7 $\mathbb{Q}g7$ wins. (5 MARKS)
- 201** 1 $\mathbb{Q}b6$ $\mathbb{Q}f7$ 2 c5 $\mathbb{Q}e7$ (2... $\mathbb{Q}f2$ 3 $\mathbb{Q}x a5$ $\mathbb{Q}x c5$ 4 $\mathbb{Q}b5$ $\mathbb{Q}f2$ 5 a5 $\mathbb{Q}e7$ 6 $\mathbb{Q}c6$ $\mathbb{Q}d8$ 7 $\mathbb{Q}b7$ wins) 3 $\mathbb{Q}c7$ $\mathbb{Q}g3+$ 4 $\mathbb{Q}c8$ $\mathbb{Q}e6$ 5 c6 $\mathbb{Q}d6$ 6 $\mathbb{Q}b7$ $\mathbb{Q}c5$ 7 c7 $\mathbb{Q}x c7$ 8 $\mathbb{Q}x c7$ $\mathbb{Q}b4$ 9 $\mathbb{Q}b6$ wins. (10 MARKS)
- 202** 1 $\mathbb{Q}f5$ $\mathbb{Q}e3$ (1... $\mathbb{Q}e2$ 2 $\mathbb{Q}f4!$ wins) 2 a5 $\mathbb{Q}d4$ 3 b6 ab 4 ab $\mathbb{Q}c5$ 5 $\mathbb{Q}f4$ $\mathbb{Q}d5$ 6 $\mathbb{Q}e5$ $\mathbb{Q}f3$ 7 h5 $\mathbb{Q}x b6$ 8 h6 wins. (10 MARKS)
- 203** 1 h6 $\mathbb{Q}d4$ 2 $\mathbb{Q}d5$ $\mathbb{Q}x b2$ 3 c4! bc 4 h7 c2 5 h8(\mathbb{Q}) $\mathbb{Q}g4$ 6 $\mathbb{Q}g7$ wins. If 3... f5 4 c5 f4 5 $\mathbb{Q}e4$ $\mathbb{Q}g4$ 6 c6 f3 7 c7 f2 8 c8(\mathbb{Q})+ and wins. (10 MARKS)
- 204** 1 $\mathbb{Q}b1!$ (1 $\mathbb{Q}h7$ $\mathbb{Q}c3$ 2 $\mathbb{Q}b5$ $\mathbb{Q}d4$ 3 $\mathbb{Q}c6$ $\mathbb{Q}e5$ 4 g6 $\mathbb{Q}e6$ or 4 $\mathbb{Q}d7$ g6 =. If 1 $\mathbb{Q}b4$ $\mathbb{Q}x c2$ 2 $\mathbb{Q}c4$ $\mathbb{Q}d2$ 3 $\mathbb{Q}d4$ $\mathbb{Q}e2$ 4 $\mathbb{Q}e4$ $\mathbb{Q}f2$ 5 $\mathbb{Q}f4$ $\mathbb{Q}g2$ 6 $\mathbb{Q}g4$ g6 =) 1 $\mathbb{Q}x b1$ 2 $\mathbb{Q}b3$ $\mathbb{Q}c3$ $\mathbb{Q}d1$ 4 $\mathbb{Q}d3$ $\mathbb{Q}e1$ 5 $\mathbb{Q}e3$ $\mathbb{Q}f1$ 6 $\mathbb{Q}f3$ $\mathbb{Q}g1$ 7 $\mathbb{Q}g3$ $\mathbb{Q}f1$ 8 g6! $\mathbb{Q}e2$ 9 $\mathbb{Q}f4$ wins. (10 MARKS)

Total Marks Available

50

Your Score

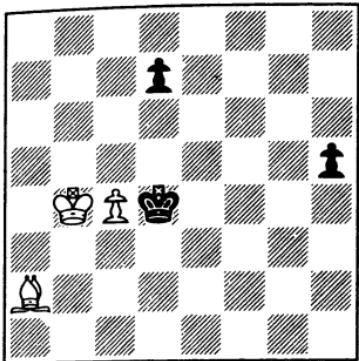
Your Percentage

Your Rating

Test 35

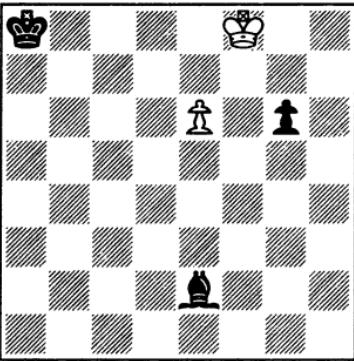
Time Allowed 90 minutes

205 L. Kayev, 1940



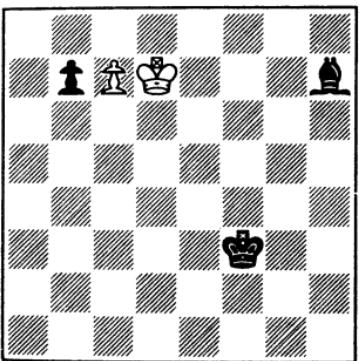
White wins

206 R. Réti, 1928



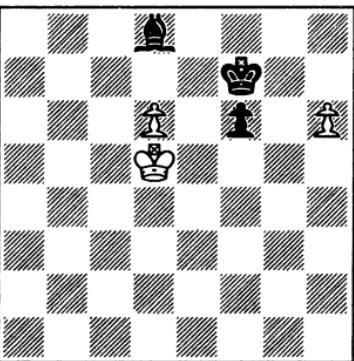
Draw

207 A. and K. Sarychev
with I. Bondarevsky, 1936



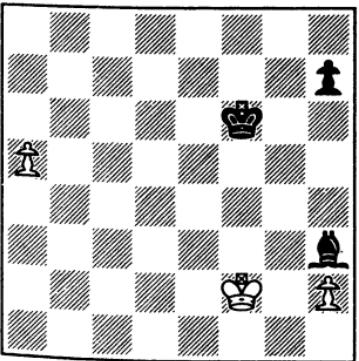
Draw

208 R. Réti, 1929



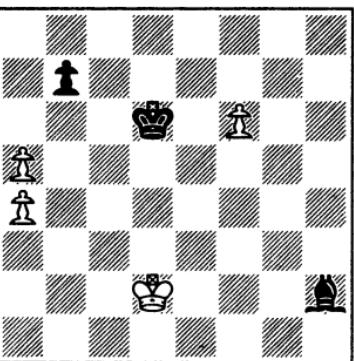
Draw

209 S. Alapin, 1907



Draw

210 A. Gurevich, 1927



Draw

Solutions to Test 35

- 205** 1 c5! (1 ♜b1 h4 2 ♜f5 d6 3 ♜h3 ♜d3 4 ♜f1+ ♜d4 5 ♜b5 ♜c3=) 1... h4 2 ♜e6! de 3 c6 h3 4 c7 h2 5 c8(+) h1(+) 6 ♜c3+ ♜d5 7 ♜c5+ ♜e4 8 ♜c6+ and wins. **(10 MARKS)**
- 206** 1 ♜e7! g5 2 ♜d6 g4 (2... ♜h5 3 ♜e5 ♜b7 4 e7=) 3 e7 ♜b5 4 ♜c5 ♜d7 5 ♜d4 ♜b7 6 ♜e4 ♜c6 7 ♜f4 ♜d6 8 e8(+) =. **(10 MARKS)**
- 207** 1 ♜c8! b5 2 ♜d7 b4 3 ♜d6 ♜f5 4 ♜e5 and 5 ♜d4=. **(5 MARKS)**
- 208** 1 ♜c6! ♜a5 (1... f5 2 ♜d5 ♜f6 3 d7 ♜e7 4 d8(+)) ♜x d8 5 ♜e6 =) 2 ♜d5 ♜c3 3 h7 f5 4 d7 ♜e7 5 d8(+) + ♜x d8 6 ♜e6 f4 7 ♜d5 f3 8 ♜c4!=. **(10 MARKS)**
- 209** 1 a6 ♜c8 2 a7 ♜b7 3 ♜g3 ♜g5 4 ♜h3 ♜e4 (4... h5 5 ♜g3 h4+ 6 ♜h3=) 5 ♜g3 ♜f5 6 ♜h4 ♜e5 7 ♜h5 ♜d6 8 ♜h6 any 9 a8(+) =. **(10 MARKS)**
- 210** 1 f7 ♜f4+ 2 ♜c3 ♜h6 3 f8(+) + ♜x f8 4 a6 ba 5 ♜b4 ♜c6+ 6 ♜a5 =. **(5 MARKS)**

Total Marks Available **50**

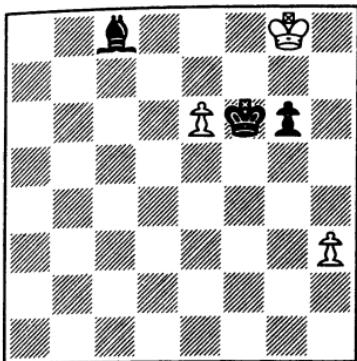
Your Score _____

Your Percentage _____

Your Rating _____

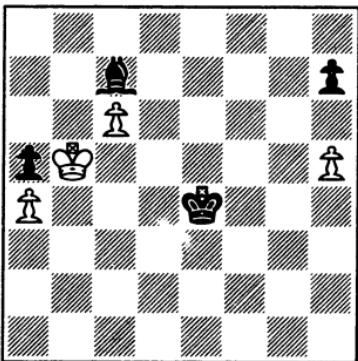
Test 36 *Time Allowed 90 minutes*

211 L. Kubbel, 1904



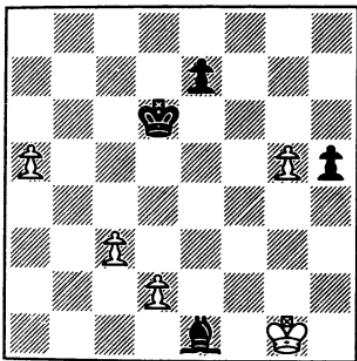
Draw

212 A. Batuyev, 1947



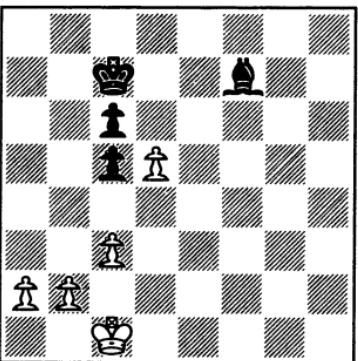
Draw

213 A. Ivanov, 1951



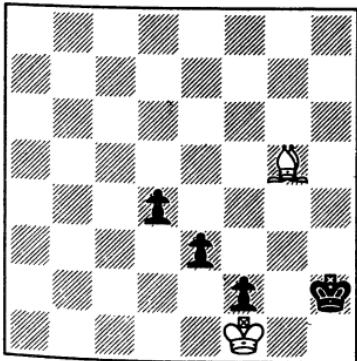
Draw

214 L. Kubbel, 1923



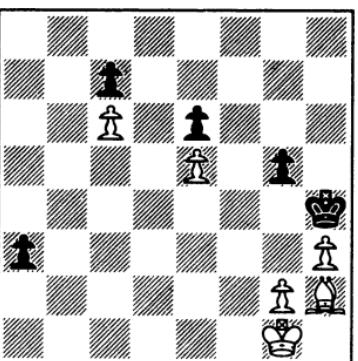
Draw

215 H. Weenink, 1918



Draw

216 L. Kubbel, 1916



Draw

Solutions to Test 36

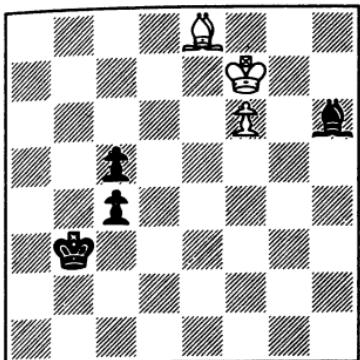
- 211** 1 e7 ♕xe7 (1... ♖d7 2 ♕f8 =) 2 ♕g7 ♖f5 3 h4 ♖d3 4 ♕h6 ♕f6
5 h5 =. (5 MARKS)
- 212** 1 ♕a6 ♕d5 2 ♕b7 ♕d6 3 h6 ♖d8 4 ♕c8 ♖b6 5 ♕b7 ♖c7 (5...
♕c5 6 c7 ♖xc7 7 ♕xg7 ♕b4 8 ♕d7 =) 6 ♕c8! ♖b6 7 ♕b7.
(10 MARKS)
- 213** 1 g6 ♕e6 2 a6 ♖xd2 3 ♕f2 ♖xc3 4 ♕e3 ♖xa5 5 ♕f4 ♖b6 6 ♕g5
♕e3+ 7 ♖xh5 ♕f6 8 a7 ♖xa7 9 ♕h6 ♖d4 10 g7 ♕f7 11 ♕h7 =.
(10 MARKS)
- 214** 1 dc ♖xa2 2 b4 c4 3 b5 ♖b3 4 ♖b2 ♖a4 5 ♖a3 ♖xb5 6 ♖b4
♖xc6 (6... ♖a6 7 ♕c5 =) 7 ♕a5! =. (10 MARKS)
- 215** 1 ♖h4! d3 2 ♖xf2 d2 3 ♖el! d1(♕) 4 ♕e2 ♖a1 5 ♖c3 ♖a3 6 ♖d4!
=. (10 MARKS)
- 216** 1 g4 ♕xh3 (1... a2? 2 ♕g2 wins) 2 ♕h1 a2 3 ♖gl a1(♕) 4 ♖d4!
=. (5 MARKS)

Total Marks Available	50
Your Score	_____
Your Percentage	_____
Your Rating	_____

Test 37

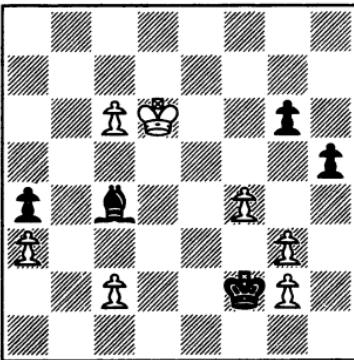
Time Allowed 90 minutes

217 A. Selezniev, 1921



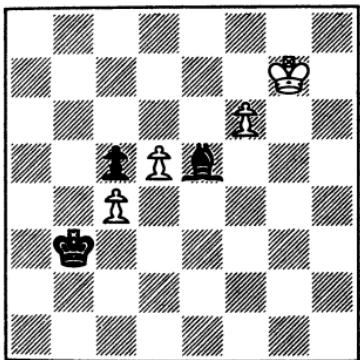
Draw

218 J. Möller, 1909



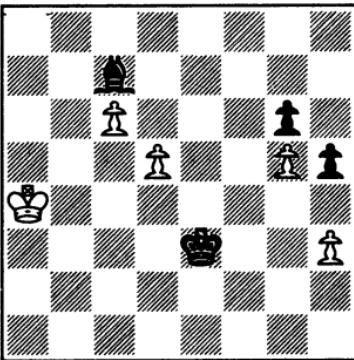
Draw

219 L. Prokes, 1942



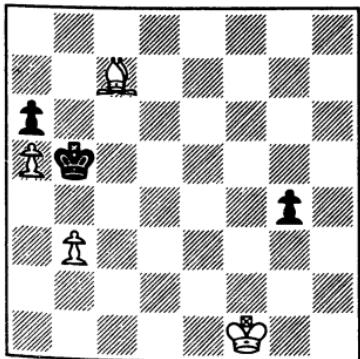
Draw

220 V. Korolkov, 1949



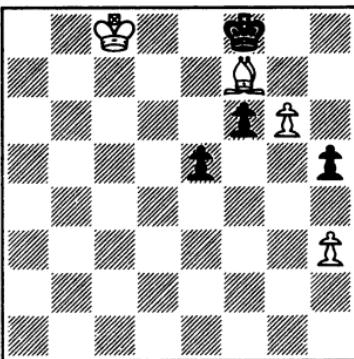
Draw

221 V. and M. Platov, 1926



White wins

222 L. Kubbel, 1925



Draw

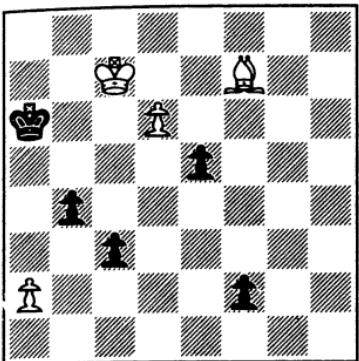
Solutions to Test 37

- 217** 1 ♜g6 ♜f4 (1... c3 2 ♜×h6 c2 3 f7 cl(+) + 4 ♜g7 =) 2 ♜f7 (2 ♜f5 c3!) 2... ♜b4 3 ♜×c4 ♜×c4 4 ♜f5 ♜d6 5 ♜e6 ♜f8 6 ♜f7 ♜h6 7 ♜g6 =. **(10 MARKS)**
- 218** 1 g4 hg 2 f5 gf 3 ♜c5 =. **(5 MARKS)**
- 219** 1 ♜f7 ♜×c4 2 d6 ♜×d6 3 ♜e6 =. **(5 MARKS)**
- 220** 1 ♜b5 ♜d4 (1... ♜f4 2 ♜c5 ♜e5 3 h4 ♜b8 4 ♜b6 ♜d6 5 ♜b7 =) 2 ♜a6 ♜×d5 3 ♜b7 ♜d6 4 h4 ♜d8 5 ♜c8 ♜e7 6 ♜b7 ♜d8 7 ♜c8 ♜a5 8 ♜b7 ♜c7 9 ♜c8 =. **(10 MARKS)**
- 221** 1 ♜d6 ♜×a5 2 ♜e2 (2 ♜g2 ♜b5 3 ♜g3 a5 4 ♜a3 ♜c6 5 ♜×g4 ♜d5) 2... g3 3 ♜d3 g2 4 ♜c4 gl(+) 5 ♜c7+ ♜b6 6 b4+ and wins. **(10 MARKS)**
- 222** 1 ♜d7 e4 2 ♜e6 ♜g7 3 ♜f5 e3 4 ♜c4 h4 5 ♜d3 ♜h6 6 ♜×f6 e2 7 g7 e1(+) 8 g8(+) + ♜h5 9 ♜g6 mate. **(10 MARKS)**

Total Marks Available	50
Your Score	_____
Your Percentage	_____
Your Rating	_____

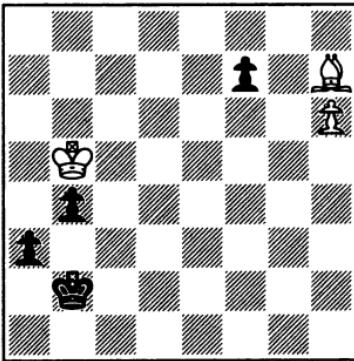
Test 38 *Time Allowed 120 minutes*

223 A. Troitsky, 1930



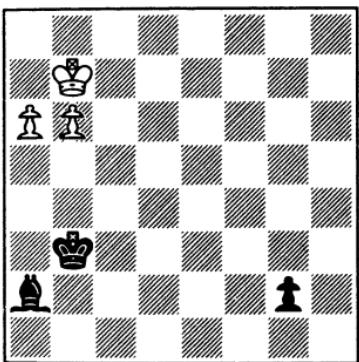
White wins

224 L. Zalkind, 1916



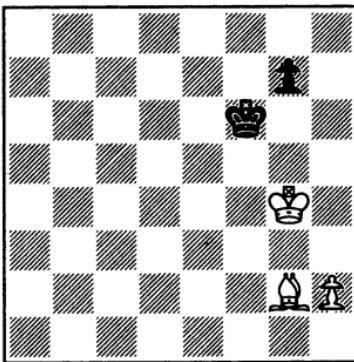
White wins

225 F. Richter, 1953



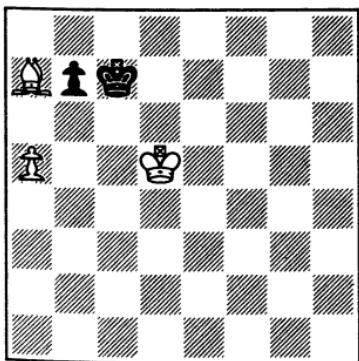
Draw

226 V. Košek, 1930



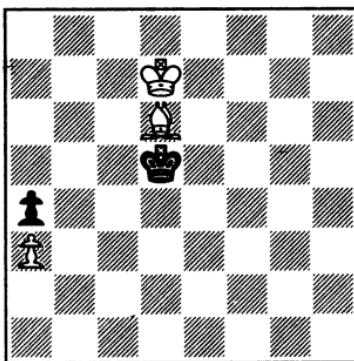
White wins

227 L. Paulsen and
I. Metger, 1888



White wins

228 Instructive Position



Black to play and draw

Solutions to Test 38

- 223** 1 ♜c4+ ♖a7 (1... ♖a5 2 d7 f1(+) 3 ♜xf1 c2 4 d8(+) c1(+)
5 ♖b7 wins) 2 d7 f1(+) 3 ♜xf1 c2 4 d8(+) c1(+) 5 ♖c6+ ♖a8
6 ♜a6 wins. **(15 MARKS)**
- 224** 1 ♜c2! a2 2 h7 a1(+) 3 h8(+) + ♖a2 4 ♜b3+ ♖b1 5 ♖h7+ ♖b2
6 ♖c2+ ♖a3 7 ♜d5 ♖f1+ 8 ♖a5 wins. **(15 MARKS)**
- 225** 1 a7 ♖b2 2 ♖b8 (2 ♖c7? g1(+) 3 a8(+) ♖g3+ 4 ♖d7 ♖g7+
5 ♖d6 ♖f6+ 6 ♖c7 ♖e5+ 7 ♖d7 ♜e6 wins) 2... ♜d5 3 b7 g1(+)
4 a8(+) ♖b6 5 ♖c8 ♜e6+ 6 ♖b8 ♜d7 7 ♖a5! ♖xa5=.
(15 MARKS)
- 226** 1 ♖h5! g5 (1... ♖f7 2 ♜d5+ ♖f6 3 ♜g8 g5 4 ♖h6 ♖f5 5 h3! ♖f6
6 ♜d5 ♖f5 7 ♖g7 wins. If 3... ♖f5 4 ♜h7 ♖f6 5 ♜g6 ♖e7 6 ♖g5
♖f8 7 ♜h7 wins) 2 ♖h6 g4 3 ♜e4 ♖f7 (3... ♖e5 4 ♖g5 ♖e6
5 ♖g6 ♖e5 6 ♜b7 ♖f4 7 ♖f6 g3 8 h3 wins) 4 ♜h7 ♖f6 5 ♜g6 ♖e6
6 ♜e8 ♖e7 7 ♜c6 ♖f8 8 ♜d5 ♖e7 9 ♖g7 ♖d6 10 ♜b7 ♖e5
11 ♖g6 wins. **(25 MARKS)**
- 227** 1 ♖d4! ♖c6 2 ♜b6 ♖d6 3 ♖c4 ♖c6 4 ♖b4 ♖d6 5 ♖b5 ♖d7
6 ♖c5 ♖c8 7 ♜a7 ♖c7 8 ♖b5 ♖d7 9 ♜b8 ♖c8 10 ♜f4 wins.
(15 MARKS)
- 228** 1... ♖e4 2 ♖e6 ♖d4 3 ♜b4 (3 ♜f8 ♖e4 4 ♜g7 ♖f4 5 ♜f6 ♖g4
6 ♖e5 ♖h5=) 3... ♖c4 4 ♖d6 ♖d4 5 ♜c5 ♖e4 6 ♖e6 ♖f4
7 ♜e7 ♖e4 8 ♜f6 ♖f4 9 ♜e5 ♖g5!=. **(15 MARKS)**

Total Marks Available

100

Your Score

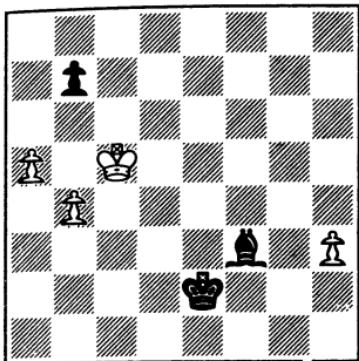
Your Percentage

Your Rating

Test 39

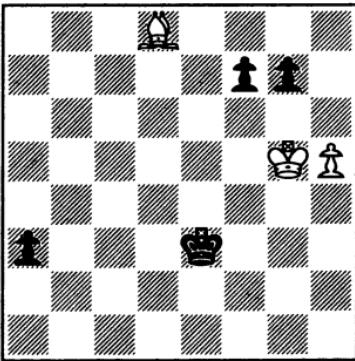
Time Allowed 120 minutes

229 I. Bondarevsky, 1959



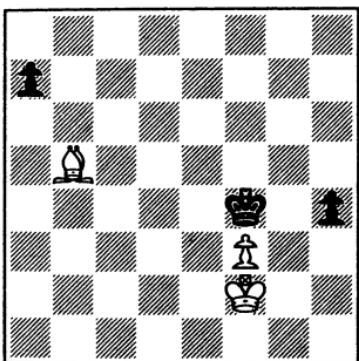
Draw

230 P. Farago, 1958



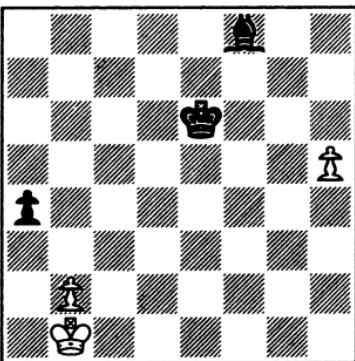
Draw

231 A. Yaroslavtsev, 1957



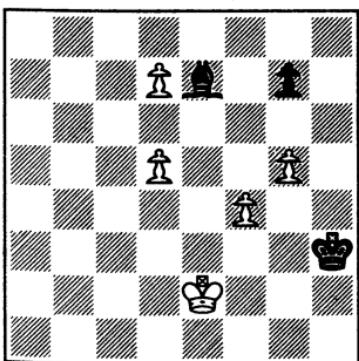
White wins

232 V. Ganshin, 1951



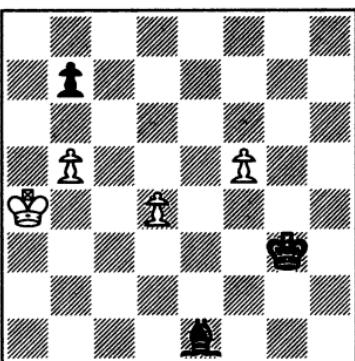
Draw

233 R. Réti, 1929



White wins

234 V. Tyavlovsky, 1957



White wins

Solutions to Test 39

- 229** 1 ♜d4 ♜f2 2 h4 ♜e2 (2... ♜g3 3 ♜e3! ♜g4 4 b5 ♜xh4 5 b6 ♜c8! 6 ♜f4 ♜h5 7 ♜e5, 8 ♜d6 and 9 ♜c7 wins) 3 ♜c5 (3 ♜e4 ♜g2! 4 ♜f5 ♜f3! 5 h5 ♜e3 6 h6 ♜d4 or 4 ♜e3 ♜f7=) 3... ♜e3 4 ♜b6 ♜f3 5 h5 ♜xh5 6 ♜xb7 ♜e2 7 ♜b6 ♜d4 8 a6 ♜c4 9 b5 ♜f3 10 a7 ♜a8 11 ♜a6. If 7 a6 ♜d4 8 a7 ♜c6=. **(20 MARKS)**
- 230** 1 1 h6 gh+ 2 ♜g4! (2 ♜f5 a2 3 ♜f6 ♜f3 4 ♜b2 h5 5 ♜g5 f5 6 ♜xh5 f4 wins) 2... h5+ 3 ♜f5 ♜f3 4 ♜f6 ♜g3 5 ♜e5+ ♜h3 6 ♜f4 ♜g2 7 ♜f6=. **(15 MARKS)**
- 231** 1 ♜a6 ♜g5 (1... h3 2 ♜f1 h2 3 ♜g2 a5 4 ♜e2 a4 5 ♜d2 ♜g3 6 ♜h1 ♜f2 7 f4 wins) 2 ♜c8! (2 ♜e3 h3 3 ♜f2 ♜h4 4 ♜b5 a5 5 ♜c6 h2 6 ♜g2 h1(+) + 7 ♜h1 ♜g3 8 ♜g1 a4=) 2... ♜f4 3 ♜h3 a5 4 ♜d7 ♜e5 5 ♜e3 ♜d5 6 f4 ♜d6 7 ♜h3 wins. If 1... ♜e5 2 ♜e3 h3 3 ♜f1 h2 4 ♜g2 a5 5 ♜d3 a4 6 ♜c3 ♜f4 7 ♜b4 ♜e3 8 ♜h1 wins. **(20 MARKS)**
- 232** 1 ♜a2! ♜f5 2 ♜b1 ♜e5 3 ♜a2 ♜e6 4 h6 (4 ♜b1 ♜d5 5 ♜a2 ♜c4 6 h6 ♜b4 wins) 4... ♜f7 5 h7 ♜g7 6 ♜b1 ♜xh7 ♜c2 ♜g7 8 b4 ♜g6 9 ♜b1! ♜f8 10 b5 ♜f5 11 b6 ♜e6 12 b7 ♜d6 13 ♜a2 ♜d7 14 b8(+)! **(15 MARKS)**
- 233** 1 ♜d3 ♜g3 2 ♜e3 ♜h4 3 ♜d4 ♜g4 (3... ♜d8 4 g6 ♜h5 5 f5 ♜f6+ 6 ♜c5 ♜g5 7 ♜d6 ♜d8 8 ♜e6 wins, or 3... g6 4 d6 ♜d8 5 ♜d5 ♜g4 6 ♜e5 ♜a5 7 f5 wins). **(15 MARKS)**
- 234** 1 f6 (1 d5 ♜c3 2 d6 ♜e5 3 d7 ♜f6 4 ♜a5 ♜d8+ draws) 1... ♜d2 2 ♜f7 ♜h6 3 d5! (3 ♜a5 ♜f4 4 ♜b6 ♜f5 5 ♜xh7 ♜e6=) 3... ♜f8 4 ♜a5 ♜f4 5 d6! (5 ♜b6 ♜e5 6 ♜xh7 ♜xh6 7 b6 ♜d6!=) 5... ♜xh6 6 ♜b6 ♜e5 7 ♜xh7 ♜d5 (7... ♜e6 8 ♜c6 wins) 8 b6 wins. **(15 MARKS)**

Total Marks Available **100**

Your Score _____

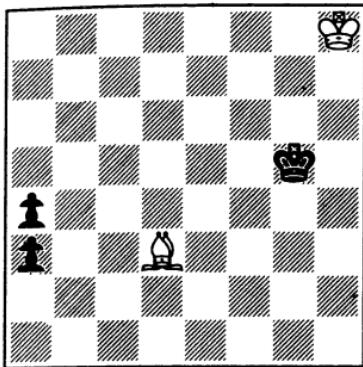
Your Percentage _____

Your Rating _____

Test 40

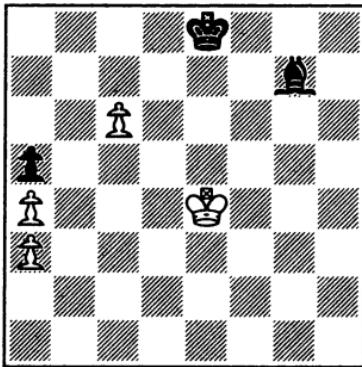
Time Allowed 120 minutes

235 G. Nadareishvili, 1951



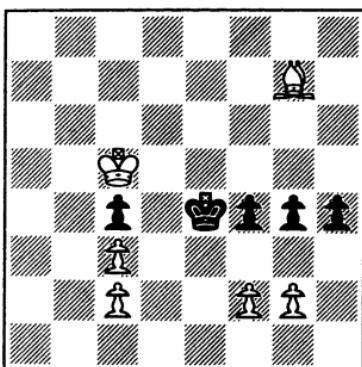
Draw

236 I. Kriheli, 1954



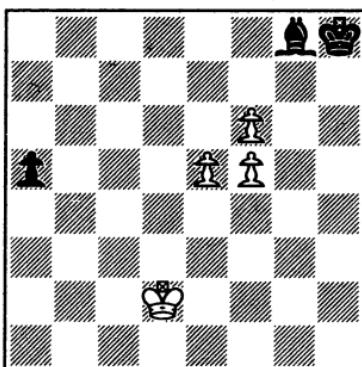
Draw

237 V. Chekhover, 1952



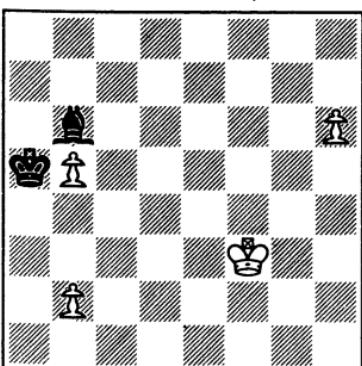
Draw

238 M. Liburkin, 1948



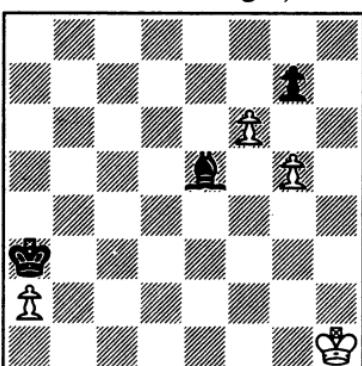
White wins

239 M. Lewitt, 1933



White wins

240 O. Weinberger, 1960



White wins

Solutions to Test 40

- 235** 1 ♜c4! ♜f6! 2 ♜g8!! ♜e5 3 ♜g7 ♜d4 4 ♜f6 ♜c3 5 ♜e5 ♜b2 6 ♜d4 a2 7 ♜xa2 ♜xa2 8 ♜c3= If 1 ♜b1? ♜f4 2 ♜g7 ♜e3 3 ♜f6 ♜d2 4 ♜e5 ♜c1 5 ♜a2 ♜b2 6 ♜g8 a2 7 ♜xa2 ♜xa2 wins. **(15 MARKS)**
- 236** 1 ♜d5 ♜d8 (1... ♜f8 2 ♜c4 ♜d6 3 ♜b5 ♜c7 4 ♜a6 ♜e7 5 ♜a7! ♜e8 6 ♜a6(a8) ♜e7 7 ♜a7 ♜d6 8 ♜b7 ♜d8 9 ♜c8 ♜b6 10 ♜b7 ♜c11 ♜c8=) 2 ♜c5 ♜c7 3 ♜b5 ♜c3 4 ♜c5 ♜b8 5 ♜b6 (5 ♜b5 ♜a7 6 ♜c4 ♜d2 7 ♜b5 ♜e1 8 ♜c5 ♜a6 9 ♜d6 ♜b6 wins) 5... ♜e1 6 ♜a6 ♜c7 7 ♜b5 ♜d2 8 ♜c5 ♜e3+ 9 ♜b5 ♜b6 10 ♜a6!=. **(20 MARKS)**
- 237** 1 ♜d4! f3 2 g3 (2 gf+ ♜xf3 3 ♜xc4 h3 4 ♜e5 ♜xf2 wins) 2... h3 3 ♜b4! h2 4 ♜a3 h1(+) 5 ♜b2=. If Black manoeuvres his king to a4 and his queen to e7 White plays 1 ♜a2 ♜a3+ 2 ♜b1 ♜a5 3 ♜e5 ♜b5 4 ♜f6 = but not 4 ♜d4? ♜a4! wins. **(15 MARKS)**
- 238** 1 e6 a4 2 ♜d1! (2 ♜cl(c3)? a3 3 ♜b1(b3) ♜h7!=) 2... a3 3 ♜cl! ♜h7 (3... ♜h7 4 e7 wins or 3... a2 4 ♜b2 wins) 4 ♜b1 ♜h6 5 ♜a1! (5 ♜a2? ♜h7 6 e7 ♜g8 wins) 5... ♜h7 6 ♜a2 ♜h6 7 ♜xa3 wins. **(15 MARKS)**
- 239** 1 ♜e4 ♜d8 2 b6! (2 ♜f5? ♜b6 3 ♜e4 ♜d8=) 2... ♜a6 (2 ♜b6 3 ♜f5 wins) 3 ♜e5! ♜g5 4 h7 ♜c1 5 ♜d6! (5 ♜d5? ♜xb2 6 ♜c6 ♜e5!=) 5... ♜xb2 6 ♜c7! ♜e5+ 7 ♜c6 ♜g7 8 b7 ♜a7 9 ♜c7 wins. **(15 MARKS)**
- 240** 1 f7 ♜d6 2 ♜g2 ♜xa2 3 ♜f3 ♜b3 4 ♜e4 ♜c4 (4... g6 5 ♜d5 ♜b4 6 ♜e6 ♜c4 7 ♜f6 ♜d5 8 ♜g6 ♜e6 9 ♜g7 ♜f5 10 g6 ♜g5 11 ♜h7 wins) 5 ♜f5 ♜d5 6 ♜g6 ♜f8 7 ♜h7 ♜e6 8 ♜g8 ♜e7 9 g6 wins. **(20 MARKS)**

Total Marks Available

100

Your Score

Your Percentage

Your Rating

four

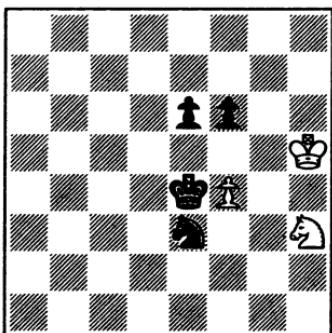
KNIGHT ENDINGS

This is one of the most difficult and comparatively least investigated aspects of endgame theory. The very 'fluidity' of knight endings makes them much harder to classify than those endings with more tractable pieces.

As a rule the defending side will try to exchange off pawns and then give up the knight for the remaining enemy pawn. This is not always successful. When both sides have three or more pawns, an extra pawn will usually be decisive (cf Fine's demonstration below). In knight endings outside passed pawns and especially rook's pawns are much more dangerous than central ones. This happens because the knight's mobility and hence its ability to deal with the pawns is often badly restricted by the edge of the board.

An advantage of two pawns will almost always be decisive. However, there are exceptions such as the position below. White's game looks hopeless but he managed to find a study-like path to the draw.

Taimanov-Spassky
Leningrad 1952



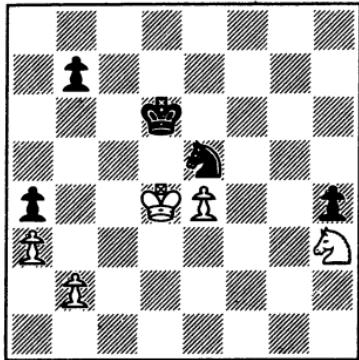
White plays and draws

1 $\mathbb{Q}g6$ $\mathbb{Q}d5$ 2 $\mathbb{Q}f7!$ $\mathbb{Q}f5$ (2...
 $\mathbb{Q}xf4?$ 3 $\mathbb{Q}xf6=$) 3 $\mathbb{Q}gl!$ $\mathbb{Q}xf4$
4 $\mathbb{Q}f3!$ e5 (on 4... $\mathbb{Q}e4$ 5 $\mathbb{Q}d2+$
 $\mathbb{Q}d3$ 6 $\mathbb{Q}f1$ $\mathbb{Q}e2$ [6... f5 7 $\mathbb{Q}f6!$
 $\mathbb{Q}d4$ 8 $\mathbb{Q}g3$ $\mathbb{Q}d5$ 9 $\mathbb{Q}xf5$] 7 $\mathbb{Q}xf6!$
 $\mathbb{Q}xf1$ 8 $\mathbb{Q}e5$ draws. Also possible
is 4... $\mathbb{Q}g4$ 5 $\mathbb{Q}h2+$ $\mathbb{Q}h3$ 6 $\mathbb{Q}f1$
 $\mathbb{Q}g2$ [6... f5 7 $\mathbb{Q}f6$ any 8 $\mathbb{Q}e3=$]
7 $\mathbb{Q}xf6$ $\mathbb{Q}xf1$ 8 $\mathbb{Q}e5$ or 4... $\mathbb{Q}e2$ 5
 $\mathbb{Q}h4+$ $\mathbb{Q}g5$ 6 $\mathbb{Q}f3+$ or 4... $\mathbb{Q}g2$ 5
 $\mathbb{Q}d4+$ $\mathbb{Q}e5$ 6 $\mathbb{Q}xe6=$) 5 $\mathbb{Q}h4+$
 $\mathbb{Q}g5$ 6 $\mathbb{Q}f3+$ $\mathbb{Q}f5$ 7 $\mathbb{Q}h4+$ $\mathbb{Q}g4$ 8
 $\mathbb{Q}xf6$ e4 9 $\mathbb{Q}f5=$.

But see how easily Nimzowitsch converted the advantage of a passed rook pawn into victory against Emanuel Lasker. Even though material

is still equal, everything goes extremely smoothly.

Em. Lasker-Nimzowitsch
Zürich 1934



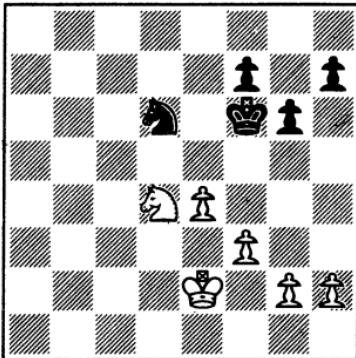
Black wins

1...b6! (*A subtlety. If at once 1...b5 2 ♜f4 ♜c6+ 3 ♜d3 ♜c5 4 ♜e6+ ♜d6 5 ♜f4 Black cannot improve the position of his king. Therefore with 1...b6 Black loses a move and forces White to play after the further 2 ♜f4 b5) 2 ♜f4 b5 3 ♜h3 (*If 3 ♜c3 then 3...♜g6! 4 ♜h3 ♜c5 wins*) 3...♜c6+ 4 ♜e3 ♜c5 5 ♜d3 b4 6 ab+ ♜xb4 7 ♜c2 ♜d4+ 8 ♜b1 (*Or 8 ♜d3 ♜e6 9 ♜c2 ♜c4 wins*) 8...♜e6 9 ♜a2 (*9 ♜c2 ♜c4 wins*) 9...♜c4 10 ♜a3 ♜d4 11 ♜xa4 ♜xe4 12 b4 ♜f3 13 b5 ♜g2 and White resigned.*

In *Basic Chess Endings* Fine analyses the position below of knight and four against knight and three on the same side and appears to demonstrate a forced win

(a) 1 g3 ♜e5 2 ♜c6+ ♜e6 3 ♜e3 f5 4 ♜d4+ (*Also possible is 4 e5*) 4...♜f6 (*If 4...♜e7*

R. Fine, 1941



White wins

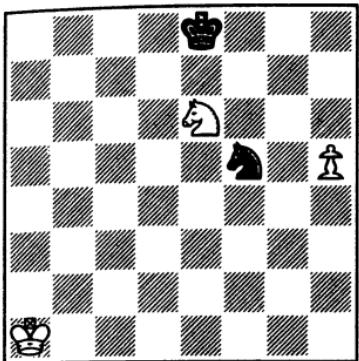
*then 5 e5! wins) 5 ef gf 6 ♜f4 ♜g6 (*Or 6...h6 7 h3! h5 8 h4 ♜g6 9 ♜e5 ♜f7+ 10 ♜e6 ♜d8+ 11 ♜e7 ♜b7. Now one must not play 12 f4 but 12 ♜e6! and then 13 ♜f4+) 7 ♜e5 ♜f7+ 8 ♜e6 ♜d8+ 9 ♜e7 ♜b7 10 f4 ♜c5 11 ♜f3 ♜e4 (*Or 11 ♜h5 12 ♜e5!*) 12 ♜e5+ ♜g7 13 ♜e6 wins.**

(b) 1 g3 ♜e5 2 ♜c6+ ♜e6 3 ♜e3 g5 4 ♜d4+ ♜f6 5 f4 gf+ 6 gf ♜c4+ 7 ♜f2! ♜g7 8 e5 ♜g6 9 ♜e2 ♜b2 10 ♜f3 ♜c4 11 ♜e4 ♜d2+ 12 ♜d5 ♜f1 13 f5+ ♜g5 14 e6 fe+ 15 ♜x e6 ♜xh2 16 f6 wins.

(c) 1 g3 ♜e5 2 ♜c6+ ♜e6 3 ♜e3 ♜d7 4 ♜d4 f6 5 f4 ♜e7 6 h4 ♜f7 7 g4 ♜d7 8 ♜d3 ♜e7 9 ♜c4 ♜d6 10 g5 fg 11 hg ♜e7 (*If 11...h6 then 12 e5+ ♜e7 13 gh ♜xh6 14 ♜d5 ♜g4 15 ♜c6+ ♜e8 16 ♜e6 ♜e3 17 ♜b4 ♜g2 18 ♜d5+ or 15... ♜d7 16 e6+ ♜e8 17 ♜d6 ♜f6 18 ♜b4 ♜e4+ 19 ♜e5 ♜f2 20 ♜d5 ♜g4+ 21 ♜d6 wins*) 12 ♜d5 ♜h8 13 e5 ♜f7 14 ♜c6+ ♜e8 15 e6 ♜h8 16 ♜e5 ♜f8 17 ♜f6 wins.

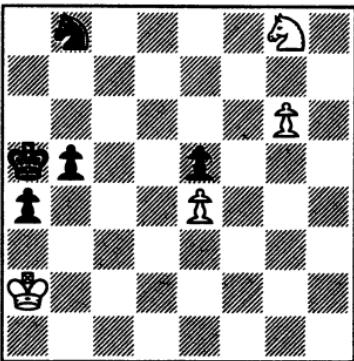
Test 41 *Time Allowed 70 minutes*

241 A. Chéron, 1952



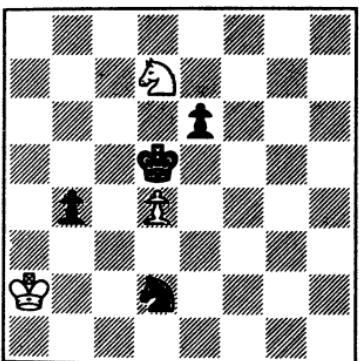
White wins

242 H. Rinck, 1942



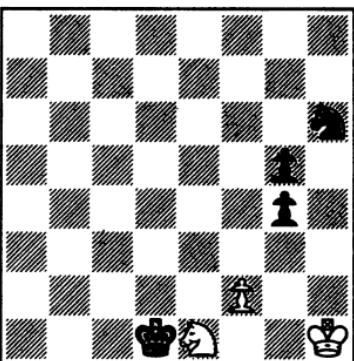
White wins

243 A. Selezniev, 1911



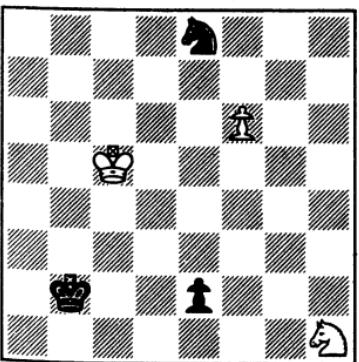
Draw

244 A. Gulyaev, 1932



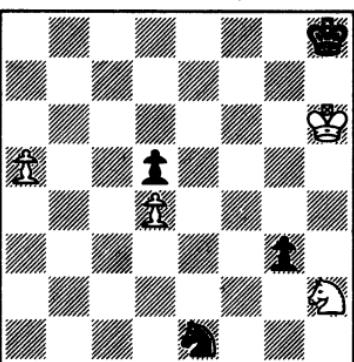
Draw

245 V. Bron, 1925



Draw

246 V. Platov, 1922



Draw

94 Test Your Endgame Ability

Solutions to Test 41

- 241 1 $\mathbb{Q}g7+!!$ $\mathbb{Q}\times g7$ 2 h6 $\mathbb{Q}f8$ 3 h7 wins. (5 MARKS)
- 242 1 $\mathbb{Q}e7$ $\mathbb{Q}d7$ 2 $\mathbb{Q}c6+$ $\mathbb{Q}b6$ 3 $\mathbb{Q}\times e5$ $\mathbb{Q}f6$ 4 $\mathbb{Q}d7+!$ $\mathbb{Q}\times d7$ 5 e5 wins. (5 MARKS)
- 243 1 $\mathbb{Q}f8$ $\mathbb{Q}\times d4$ 2 $\mathbb{Q}\times e6+$ $\mathbb{Q}c3$ 3 $\mathbb{Q}c5$ $\mathbb{Q}c2$ 4 $\mathbb{Q}b3=.$ (10 MARKS)
- 244 1 $\mathbb{Q}d3$ $\mathbb{Q}e2$ 2 $\mathbb{Q}e5$ $\mathbb{Q}f1$ 3 $\mathbb{Q}\times g4$ $\mathbb{Q}\times g4$ 4 f4! $\mathbb{Q}f2+$ 5 $\mathbb{Q}h2=.$ (10 MARKS)
- 245 1 f7 $\mathbb{Q}c7$ 2 $\mathbb{Q}f2$ $\mathbb{Q}c2$ 3 $\mathbb{Q}d3!$ $\mathbb{Q}\times d3$ 4 $\mathbb{Q}d6$ e1(\mathbb{Q}) 5 f8(\mathbb{Q}) $\mathbb{Q}b4+$ 6 $\mathbb{Q}e5=.$ (10 MARKS)
- 246 1 $\mathbb{Q}f3$ $\mathbb{Q}\times f3$ 2 a6 g2 3 a7 g1(\mathbb{Q}) 4 a8(\mathbb{Q})+ $\mathbb{Q}g8$ 5 $\mathbb{Q}e8=.$ (10 MARKS)

Total Marks Available **50**

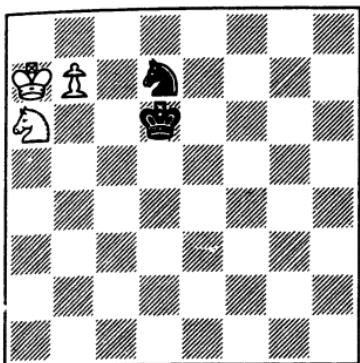
Your Score _____

Your Percentage _____

Your Rating _____

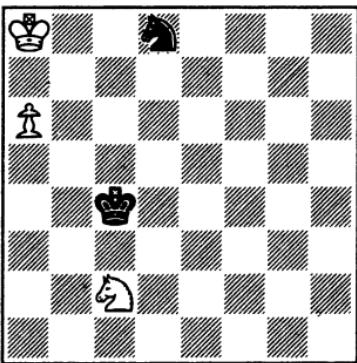
Test 42 Time Allowed 90 minutes

247 J. Kling, 1867



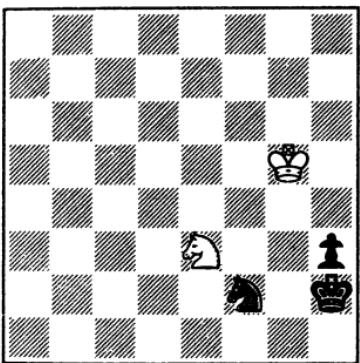
White wins

248 R. Reti, 1929



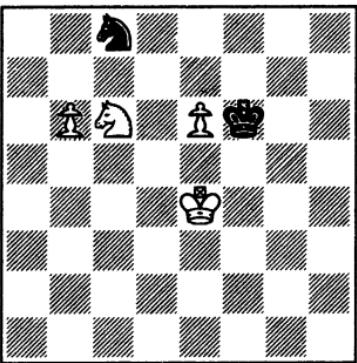
White wins

249 R. Reti, 1929



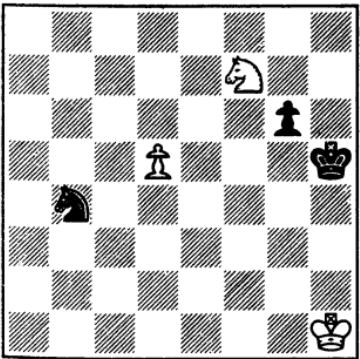
Draw

250 L. Prokes, 1938



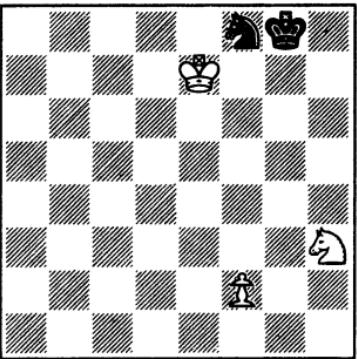
White wins

251 B. Kaminer, 1929



White wins

252 V. Halberstadt, 1951



White wins

Solutions to Test 42

- 247** 1 ♜b4 ♜c5 (1... ♜c7 2 ♜d5+ ♜d6 3 ♜b6 wins, or 1... ♜e7 2 ♜d5 ♜e6 3 ♜b6 ♜e5 4 ♜a8 ♜c6 5 ♜c4 ♜-any 6 ♜a5 wins) 2 ♜d3+ ♜d5 3 ♜f4+ ♜c6 4 ♜g6 ♜d5 (4... ♜c5 5 ♜f8 ♜e5 6 ♜a8 ♜c6 7 ♜e6+ ♜-any 8 ♜d8 wins) 5 ♜f8 ♜e5 6 ♜b6 ♜c6 7 ♜c7 ♜b4 8 ♜d7 ♜c6 9 ♜e5 ♜b4 10 ♜b6 wins. **(10 MARKS)**
- 248** 1 ♜b8 ♜c6+ (1... ♜b5 2 ♜b4! ♜x b4 3 ♜c7 ♜e6+ 4 ♜b6 wins, or 2... ♜c6+ 3 ♜c7 ♜a7 4 ♜b7 wins) 2 ♜b7! ♜c5 3 ♜d4! ♜a5+ 4 ♜c7 ♜c4 5 a7 ♜b6 6 ♜b7 wins. **(5 MARKS)**
- 249** 1 ♜h4 ♜g1 2 ♜g4 ♜g2 3 ♜e3+ ♜h2 4 ♜c2! ♜d3 5 ♜g4! (5 ♜e3 ♜f4 6 ♜g4 ♜g2 wins) 5... ♜e5+ 6 ♜h4 ♜f3+ 7 ♜g4 ♜g5 8 ♜e1! (8 ♜g5 ♜g1 9 ♜d4 ♜f2 wins) 8... ♜g1 9 ♜f3+ ♜g2 10 ♜h4+ ♜f2 11 ♜f3 =. **(10 MARKS)**
- 250** 1 b7! (1 e7 ♜f7 2 b7 ♜d6+ 3 ♜e5 ♜x b7 4 ♜d5 ♜a5=) 1... ♜d6+ 2 ♜d4 ♜x b7 3 ♜d5 ♜g7 4 ♜d8 wins. If 3... ♜c5 4 e7 ♜e6 (4... ♜a6 5 ♜d6 ♜f7 6 ♜d8+ ♜e8 7 ♜e6 ♜f7 8 ♜g7 ♜c7 9 ♜d7 wins) 5 ♜d6 ♜g7 6 ♜d7 ♜f5 (6... ♜f7 7 ♜d8 ♜-any 8 ♜e6 wins) 7 ♜d4+ ♜e5 8 ♜e6 ♜h5 9 ♜d8 ♜f6 10 ♜f8 ♜-any 11 ♜h7 wins. **(10 MARKS)**
- 251** 1 d6 ♜c6 2 d7 ♜h4 (2... g5 3 ♜h2 wins) 3 ♜h2 g5 (3... ♜h5 4 ♜g3 wins) 4 ♜g2 g4 5 ♜h2 g3+ 6 ♜g2 ♜h5 7 ♜g3 wins. **(10 MARKS)**
- 252** 1 ♜f4! ♜h7 2 ♜e6 ♜h8 3 f3 (3 f4? ♜g8 4 f5 ♜h8 5 ♜f7 ♜g5+ draws) 3... ♜g8 4 f4 ♜h8 5 ♜f7 wins. **(5 MARKS)**

Total Marks Available

50

Your Score

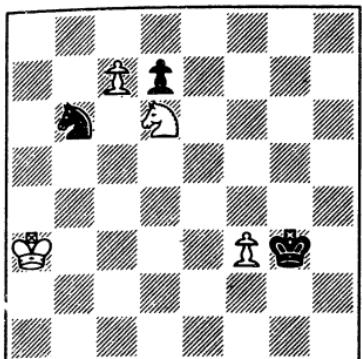
Your Percentage

Your Rating

Test 43

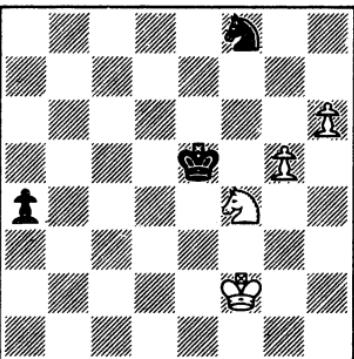
Time Allowed 90 minutes

253 V. Halberstadt, 1953



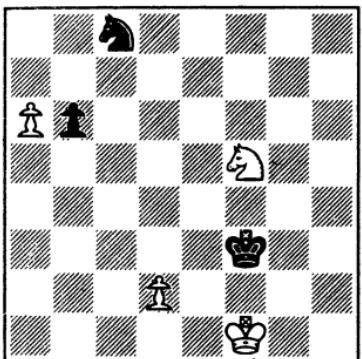
White wins

254 Papionlinne, 1929



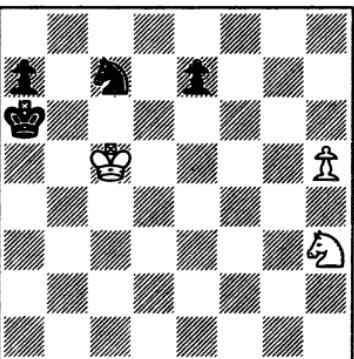
White wins

255 A. Troitsky, 1916



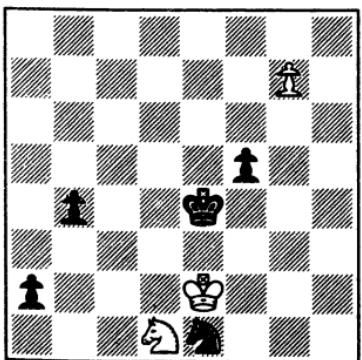
White wins

256 A. Troitsky, 1924



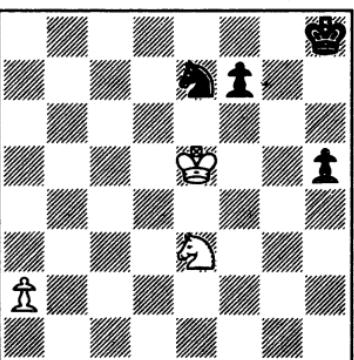
White wins

257 A. Troitsky, 1908



White wins

258 V. and M. Platov, 1923



White wins

Solutions to Test 43

- 253** 1 ♜b2! (1 ♜b3?? ♜xf3 2 ♜c2 ♜e2 =. If 2 ♜f2 ♜e3 =) 1... ♜xf3 2 ♜c1 ♜f4 (2... ♜e2 3 ♜c2! wins) 3... ♜g5 4 ♜d3 ♜f6 5 ♜d4 ♜e6 6 ♜c5 ♜a4+ 7 ♜b5 ♜c3+ 8 ♜a5 wins. **(10 MARKS)**
- 254** 1 g6 ♜f6 2 g7 ♜f7 3 ♜d5! ♜h7(d7) (3... ♜e6 4 ♜e7 ♜xg7 5 h7 wins) 4 ♜e7 ♜f6 5 g8(+) ♜xg8 6 h7 wins. **(10 MARKS)**
- 255** 1 d4 ♜f4 2 ♜e7 ♜a7 3 ♜c6! (3 d5 ♜e5 4 ♜c6+ ♜d5 5 ♜xa7 b5 6 ♜xb5 ♜c6 =) 3... ♜b5 4 d5 ♜f5 5 ♜d4+ wins. **(10 MARKS)**
- 256** 1 ♜g5 ♜e8 2 ♜e4 ♜g7 3 h6 ♜e6+ 4 ♜b4 ♜f8 5 ♜c5+ ♜b6 6 ♜d7+ wins. **(5 MARKS)**
- 257** 1 ♜f2+ ♜f4 2 ♜h3+ ♜e4 3 ♜g5+ ♜f4 4 ♜e6+ ♜e4 5 ♜c5+ ♜f4 6 ♜b3+ wins. **(5 MARKS)**
- 258** 1 ♜d6 ♜c8+ 2 ♜d7 ♜b6+ (2... ♜a7 3 a4 wins) 3 ♜c6 ♜c8 (3... ♜a4 4 ♜d1 h4 5 ♜b5 h3 6 ♜xa4 h2 7 ♜xh2 wins) 4 ♜f5 ♜h7 5 ♜b7 ♜g6 6 ♜h4+ ♜g5 7 ♜f3 ♜f4 8 ♜xc8 ♜xf3 9 a4 wins. **(10 MARKS)**

Total Marks Available

50

Your Score

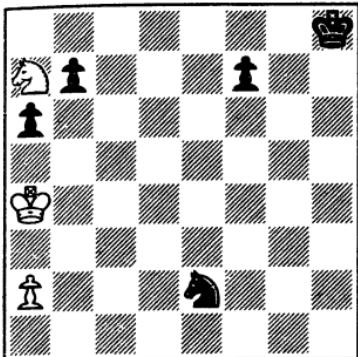
Your Percentage

Your Rating

Test 44

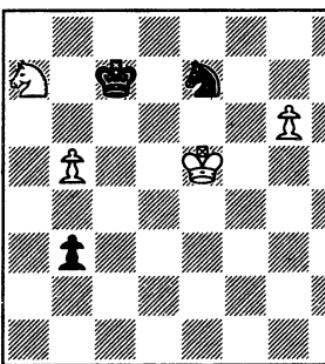
Time Allowed 100 minutes

259 M. Liburkin, 1949



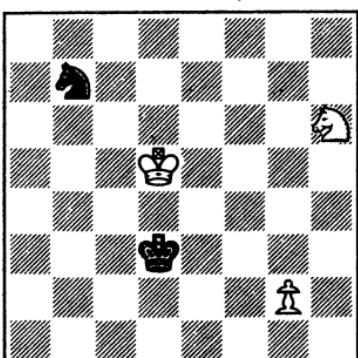
Draw

260 J. de Villeneuve
Esclapon, 1909



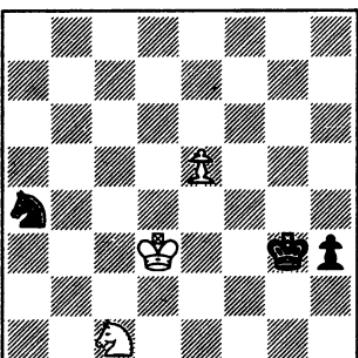
Draw

261 R. Voia and
V. Nestorescu, 1951



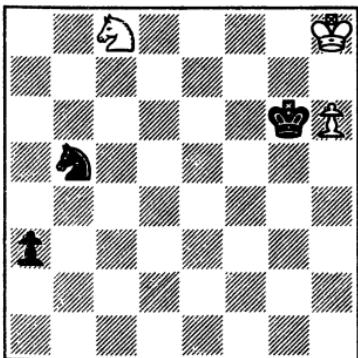
White wins

262 A. Selezniev, 1919



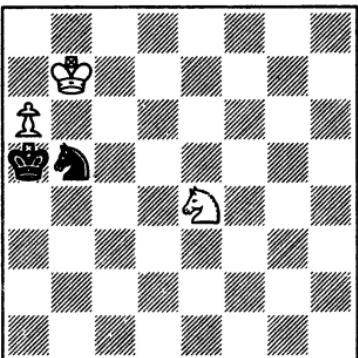
Draw

263 V. Kivi, 1936



Draw

264 R. Reti, 1929



White wins

Solutions to Test 44

- 259** 1 $\mathbb{Q}c8$ f5 2 $\mathbb{Q}e7$ f4 3 $\mathbb{Q}g6+$ $\mathbb{Q}g7$ 4 $\mathbb{Q}\times f4$ $\mathbb{Q}\times f4$ 5 $\mathbb{Q}a5$ $\mathbb{Q}d5$ 6 a4 =. **(10 MARKS)**
- 260** 1 b6+ $\mathbb{Q}\times b6$ 2 $\mathbb{Q}c8+$ $\mathbb{Q}\times c8$ 3 $\mathbb{Q}e6$ b2 4 g7 b1(\mathbb{Q}) 5 g8(\mathbb{Q}) $\mathbb{Q}b3+$ 6 $\mathbb{Q}d7$ =. **(10 MARKS)**
- 261** 1 g4 $\mathbb{Q}e3$ 2 g5 $\mathbb{Q}f4$ 3 g6 $\mathbb{Q}d6$ 4 $\mathbb{Q}\times d6$ $\mathbb{Q}g5$ 5 g7 $\mathbb{Q}f6$ 6 $\mathbb{Q}f5$ wins. **(5 MARKS)**
- 262** 1 e6 $\mathbb{Q}c5+$ 2 $\mathbb{Q}e2$ $\mathbb{Q}\times e6$ 3 $\mathbb{Q}f1$ h2 4 $\mathbb{Q}e2+$ $\mathbb{Q}f3(h3)$ 5 $\mathbb{Q}g1$ wins. **(5 MARKS)**
- 263** 1 h7 $\mathbb{Q}f7(1\dots a2$ 2 $\mathbb{Q}g8$ a1(\mathbb{Q}) 3 $\mathbb{Q}e7$ wins) 2 $\mathbb{Q}d6+$ $\mathbb{Q}f8$ 3 $\mathbb{Q}\times b5$ a2 4 $\mathbb{Q}d4$ a1(\mathbb{Q}) 5 $\mathbb{Q}e6+$ $\mathbb{Q}f7$ 6 $\mathbb{Q}d8+$ $\mathbb{Q}g6$ 7 $\mathbb{Q}g8$ a8 8 h8(\mathbb{Q})+ =. **(10 MARKS)**
- 264** 1 $\mathbb{Q}c5$ $\mathbb{Q}b4$ 2 $\mathbb{Q}b6$ $\mathbb{Q}d6$ 3 $\mathbb{Q}e4$ $\mathbb{Q}c8+$ 4 $\mathbb{Q}c7$ (4 $\mathbb{Q}b7$ $\mathbb{Q}b5$ =) 4 ... $\mathbb{Q}b5$ 5 $\mathbb{Q}b7$ a5 6 $\mathbb{Q}c5$ $\mathbb{Q}d6+$ 7 $\mathbb{Q}c7$ $\mathbb{Q}b5+$ 8 $\mathbb{Q}c6$ $\mathbb{Q}a7+$ 9 $\mathbb{Q}b7$ $\mathbb{Q}b5$ 10 $\mathbb{Q}e4!!$ $\mathbb{Q}b4$ 11 $\mathbb{Q}b6$ $\mathbb{Q}c4$ 12 $\mathbb{Q}c3!$ $\mathbb{Q}d6$ 13 $\mathbb{Q}c7$ $\mathbb{Q}c5$ 14 a7 wins. **(10 MARKS)**

Total Marks Available **50**

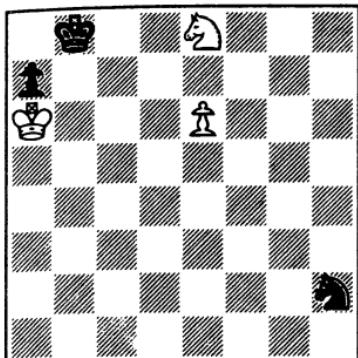
Your Score _____

Your Percentage _____

Your Rating _____

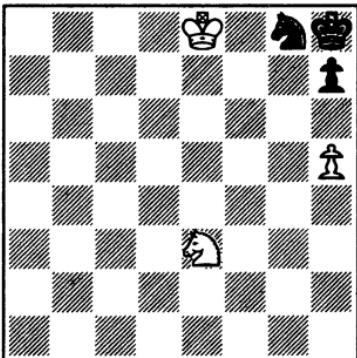
Test 45*Time Allowed 150 minutes*

265 V. Halberstadt, 1949



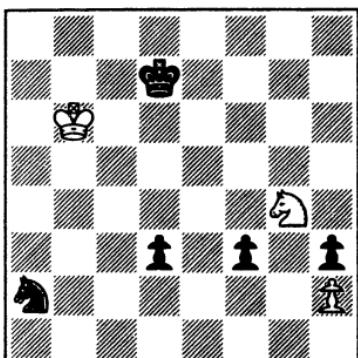
White wins

266 V. Bron, 1941



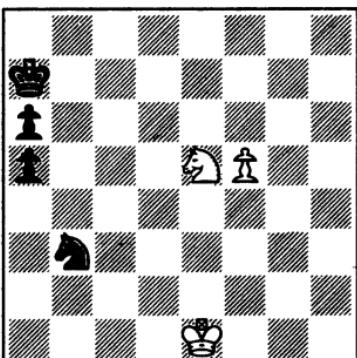
White wins

267 V. Chekhover, 1952



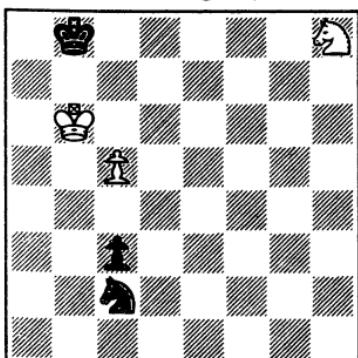
Draw

268 S. Zhigis, 1938



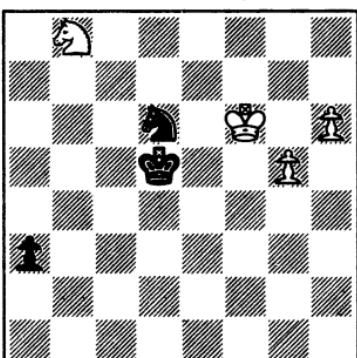
White wins

269 T. Gorgiev, 1936



Draw

270 H. Rinck, 1921



Draw

Solutions to Test 45

- 265** 1 e7 (1 $\mathbb{Q}f6?$ $\mathbb{Q}g4 =) 1 \dots \mathbb{Q}g4 2 \mathbb{Q}b5! (2 \mathbb{Q}a5? \mathbb{Q}e5!) 2 \dots a5 3 \mathbb{Q}a4 \mathbb{Q}a7 4 \mathbb{Q}a3(b3) \mathbb{Q}b8 (4 \dots \mathbb{Q}b6 5 \mathbb{Q}c7 wins) 5 \mathbb{Q}b3 \mathbb{Q}a7 6 \mathbb{Q}a4 \mathbb{Q}b8 7 \mathbb{Q}b5 \mathbb{Q}a7 8 \mathbb{Q}d6! \mathbb{Q}f6 9 \mathbb{Q}x a5 \mathbb{Q}b8 10 \mathbb{Q}e4 \mathbb{Q}e8 11 \mathbb{Q}b6 \mathbb{Q}c7 12 \mathbb{Q}c6 \mathbb{Q}e8 13 \mathbb{Q}d7 \mathbb{Q}c7 14 \mathbb{Q}d6 wins.$
- (20 MARKS)
- 266** 1 $\mathbb{Q}f7 \mathbb{Q}h6+$ 2 $\mathbb{Q}f8 \mathbb{Q}g4$ h6 (3 \dots $\mathbb{Q}h6$ 4 $\mathbb{Q}e5$ wins) 4 $\mathbb{Q}f7 \mathbb{Q}h75 \mathbb{Q}e5 \mathbb{Q}h8$ 6 $\mathbb{Q}c4!! \mathbb{Q}h77 \mathbb{Q}d6 \mathbb{Q}h88 \mathbb{Q}e8 \mathbb{Q}h79 \mathbb{Q}e6 \mathbb{Q}h8$ 10 $\mathbb{Q}d6 \mathbb{Q}h711 \mathbb{Q}d7 \mathbb{Q}h8$ 12 $\mathbb{Q}e6 \mathbb{Q}h713 \mathbb{Q}f7 \mathbb{Q}h8$ 14 $\mathbb{Q}c7 \mathbb{Q}h715 \mathbb{Q}e6 \mathbb{Q}h8$ 16 $\mathbb{Q}f8$ wins.
- (20 MARKS)
- 267** 1 $\mathbb{Q}c5$ (1 $\mathbb{Q}e5+$ $\mathbb{Q}e6$ 2 $\mathbb{Q}xd3 \mathbb{Q}d5$ 3 $\mathbb{Q}f2 \mathbb{Q}d4$ 4 $\mathbb{Q}xh3 \mathbb{Q}e3$ wins, or 2 $\mathbb{Q}xf3 \mathbb{Q}d5$, or 1 $\mathbb{Q}f2 \mathbb{Q}d6$ wins) 1 \dots d2 2 $\mathbb{Q}f2 \mathbb{Q}c3$ 3 $\mathbb{Q}d4$ d1(\mathbb{Q}) 4 $\mathbb{Q}xd1$ $\mathbb{Q}xd1$ 5 $\mathbb{Q}d3 \mathbb{Q}e6$ 6 $\mathbb{Q}d2$ f2 (6 \dots $\mathbb{Q}e5$ 7 $\mathbb{Q}xd1 \mathbb{Q}e4$ 8 $\mathbb{Q}d2 \mathbb{Q}d4$ 9 $\mathbb{Q}el \mathbb{Q}e3$ 10 $\mathbb{Q}f1 =) 7 \mathbb{Q}e2 \mathbb{Q}e5$ 8 $\mathbb{Q}f1 \mathbb{Q}e4$ 9 $\mathbb{Q}e2 \mathbb{Q}f4$ 10 $\mathbb{Q}f1 =.$
- (15 MARKS)
- 268** 1 f6 $\mathbb{Q}c5$ 2 f7 $\mathbb{Q}e6$ 3 $\mathbb{Q}d7!$ a4 4 $\mathbb{Q}d2$ a5 5 $\mathbb{Q}c3$ a3 6 $\mathbb{Q}c2$ (6 $\mathbb{Q}b3 \mathbb{Q}b7!=) 6 \dots \mathbb{Q}a87 \mathbb{Q}b1 \mathbb{Q}a78 \mathbb{Q}a2 \mathbb{Q}a89 \mathbb{Q}xa3 \mathbb{Q}a710 \mathbb{Q}b2$ a4 11 $\mathbb{Q}a3 \mathbb{Q}a8$ 12 $\mathbb{Q}b4 \mathbb{Q}a713 \mathbb{Q}c4$ a3 14 $\mathbb{Q}c3!$ $\mathbb{Q}a8$ 15 $\mathbb{Q}c2 \mathbb{Q}a716 \mathbb{Q}b1 \mathbb{Q}a8$ 17 $\mathbb{Q}a2 \mathbb{Q}a7$ 18 $\mathbb{Q}xa3 \mathbb{Q}a8$ 19 $\mathbb{Q}b4$ wins.
- (20 MARKS)
- 269** 1 $\mathbb{Q}g6$ (1 c6 $\mathbb{Q}e3$ 2 c7 $\mathbb{Q}c8$ 3 $\mathbb{Q}g6 \mathbb{Q}d5+$ 4 $\mathbb{Q}c6$ c2 wins) 1 \dots $\mathbb{Q}b4$ 2 $\mathbb{Q}f4 \mathbb{Q}d5+3 \mathbb{Q}xd5$ c2 4 c6 c1(\mathbb{Q}) 5 c7+ $\mathbb{Q}a8$ 6 c8(\mathbb{Q})+! (6 $\mathbb{Q}e7 \mathbb{Q}e3+$ 7 $\mathbb{Q}c6 \mathbb{Q}e6+8 \mathbb{Q}b5 \mathbb{Q}d7+9 \mathbb{Q}b6 \mathbb{Q}d6+10 \mathbb{Q}c6 \mathbb{Q}e6$ wins) 6 \dots $\mathbb{Q}xc8$ 7 $\mathbb{Q}c7+$ $\mathbb{Q}b8$ 8 $\mathbb{Q}a6+$ draws.
- (15 MARKS)
- 270** 1 $\mathbb{Q}a6$ (1 $\mathbb{Q}c6?$ $\mathbb{Q}xc6$ 2 h7 a2 3 h8(\mathbb{Q}) a1(\mathbb{Q})+! wins) 1 \dots $\mathbb{Q}c4$ 2 $\mathbb{Q}b4!$ $\mathbb{Q}xb4$ 3 h7 (3 $\mathbb{Q}g6?$ a2 4 h7 a1(\mathbb{Q}) 5 $\mathbb{Q}h6 \mathbb{Q}c5$ g6 $\mathbb{Q}e8$ 7 g7 $\mathbb{Q}xg7+8 \mathbb{Q}g6$ h8! 9 $\mathbb{Q}f7 \mathbb{Q}f6$ wins) 3 \dots a2 4 h8(\mathbb{Q}) (4 $\mathbb{Q}g6?$ a1(\mathbb{Q})+! wins) 4 \dots a1(\mathbb{Q})+ 5 $\mathbb{Q}g6 \mathbb{Q}xh8$ stalemate.
- (20 MARKS)

Total Marks Available

110

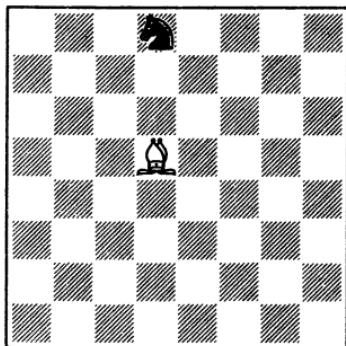
Your Score

Your Percentage

Your Rating

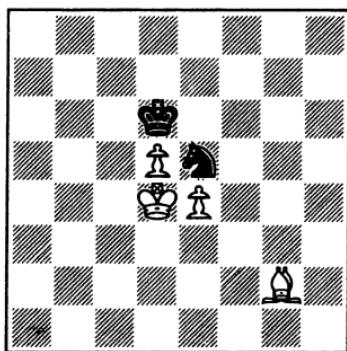
BISHOP v KNIGHT ENDINGS

This is a very common material balance both in practical play and in studies. Indeed bishop v knight endings probably occur in practice with a frequency second only to rook endings. The main peculiarity of this type of endgame is the different moves of the two pieces. As a result, both in practical endings and in studies, the main theme is the domination of one piece by the other. For instance, in the diagram below we see how a bishop can totally paralyse a knight.



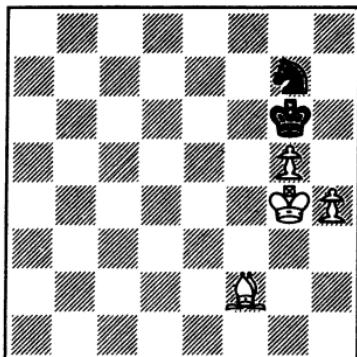
As a rule an extra pawn will be decisive in a minor piece ending. Of course, there are exceptions such as in the diagram below.

Here, despite two extra



pawns, White can achieve precisely nothing since the king and knight easily maintain a total blockade. With seven squares at its disposal (not eight since the knight at c6 would be *en prise*) the knight can always find a square not attacked by either the white king or bishop. Of course, White's mistake lay in getting the pawns *fixed on squares of the same colour as the bishop*. In principle one should place the pawns on the squares of the *opposite colour to the bishop* until their advance can be assured.

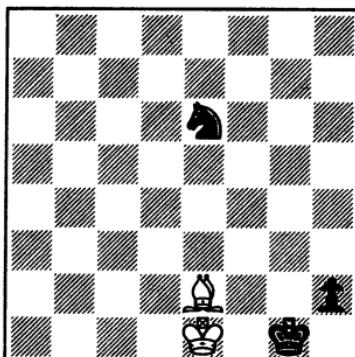
However, if we move this structure to the side of the board, the blockade can't be maintained since the knight runs out of squares.



After 1 $\mathbb{A}d4$ $\mathbb{B}h5$ 2 $\mathbb{A}e5$ Black is already in Zugzwang.

In this section we shall examine crucial examples of bishop v knight and rook pawn. The study below should enable the reader to master such positions.

M. Herbaus, 1926

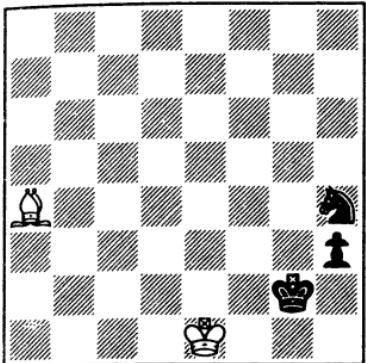


White to play and draw.

Solution: 1 $\mathbb{A}f3$ $\mathbb{B}f4$ (threatens 2 ... $\mathbb{B}g2+$) 2 $\mathbb{A}h1!$ $\mathbb{B}\times h1$ (Or 2 ... $\mathbb{B}g2+$ 3 $\mathbb{K}e2$ $\mathbb{B}\times h1$ 4 $\mathbb{B}f1! =) 3 \mathbb{B}f2!$ (3 $\mathbb{B}f1?$ loses after 3 ... $\mathbb{A}d3$ or 3 ... $\mathbb{A}h3$) 3 ... $\mathbb{B}h3+$ 4 $\mathbb{B}f1$ and draws.

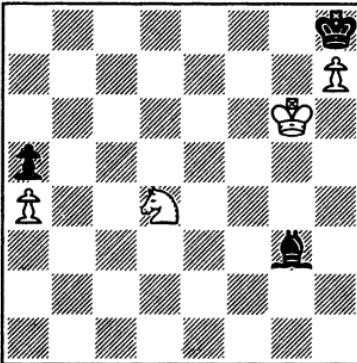
Test 46 Time Allowed 90 minutes

271 S. Loyd, 1860

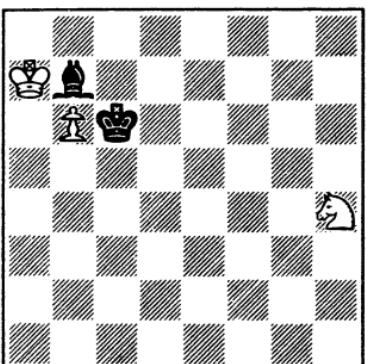


Draw

272 O. Hey, 1913

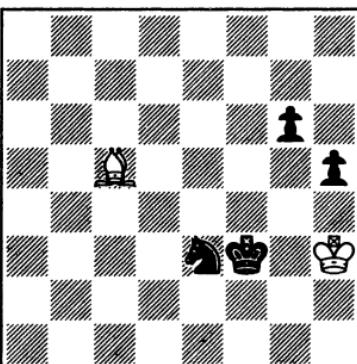
White to move – draw
Black to move – draw

273 V. Košek, 1923



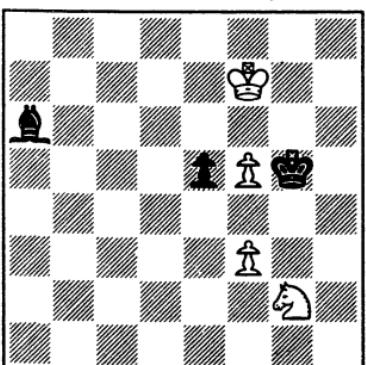
White wins

274 A. Chéron, 1955



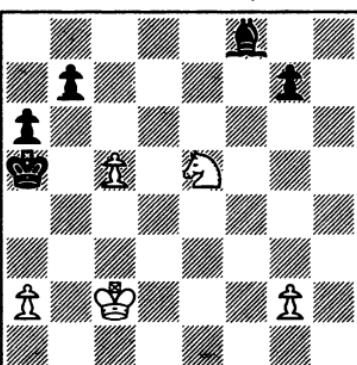
Draw

275 A. Selezniev, 1920



White wins

276 L. Kubbel, 1925



White wins

Solutions to Test 46

271 1 ♜d7 h2 2 ♜c6+ ♕g1 3 ♜h1! ♔g2+ 4 ♔e2 ♕×h1 5 ♔f1!=.
(10 MARKS)

272 (a) With White to move: 1 ♔e6 ♜h4!=.
(5 MARKS)

(b) With Black to move: 1... ♜d6! 2 ♜c6 ♜c7=. If 2 ♔e6 ♜e7=
= or 2 ♜f3 ♜f4 = or 2 ♜f5 ♜f4 =.
(5 MARKS)

273 1 ♜f5 ♜a8 2 ♜d4+ ♜c5 3 ♜e6+ ♜c6 4 ♜c7 ♜b7 5 ♜d5 wins.
(10 MARKS)

274 1 ♜e7!!=.
(5 MARKS)

275 1 ♕e6 ♜c8+ 2 ♕×e5 ♜×f5 3 f4+ and wins.
(10 MARKS)

276 1 c6! bc 2 ♜b3 ♜b5 3 a4+ wins.
(5 MARKS)

Total Marks Available **50**

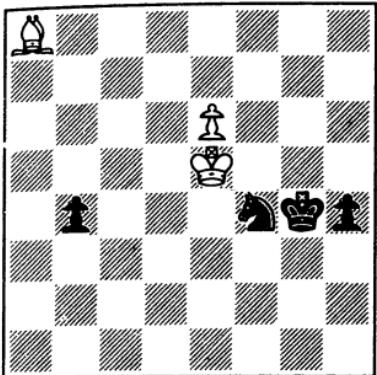
Your Score _____

Your Percentage _____

Your Rating _____

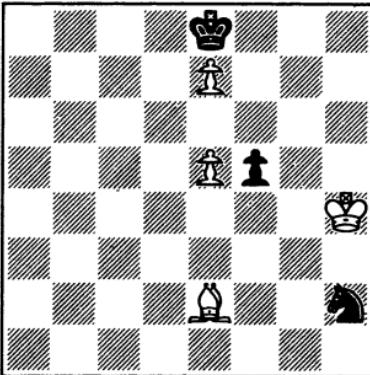
Test 47*Time Allowed 90 minutes*

277 A. Selezniev, 1917



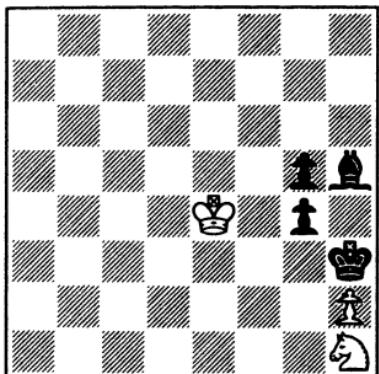
Draw

278 A. Selezniev, 1920



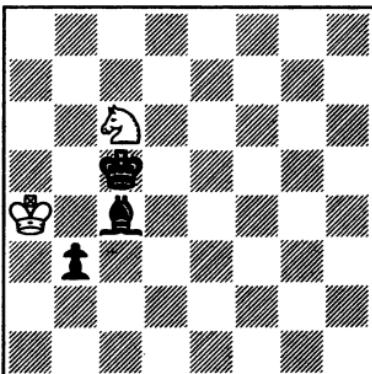
White wins

279 L. Kubbel, 1925



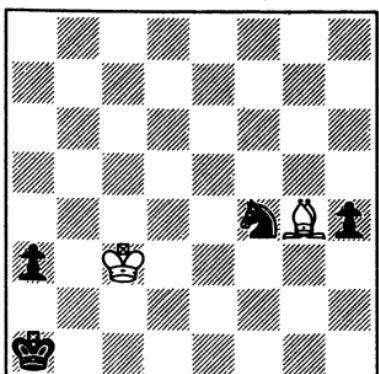
Draw

280 A. Prokes, 1946



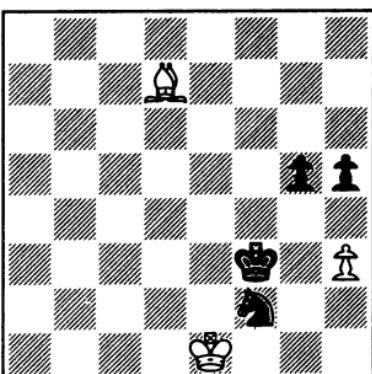
Draw

281 E. del Rio, 1750



Draw

282 J. Keeble, 1911



Draw

Solutions to Test 47

- 277 1 ♜e4! ♜×e6 2 ♜f5+ ♜f3 3 ♜×e6 ♜e3 4 ♜d6 =
(See diagram 196). (5 MARKS)
- 278 1 ♜g5 ♜g4 2 ♜×f5 ♜×e5 3 ♜e6 wins. (5 MARKS)
- 279 1 ♜e3! ♜×h2 2 ♜f2 ♜×h1 3 ♜g3 =. (5 MARKS)
- 280 1 ♜a5 b2 2 ♜b3+ ♜×b3 3 ♜a3 =. (5 MARKS)
- 281 1 ♜b3 a2 2 ♜c2 h3 3 ♜f3 h2 4 ♜a8 ♜e2 5 ♜b7 ♜g3 6 ♜c1 h1(+) 7 ♜×h1 ♜×h1 8 ♜c2 =.
 (15 MARKS)
- 282 1 h4 gh (1... g4 2 ♜e8 g3 3 ♜×h5+ ♜g2 4 ♜e2 =) 2 ♜e8 h3
 3 ♜×h5+ ♜g2 4 ♜e2 h2 5 ♜f3+ ♜g1 6 ♜b7 ♜g4 7 ♜e1 =.
 (15 MARKS)

Total Marks Available **50**

Your Score _____

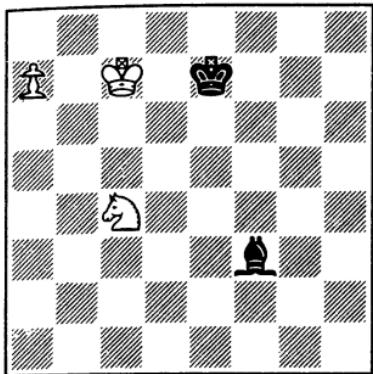
Your Percentage _____

Your Rating _____

Test 48

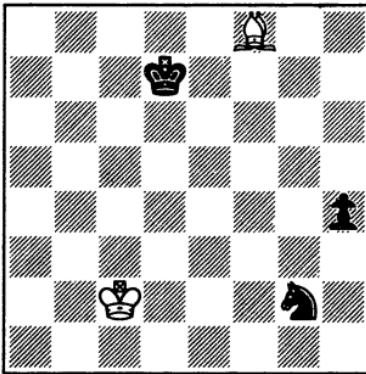
Time Allowed 90 minutes

283 V. Chekhover, 1950



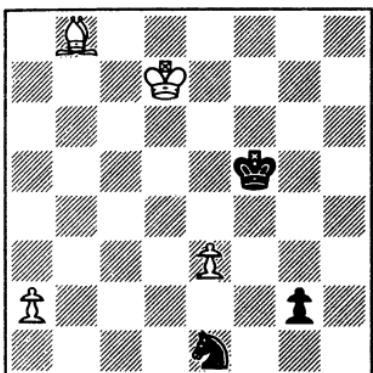
White wins

284 A. Gulyaev, 1952



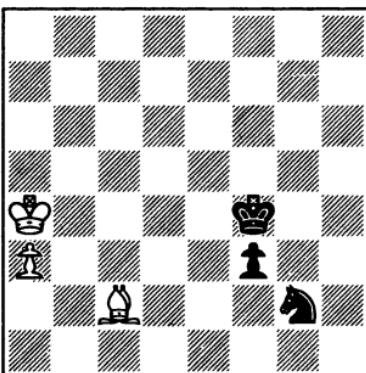
Draw

285 A. Selezniev, 1940



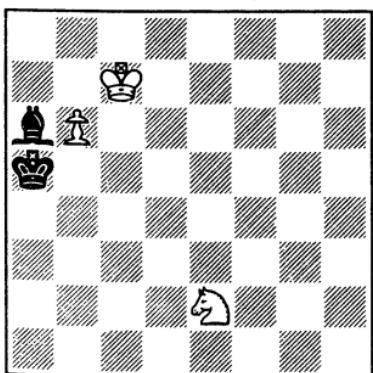
Draw

286 V. Tyavlovsky, 1958



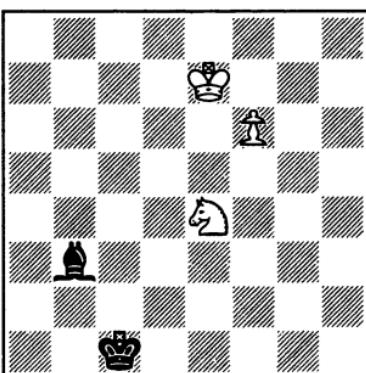
Draw

287 V. Košek, 1904



White wins

288 V. Košek, 1921-23



White wins

Solutions to Test 48

- 283** 1 ♜a5 ♜a8 2 ♜c8! ♜e8 (2... ♜e6 3 ♜b8 ♜d6 4 ♜c4+ wins, or 2... ♜d6 3 ♜b8 ♜d7 4 ♜b7 wins) 3 ♜c4 ♜e74 ♜b8 ♜d8 5 ♜d6 ♜d7 6 ♜b7 ♜c6 7 ♜xa8 ♜c7 8 ♜d6 wins. **(10 MARKS)**
- 284** 1 ♜c5 h3 2 ♜g1 ♜e1+ 3 ♜d1! (3 ♜d2? ♜f3+ 4 ♜e3 ♜xg1 5 ♜f2 ♜e2! wins) 3... ♜f3 4 ♜h2! ♜xh2 5 ♜e2 ♜g4 6 ♜f3 h2 (6... ♜e6 7 ♜g3 =) 7 ♜g2 =. **(10 MARKS)**
- 285** 1 e4+ ♜xe4 2 ♜a7 ♜f3 3 ♜f2 ♜g5 4 ♜g1 ♜h3 5 ♜h2 ♜g5 6 ♜g1 =. **(5 MARKS)**
- 286** 1 ♜d1 (1 ♜d3? ♜e3 2 ♜f1 ♜f4 3 ♜b4 ♜f2 4 a4 ♜xf1 5 a5 ♜d5+ 6 ♜c5 ♜c7 7 ♜b6 ♜b5! wins) 1... f2 2 ♜e2 ♜e3 3 ♜f1 ♜f4 4 ♜b4! ♜d2 5 a4 ♜e1 6 a5 ♜xf1 7 a6 ♜d5+ 8 ♜c5 ♜c7 9 a7 ♜e2(g2) 10 ♜c6 =. **(10 MARKS)**
- 287** 1 ♜d4 ♜a4 (1... ♜c8 2 ♜c6+ ♜a6 3 ♜d8!! ♜a5 4 ♜b7+ ♜a6 5 ♜d6 wins) 2 ♜b8 ♜b4 3 ♜a8! ♜a4 4 ♜c6 ♜c8 5 ♜a7 ♜b5 6 ♜e7 ♜a6 7 ♜f5 ♜a5 8 ♜d6 wins. **(5 MARKS)**
- 288** 1 ♜g5 ♜g8 2 ♜f7 ♜d2 (2... ♜h7 3 ♜h6 ♜g6 4 ♜f5 ♜d2 5 ♜h4 ♜h5 6 ♜g2 ♜g6 7 ♜f4 wins) 3 ♜f8 ♜h7 4 ♜g5 ♜g6 (4... ♜c2 5 ♜e6 ♜g6 6 ♜f4 ♜c2 7 ♜e7 wins) 5 ♜g7 ♜e8 6 ♜e4+ ♜e3 7 ♜d6 ♜h5 8 ♜h6 wins. **(10 MARKS)**

Total Marks Available

50

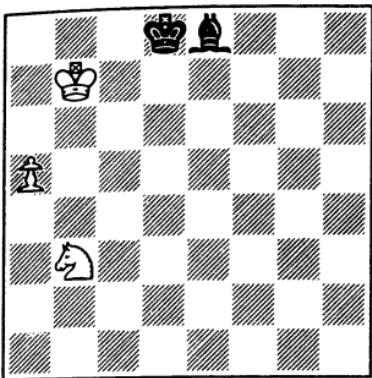
Your Score _____

Your Percentage _____

Your Rating _____

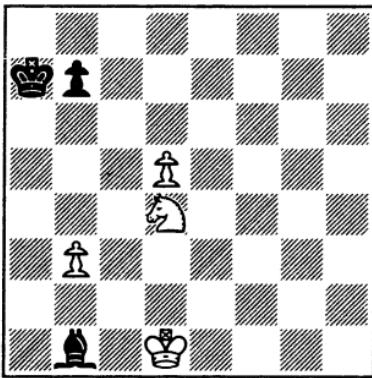
Test 49*Time Allowed 90 minutes*

289 A. Kuznetsov, 1955



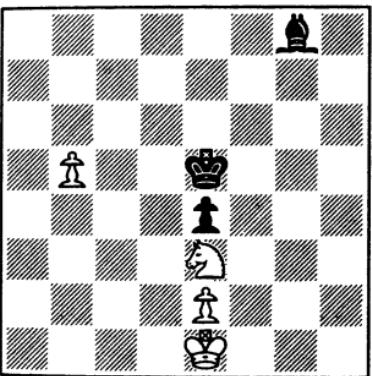
White wins

290 L. Kubbel, 1909



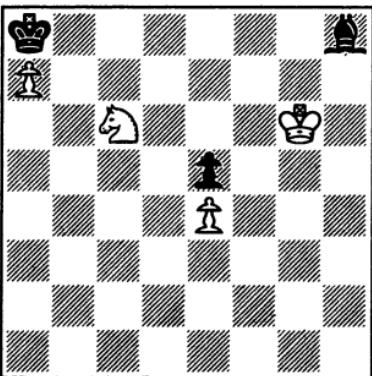
White wins

291 A. Troitsky, 1914



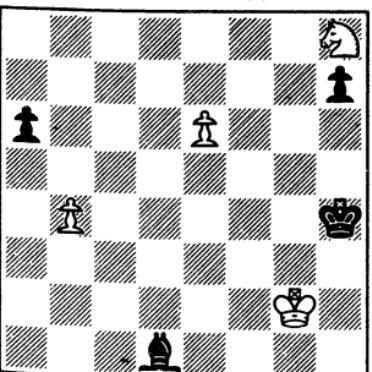
White wins

292 M. Liburkin, 1947



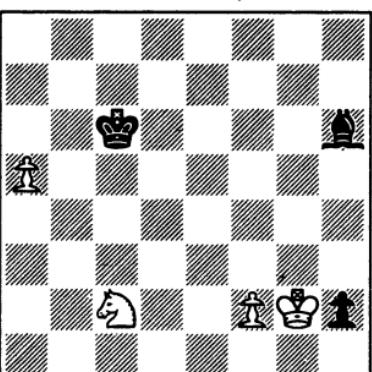
White wins

293 A. Troitsky, 1941



White wins

294 R. Reti, 1922



White wins

Solutions to Test 49

- 289** 1 a6 ♜h5 (1... ♜f7 2 ♜a5 wins, or 1... ♜g6 2 ♜c5 wins) 2 ♜d4!
♝d7 3 ♜b8 ♜f7(g6) 4 ♜c6! ♜d5 5 ♜a5 wins. (5 MARKS)
- 290** 1 d6 ♜b8(b6) 2 ♜c1 ♜d3(e4) 3 d7 ♜c7 4 ♜e6+ ♜xd7 5 ♜c5 wins
(2... ♜g6(h7) 3 d7 ♜c7 4 ♜e6+ ♜xd7 5 ♜f8+ wins).
(10 MARKS)
- 291** 1 b6 ♜d6 2 ♜f5+ ♜d7 3 ♜e7 ♜a2 (3... ♜h7 4 e3 wins, or 3...
♜f7(e6) 4 b7 ♜c7 5 ♜c6 ♜b7 6 ♜d8+ wins, or 3... ♜c4(b3) 4 b7
♜c7 5 ♜c6 ♜xb7 6 ♜a5+) 4 ♜d2! ♜b1 5 ♜c1 ♜a2 6 ♜b2
wins. (10 MARKS)
- 292** 1 ♜f7 ♜b7 2 a8(♛) ♜xa8 3 ♜g6 ♜b7 4 ♜d8+ ♜c7 5 ♜f7 wins.
(5 MARKS)
- 293** 1 b5! ab 2 ♜g6+ ♜g4 3 e7 ♜f3+ 4 ♜f2 ♜c6 5 ♜e5+ wins.
(5 MARKS)
- 294** 1 ♜d4+ ♜c5 (1... ♜b7 2 ♜xh2 ♜a6 3 ♜b3 ♜f4+ 4 ♜h3 ♜b5
5 ♜g4 ♜b8 6 f4 wins) 2 ♜h1! wins. (10 MARKS)

Total Marks Available **45**

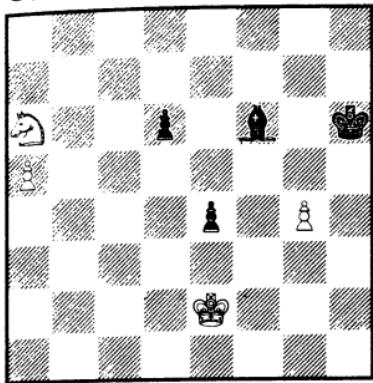
Your Score _____

Your Percentage _____

Your Rating _____

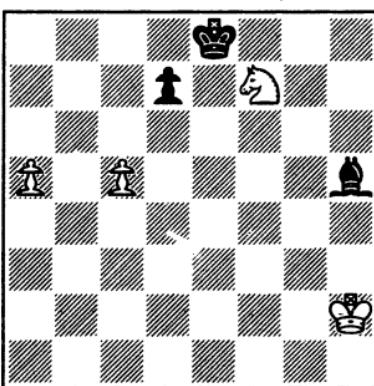
Test 50*Time Allowed 90 minutes*

295 V. and M. Platov, 1908
Correction by B. Gosling, 1991



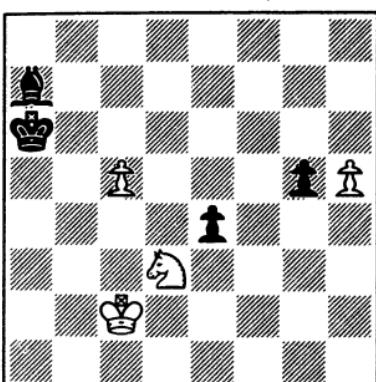
White wins

296 H. Mattison, 1914



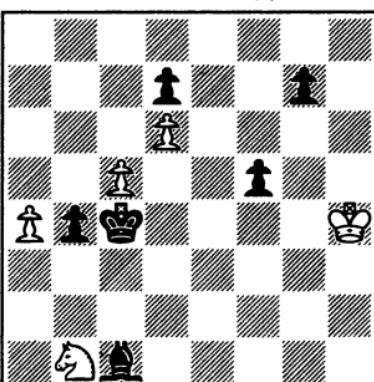
White wins

297 L. Zalkind, 1916



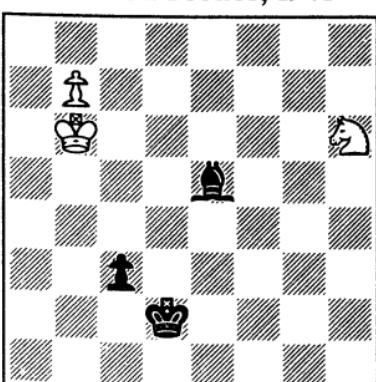
White wins

298 A. Troitsky, 1911



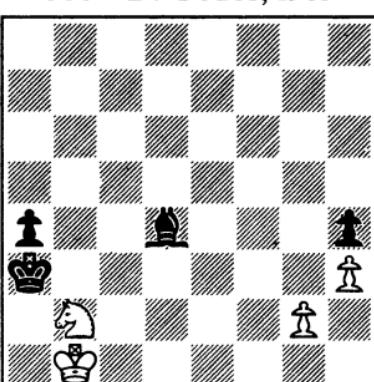
White wins

299 A. Prokes, 1941



Draw

300 D. Godes, 1963



Draw

Solutions to Test 50

- 295** 1 g5+ ♜xg5 (1... ♜xg5 2 ♜c7 ♜f6 3 ♜e6 d5 4 a6 wins)
2 ♜c5! ♜d4(d8) 3 ♜e6+ wins. **(5 MARKS)**
- 296** 1 c6 dc 2 a6 ♜f3 3 ♜g5 ♜d5 4 ♜e6 c5 (4... ♜d7 5 ♜c5+ wins)
5 ♜c7+ ♜d7 6 ♜xg5 ♜c8 (6... ♜c6 7 ♜g3) 7 ♜b6+ ♜b8
8 ♜d7+ ♜a7 9 ♜c5 wins. **(10 MARKS)**
- 297** 1 h6 ♜b8 2 ♜b4+ ♜b7 (2... ♜b5 3 c6 ♜b6 4 c7! wins) 3 c6+ ♜c8
4 c7 ♜xc7 5 ♜c6 wins. **(5 MARKS)**
- 298** 1 c6 dc 2 d7 ♜b2 3 ♜d2+ ♜c5 4 ♜b3+ ♜c4 5 ♜a5+ ♜c5 6 ♜b7+
爵c4 7 ♜d6+ ♜c5 8 ♜e8 wins. **(10 MARKS)**
- 299** 1 ♜f5 ♜d3 (1... c2 2 b8(爵) ♜xg8 3 ♜d4 =) 2 ♜e7 ♜c4 (2... c2
3 ♜c6 ♜d6 4 b8(爵) =) 3 ♜c6 ♜h2 4 ♜a5+ ♜b4 5 ♜c6+ ♜a3
6 ♜d4! =. **(10 MARKS)**
- 300** 1 ♜d3! (1 ♜c4+ ♜b4 2 ♜d2 ♜e3 3 ♜f3 ♜b3 wins) 1... ♜b3
2 ♜c1+ ♜c4 3 ♜e2 ♜e3 (3... ♜e5 4 ♜a2 ♜d3 5 ♜g1 =) 4 ♜b2!
爵d3 5 g3 ♜xe2 6 gh ♜c5 7 ♜c3 =. **(10 MARKS)**

Total Marks Available

50

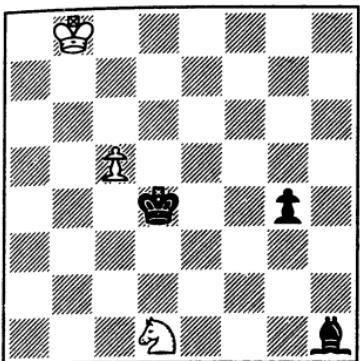
Your Score

Your Percentage

Your Rating

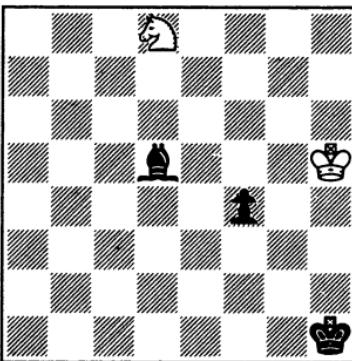
Test 51*Time Allowed 90 minutes*

301 P. Farago, 1958



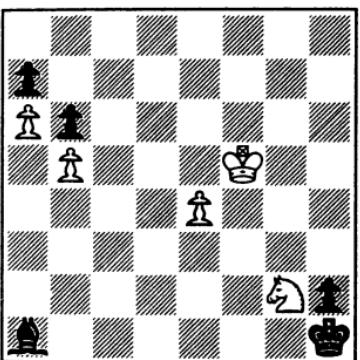
Draw

302 Y. Brenev, 1934



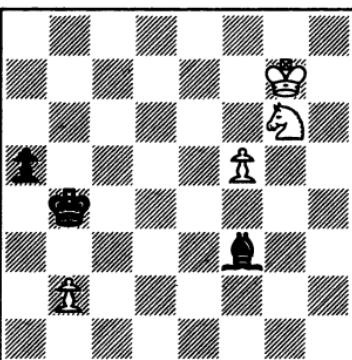
Draw

303 F. Bondarenko and M. Liburkin, 1952



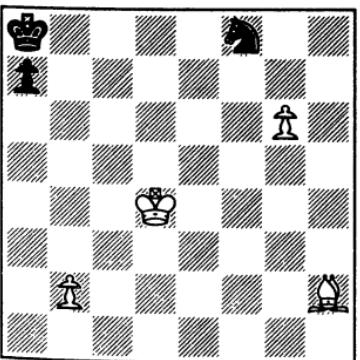
White wins

304 G. Fedotov, 1954



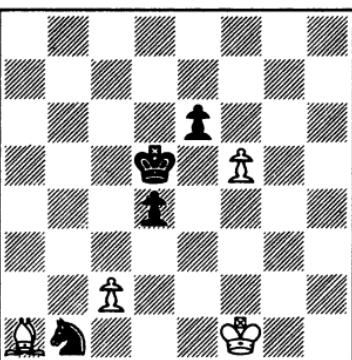
White wins

305 A. Troitsky, 1924



White wins

306 A. Troitsky, 1924



White wins

Solutions to Test 51

- 301** 1 $\mathbb{Q}f2$ g3 2 $\mathbb{Q}\times h1$ g2 3 $\mathbb{Q}g3!$ $\mathbb{Q}d3$ 4 $\mathbb{Q}e2!$ $\mathbb{Q}\times e2$ 5 c6 =. (5 MARKS)
- 302** 1 $\mathbb{Q}g4$ f3 2 $\mathbb{Q}g3$ $\mathbb{Q}g1$ 3 $\mathbb{Q}e6$ f2 4 $\mathbb{Q}f4$ f1(\mathbb{W}) (4... $\mathbb{Q}e6$ 5 $\mathbb{Q}e2+$ $\mathbb{Q}f1$ 6 $\mathbb{Q}f4$ $\mathbb{Q}f5$ 7 $\mathbb{Q}f3$ =) 5 $\mathbb{Q}h3+$ $\mathbb{Q}h1$ 6 $\mathbb{Q}f2+$ wins. (10 MARKS)
- 303** 1 $\mathbb{Q}h4$ $\mathbb{Q}g1$ 2 $\mathbb{Q}f3+$ $\mathbb{Q}g2$ 3 $\mathbb{Q}\times h2$ $\mathbb{Q}\times h4$ e5 $\mathbb{Q}\times e5$ (4... $\mathbb{Q}c3$ (b2)
5 e6 $\mathbb{Q}b4$ (a3) 6 $\mathbb{Q}e5$ $\mathbb{Q}g3$ 7 $\mathbb{Q}d5$ $\mathbb{Q}f4$ 8 $\mathbb{Q}c6$ $\mathbb{Q}e5$ 9 $\mathbb{Q}b7$ $\mathbb{Q}d6$ 10
 $e7!$ wins) 5 $\mathbb{Q}e6$ $\mathbb{Q}g2$ 6 $\mathbb{Q}d7$ $\mathbb{Q}f3$ 7 $\mathbb{Q}c8$ wins. 1 $\mathbb{Q}e1?$ is a mistake
because of 1... $\mathbb{Q}c3$. (10 MARKS)
- 304** 1 $\mathbb{Q}f4$ $\mathbb{Q}d1$ 2 $\mathbb{Q}d5+$ $\mathbb{Q}b3$ 3 f6 $\mathbb{Q}h5$ 4 $\mathbb{Q}f4$ $\mathbb{Q}\times b2$ (4... $\mathbb{Q}e8$ 5 $\mathbb{Q}f8$
 $\mathbb{Q}b5$ 6 $\mathbb{Q}e7$ wins) 5 $\mathbb{Q}\times h5$ a4 6 $\mathbb{Q}f4!$ a3 7 $\mathbb{Q}d3+$ $\mathbb{Q}c3$ 8 $\mathbb{Q}b4!$
wins. (10 MARKS)
- 305** 1 g7 $\mathbb{Q}e6+$ 2 $\mathbb{Q}e5$ $\mathbb{Q}\times g7$ 3 $\mathbb{Q}f6$ $\mathbb{Q}e8+$ 4 $\mathbb{Q}f7$ a5 5 $\mathbb{Q}\times e8$ a4 6 $\mathbb{Q}d6$
wins. (5 MARKS)
- 306** 1 f6 $\mathbb{Q}d6$ 2 $\mathbb{Q}\times d4$ $\mathbb{Q}d2+$ (2... e5 3 $\mathbb{Q}c5+$ $\mathbb{Q}e6$ 4 $\mathbb{Q}b4$ wins) 3 $\mathbb{Q}e2$
 $\mathbb{Q}e4$ 4 $\mathbb{Q}e5+$ $\mathbb{Q}d7$ 5 f7 $\mathbb{Q}e7$ 6 $\mathbb{Q}e3$ wins. (10 MARKS)

Total Marks Available 50

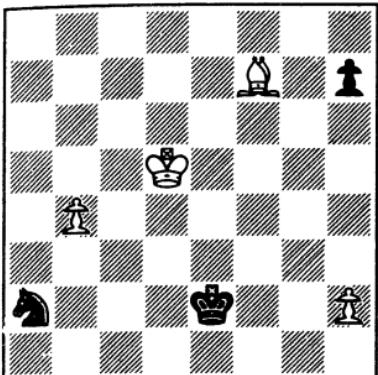
Your Score _____

Your Percentage _____

Your Rating _____

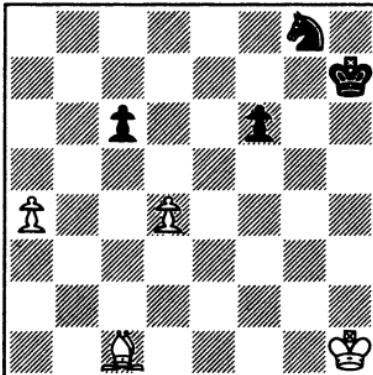
Test 52 *Time Allowed 90 minutes*

307 A. Herbstmann, 1964



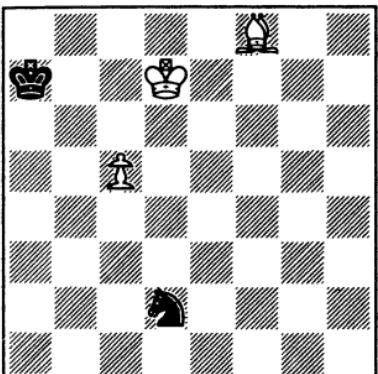
White wins

308 A. Troitsky, 1924



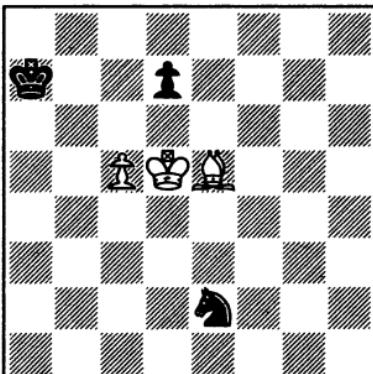
White wins

309 A. Gulyaev, 1962



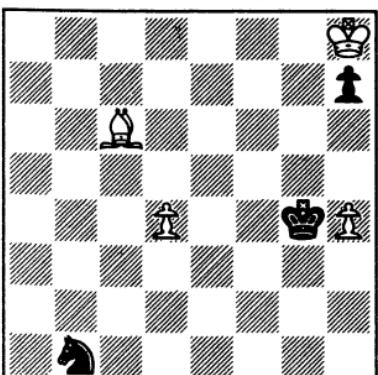
White wins

310 L. Kubbel, 1928



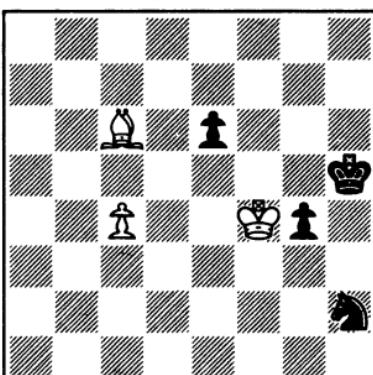
White wins

311 M. Platov, 1925



White wins

312 V. Tyavlovsky, 1962



White wins

Solutions to Test 52

- 307** 1 b5 $\mathbb{Q}c3+2 \mathbb{Q}e5!$ $\mathbb{Q}\times b5$ 3 $\mathbb{Q}c4+$ $\mathbb{Q}f2$ 4 $\mathbb{Q}\times b5$ $\mathbb{Q}g2$ 5 h4 $\mathbb{Q}g3$ 6 h5 $\mathbb{Q}g4$ 7 $\mathbb{Q}e2+$ (7 $\mathbb{Q}e8$ $\mathbb{Q}g5$ 8 $\mathbb{Q}e6$ $\mathbb{Q}h6$)=) 7... $\mathbb{Q}g5$ 8 $\mathbb{Q}e6$ $\mathbb{Q}h6$ 9 $\mathbb{Q}f7$ wins. **(10 MARKS)**
- 308** 1 $\mathbb{Q}a3$ (1 d5? cd 2 $\mathbb{Q}a3$ d4 3 $\mathbb{Q}g2$ f5 4 a5 $\mathbb{Q}f6$ 5 a6 $\mathbb{Q}d5$)=) 1... f5 2 d5 cd 3 a5 $\mathbb{Q}f6$ 4 a6 $\mathbb{Q}e8$ (4... $\mathbb{Q}d7$ 5 $\mathbb{Q}c5$ wins) 5 $\mathbb{Q}d6$ wins. **(10 MARKS)**
- 309** 1 c6 $\mathbb{Q}c4$ 2 $\mathbb{Q}c5+$ $\mathbb{Q}a8$ 3 $\mathbb{Q}d4$ $\mathbb{Q}a5$ 4 c7 $\mathbb{Q}c6$ 5 c8(?)! wins. **(5 MARKS)**
- 310** 1 $\mathbb{Q}d6$ $\mathbb{Q}c1$ 2 $\mathbb{Q}d4!$ $\mathbb{Q}a8$ 3 $\mathbb{Q}\times d7$ $\mathbb{Q}b3$ 4 c6 $\mathbb{Q}a5$ 5 c7 wins. **(5 MARKS)**
- 311** 1 d5! (1 h5 $\mathbb{Q}\times h5$ 2 d5 $\mathbb{Q}g6$ 3 $\mathbb{Q}g8$ $\mathbb{Q}f5$! 4 $\mathbb{Q}f8$ $\mathbb{Q}c3$ 5 d6 $\mathbb{Q}e4!$ 6 d7 $\mathbb{Q}c5$, or 4 $\mathbb{Q}f7$ $\mathbb{Q}d2$)=) 1... $\mathbb{Q}d2$ 2 h5 (2 d6 $\mathbb{Q}c4$ 3 d7 $\mathbb{Q}e5$)=) 2... $\mathbb{Q}\times h5$ (2... $\mathbb{Q}g5$ 3 d6 wins; 2... $\mathbb{Q}e4$ 3 h6 wins) 3 d6 $\mathbb{Q}c4$ 4 $\mathbb{Q}e8+$ $\mathbb{Q}h6$ 5 d7 $\mathbb{Q}e5$ 6 d8(?)! wins. **(10 MARKS)**
- 312** 1 c5 $\mathbb{Q}f1$ 2 $\mathbb{Q}d5!$ e5+ 2 $\mathbb{Q}\times e5$ $\mathbb{Q}e3$ 4 c6 g3 5 c7 $\mathbb{Q}c4+$ 6 $\mathbb{Q}\times c4$ g2 7 c8(?)! wins (7 c8(?)? g1(?) 8 $\mathbb{Q}h8+$ $\mathbb{Q}g4$ 9 $\mathbb{Q}g7+$ $\mathbb{Q}f3$ 10 $\mathbb{Q}\times g1$ stalemate). **(10 MARKS)**

Total Marks Available

50

Your Score

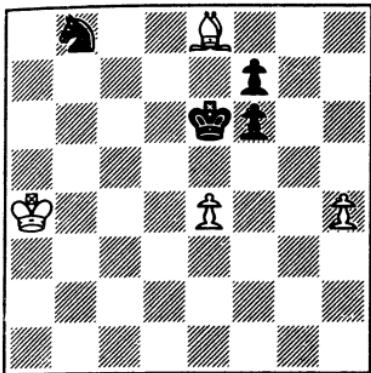
Your Percentage

Your Rating

Test 53

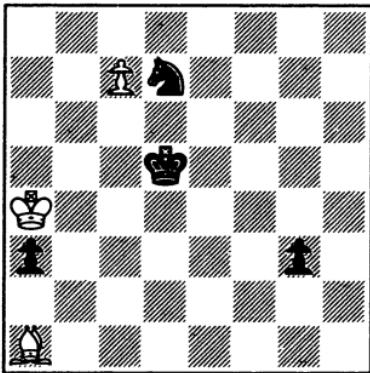
Time Allowed 90 minutes

313 A. Kuznetsov, 1955



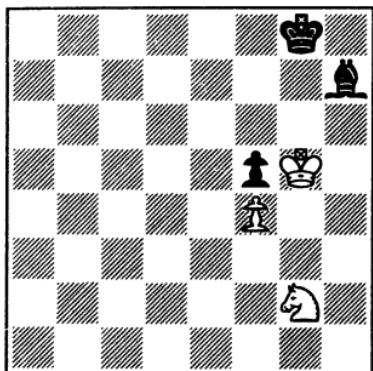
White wins

314 A. Selezniev, 1917



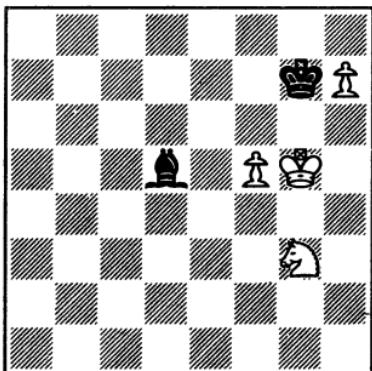
White wins

315 A. Troitsky, 1924



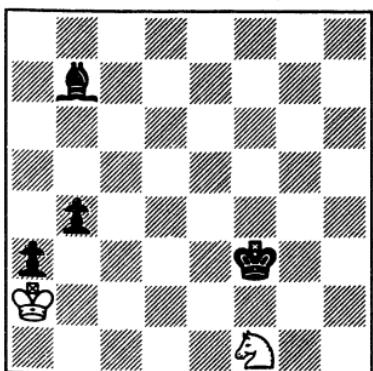
White wins

316 A. Gurevich, 1929



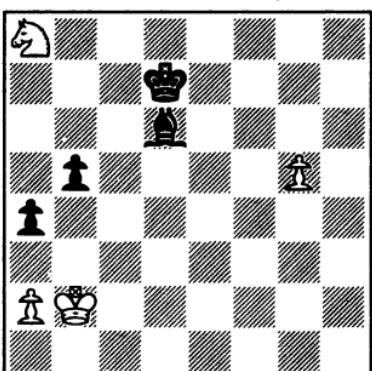
White wins

317 A. Selezniev, 1919



Draw

318 A. Selezniev, 1940



Draw

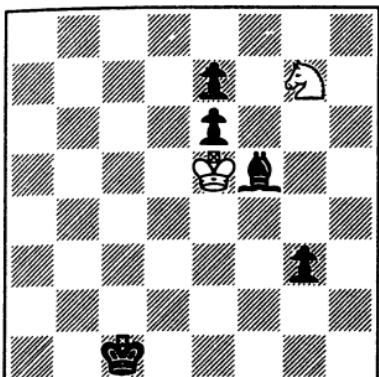
Solutions to Test 53

- 313** 1 h5 f5 (1... ♜e7 2 h6 ♜f8 3 ♜b5 wins) 2 h6 ♜f6 3 ef (3 e5+ ♜g6 4 e6 ♜xh6 5 e7 ♜a6 6 ♜c6 ♜c7=) 3... ♜a6 4 ♜b5! ♜c7 5 ♜c5 ♜xe8 (5... ♜a6+ 6 ♜c4 ♜c7 7 ♜c6 ♜a6 8 ♜b5 ♜c7 9 ♜b6 ♜e6 10 fe fe 11 ♜e8 wins) 6 ♜c6 wins. **(10 MARKS)**
- 314** 1 ♜b5 ♜b6 2 ♜x b6 g2 3 ♜d4 g1(+) 4 ♜xg1 a2 5 ♜d4! ♜x d4 6 c8(+) wins. **(5 MARKS)**
- 315** 1 ♜h6 ♜h8 2 ♜h4 ♜g8 3 ♜f3 ♜h8 4 ♜e5 ♜g8 5 ♜c6 ♜h8 6 ♜e7 ♜g8 7 ♜g6 mate. **(10 MARKS)**
- 316** 1 ♜h5+ ♜h8 ♜h6 ♜e4 (2... ♜f7 3 ♜f4 ♜e8 4 f6 ♜f7 5 ♜d3 ♜g6 6 ♜e5 ♜-any 7 f7 wins) 3 f6 ♜xh7 4 f7 ♜g8 5 f8(+)! ♜-any 6 ♜f6 ♜-any 7 ♜g7 mate. **(10 MARKS)**
- 317** 1 ♜d2+ ♜e2 2 ♜b1 ♜d5+ 3 ♜a1 a2 (3... ♜d1 4 ♜x a3 ♜c1 5 ♜c4 =) 4 ♜c3+=. **(5 MARKS)**
- 318** 1 ♜b6+ ♜c6 2 ♜xa4 (2 ♜c8 ♜f8 3 ♜a7+ ♜b6 4 ♜xb5 ♜xb5 5 g6 ♜b4 wins, or 3 g6 ♜b7 4 ♜c3 b4+ 5 ♜c4 b3 6 ab a3 wins) 2... ba 3 g6 ♜b5 4 g7 ♜e5+ 5 ♜a3 =. **(10 MARKS)**

Total Marks Available	50
Your Score	_____
Your Percentage	_____
Your Rating	_____

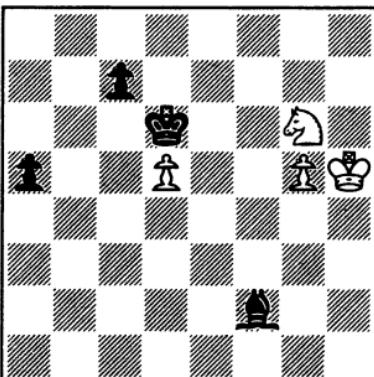
Test 54*Time Allowed 90 minutes*

319 A. Selezniev, 1921



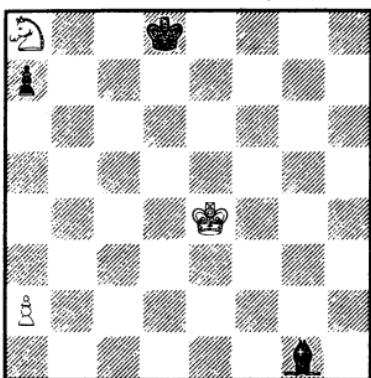
Draw

320 A. Selezniev, 1917



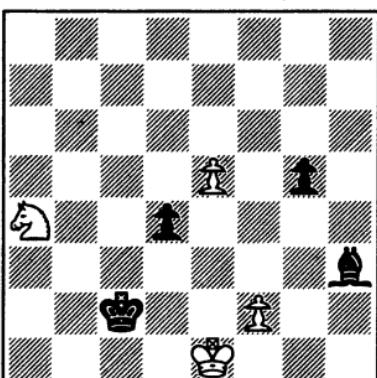
Draw

321 H. Mattison, 1930



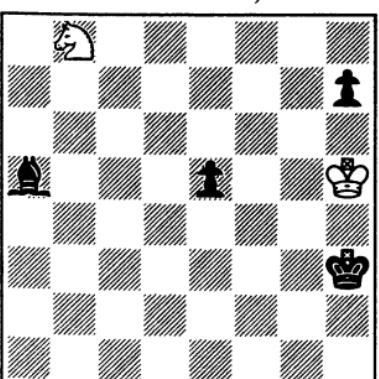
Draw

322 I. Khvalchev, 1957



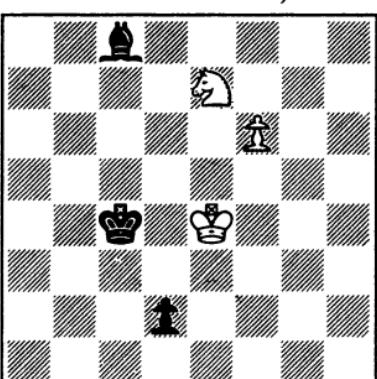
Draw

323 H. Rinck, 1902



Draw

324 A. Selezniev, 1910



Draw

Solutions to Test 54

- 319** 1 $\mathbb{Q}h5$ g2 2 $\mathbb{Q}f4$ g1(\mathbb{Q}) 3 $\mathbb{Q}e2+$ $\mathbb{Q}d2$ 4 $\mathbb{Q}\times g1$ $\mathbb{Q}e3$ 5 $\mathbb{Q}h3$ =. **(5 MARKS)**
- 320** 1 $\mathbb{Q}e5!$ $\mathbb{Q}\times e5$ 2 g6 $\mathbb{Q}f6$ 3 d6! (3 $\mathbb{Q}h6$ $\mathbb{Q}d4$ 4 g7 $\mathbb{Q}f7$ 5 $\mathbb{Q}h7$ $\mathbb{Q}\times g7$ 6 d6 c6 7 d7 $\mathbb{Q}e7$ wins) 3 . . . cd 4 $\mathbb{Q}h6$ $\mathbb{Q}d4$ 5 g7 $\mathbb{Q}f7$ 6 $\mathbb{Q}h7$ =. **(10 MARKS)**
- 321** 1 $\mathbb{Q}d5$ $\mathbb{Q}d7$ 2 a4 a5 3 $\mathbb{Q}c4$ $\mathbb{Q}c6$ 4 $\mathbb{Q}c7!$ $\mathbb{Q}\times c7$ 5 $\mathbb{Q}b5$ $\mathbb{Q}b6$ 6 $\mathbb{Q}a6$ =. **(5 MARKS)**
- 322** 1 $\mathbb{Q}c5$ $\mathbb{Q}f5$ (1 . . . $\mathbb{Q}g2$ 2 $\mathbb{Q}e6$ d3 3 $\mathbb{Q}d4+$ $\mathbb{Q}c3$ 4 $\mathbb{Q}b5+$ =) 2 f4! g4 3 e6 d3 4 $\mathbb{Q}\times d3$ $\mathbb{Q}\times d3$ 5 e7 $\mathbb{Q}d7$ 6 $\mathbb{Q}f2$ $\mathbb{Q}e4$ 7 $\mathbb{Q}g3$ $\mathbb{Q}f5$ 8 $\mathbb{Q}h4$ =. **(15 MARKS)**
- 323** 1 $\mathbb{Q}d7$ e4 2 $\mathbb{Q}f6$ e3 3 $\mathbb{Q}d5$ $\mathbb{Q}b6$ 4 $\mathbb{Q}\times e3$ =. **(5 MARKS)**
- 324** 1 $\mathbb{Q}d5$ $\mathbb{Q}b7$ 2 f7 $\mathbb{Q}\times d5+$ 3 $\mathbb{Q}e3$ d1(\mathbb{Q}) 4 f8(\mathbb{Q}) $\mathbb{Q}e1+$ 5 $\mathbb{Q}f4$ $\mathbb{Q}f1+$ 6 $\mathbb{Q}e5$ =. **(10 MARKS)**

Total Marks Available

50

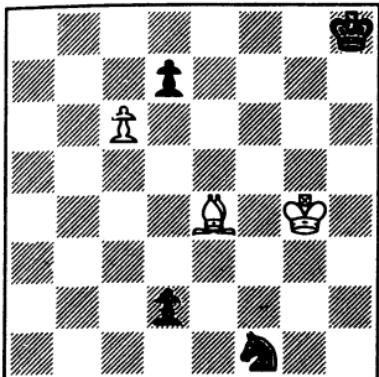
Your Score

Your Percentage

Your Rating

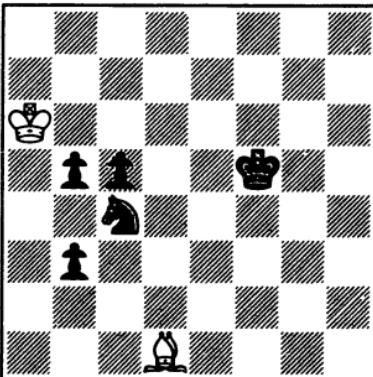
Test 55 Time Allowed 100 minutes

325 A. Slezniev, 1927



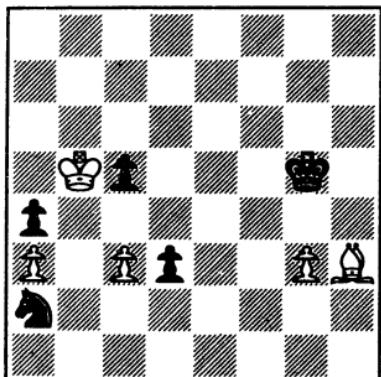
Draw

326 A. Prokes, 1942



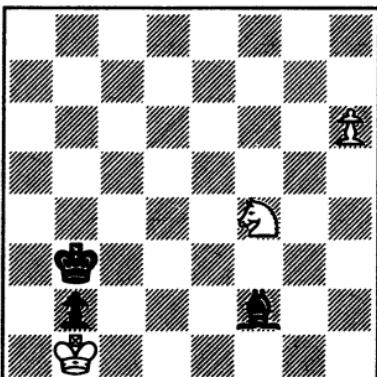
Draw

327 A. Troitsky, 1923



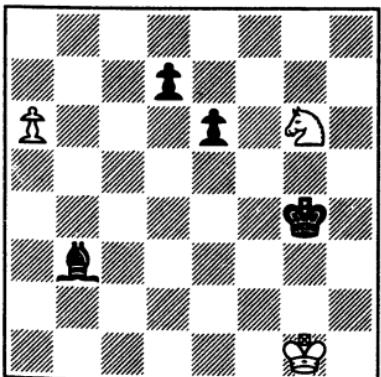
Draw

328 L. Kubbel, 1908



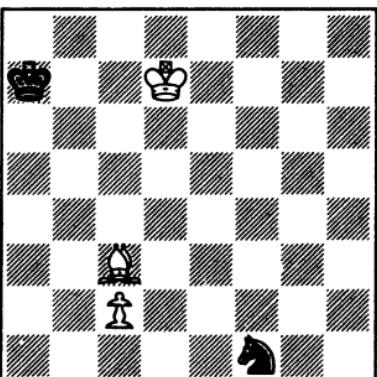
White wins

329 L. Kubbel, 1910



White wins

330 H. Blandford, 1949



White wins

Solutions to Test 55

- 325 1 ♜f3! ♜h2+ (1... dc 2 ♜e2 c5 3 ♜f3 c4 4 ♜f2 c3 5 ♜d1 =) 2 ♜h5! ♜x f3 3 c7 d1(+) 4 c8(+) + ♜g7(h7) 5 ♜x d7+! =. (5 MARKS)
- 326 1 ♜x b5 ♜a3+ 2 ♜a4 b2 3 ♜x a3 b1(+) 4 ♜c2+! =. (5 MARKS)
- 327 1 ♜g2 ♜g4 (1... ♜x c3+ 2 ♜c4 d2 3 ♜f3 ♜e4 4 ♜d3 ♜d6 5 ♜x d2 ♜c4+ 6 ♜c3 =, or 1... d2 2 ♜f3 ♜c3+ 3 ♜x c5 d1(+) 4 ♜x d1 ♜x d1 5 ♜b4 ♜b2 6 ♜c3 =) 2 ♜f1 ♜x c3+ (2... d2 3 ♜e2+ ♜x g3 4 ♜c4 ♜c1 5 ♜d1 ♜b3 6 ♜d3 ♜f4 7 c4 ♜e5 8 ♜c2 =) 3 ♜c4 d2 4 ♜x c3 d1(+) 5 ♜e2+ =. (15 MARKS)
- 328 1 ♜e6 (1 ♜e2? ♜h4! =) 1... ♜h4(e1) (1... ♜g3 2 ♜d4+ ♜a3 3 ♜f3 wins) 2 ♜c5+ ♜a3 3 ♜e4 wins. (5 MARKS)
- 329 1 ♜e7 ♜c2 2 ♜d5! ♜a4 (2... ♜e4 3 ♜f6+ wins) 3 ♜b4 ♜d1 4 ♜c6! (4 ♜d3? ♜b3 =) 4... ♜f3 5 ♜e5+ ♜f4 6 ♜x f3 wins. (10 MARKS)
- 330 1 ♜d4+ ♜a8! 2 c4 ♜d2 3 c5 ♜b3 4 c6 ♜a5 5 c7 ♜c6 6 c8(+)! (6 c8(+)+? ♜b8+ draws). (10 MARKS)

Total Marks Available 50

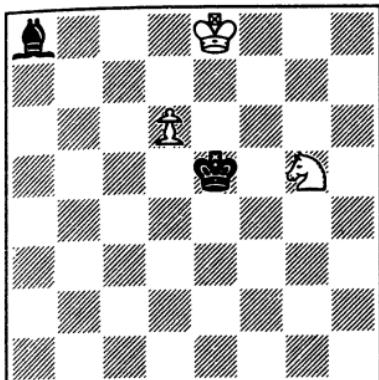
Your Score _____

Your Percentage _____

Your Rating _____

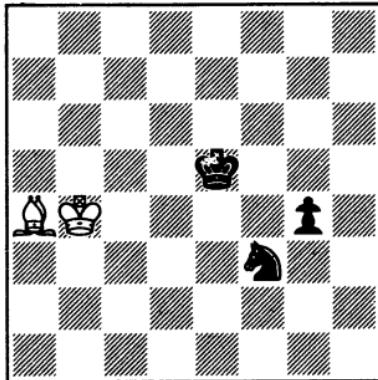
Test 56 Time Allowed 120 minutes

331 M. Dimentberg, 1949



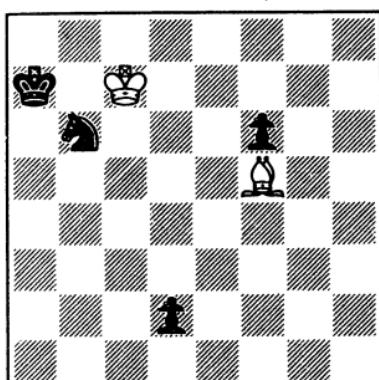
White wins

332 A. Chéron, 1952



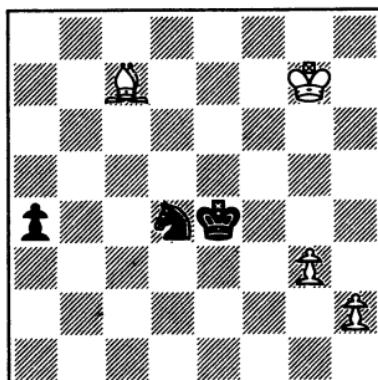
Draw

333 I. Schultz, 1943



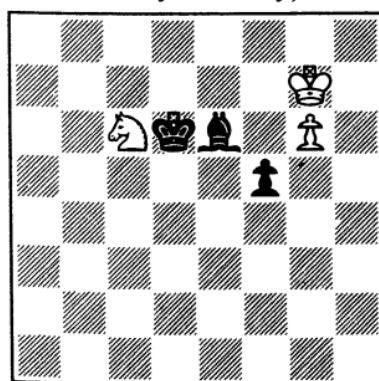
Draw

334 V. Yakimchik, 1958



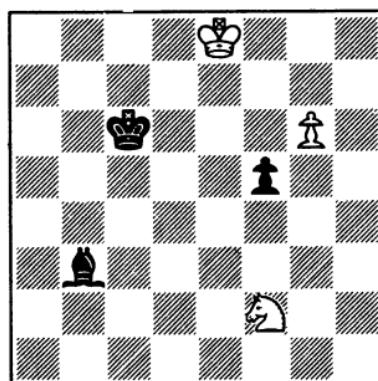
Draw

335 V. Tyavlovsky, 1963



White wins

336 V. Tyavlovsky, 1968



White wins

Solutions to Test 56

- 331 1 ♜d7 ♜d5 2 ♜c7 ♜c6 3 ♜e4! ♜b5(a4) 4 ♜c3+ wins. If 3... ♜e8 4 ♜f6+. (10 MARKS)
- 332 1 ♜d7 g3 2 ♜h3 ♜h4 (2... ♜d4 3 ♜g2 ♜h4 4 ♜h1 ♜e3 5 ♜c5! ♜f2 6 ♜d4(d3) ♜g2 7 ♜e4 ♜g1 8 ♜f3 =) 3 ♜c5! ♜e4 4 ♜d6 ♜f3 5 ♜e5! ♜g6+ 6 ♜d4 ♜f2 (6... ♜f4 7 ♜f5 =) 7 ♜e4 ♜h4 8 ♜f4 =. (15 MARKS)
- 333 1 ♜g4! (1 ♜c2? f5 2 ♜c6 f4 3 ♜d1 ♜c4 4 ♜c5 ♜e3 5 ♜e2 d1(+) 6 ♜x d1 ♜x d1 7 ♜d4 ♜e3 8 ♜e4 ♜d5 wins) 1... f5 2 ♜e2 ♜d5+ (2... ♜c4 3 ♜c6 ♜e3 4 ♜c5 d1(+)) 5 ♜x d1 ♜x d1 6 ♜d4 ♜b6 7 ♜e5 ♜e3 8 ♜f4 =) 3 ♜d6 ♜c3 4 ♜h5! ♜b6 5 ♜e5 ♜c5 6 ♜xf5 ♜d4 7 ♜f4 ♜d3 8 ♜g6+ draws. (25 MARKS)
- 334 1 ♜a5 ♜d3 (1... a3 2 ♜b4! =) 2 ♜b4 ♜c4 3 ♜a3 ♜b3 4 ♜c1 ♜e2 5 ♜g5 a3 6 ♜f6 ♜c3 7 h4 a2 8 h5 a1(+) 9 h6 ♜a7+ 10 ♜g6 ♜e4(d5) 11 h7 =. (10 MARKS)
- 335 1 ♜d8! (1 ♜d4? ♜a2 2 ♜xf5+ ♜e5 3 ♜e7 ♜b1 =) 1... ♜d5 (1... ♜a2 2 ♜f8 ♜e5 3 ♜e7 ♜g8 4 ♜f7+ ♜e4 5 ♜h6 [5 ♜f8 f4 6 g7 f3 7 ♜g5+ ♜f5 =] 5... f4 6 ♜xg8 f3 7 ♜f6+ ♜f5 8 g7 f2 9 ♜h5 wins) 2 ♜f8 f4 3 ♜f7+ ♜c5 4 g7 f3 5 ♜e5 f2 6 ♜d3+ ♜d4 7 ♜xf2 ♜e5 8 ♜g4+ and wins. (25 MARKS)
- 336 1 ♜h3 f4 2 ♜g5 ♜c5 (2... ♜b5 3 g7 ♜g8 4 ♜f8 ♜d5 5 ♜e7! ♜g8 6 ♜e6 f3 7 ♜d4+ ♜c4 8 ♜xf3 ♜d3 9 ♜g5 ♜e3 10 ♜f8 wins) 3 g7 ♜g8 4 ♜f8 ♜d5 5 ♜f7 f3 6 ♜e5 f2 7 ♜d3+ ♜d4 8 ♜xf2 ♜e5 9 ♜g4+ ♜f5 10 ♜e3 wins. (15 MARKS)

Total Marks Available

100

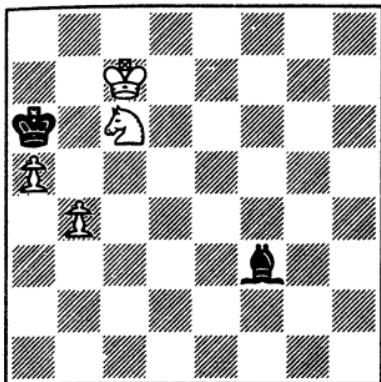
Your Score

Your Percentage

Your Rating

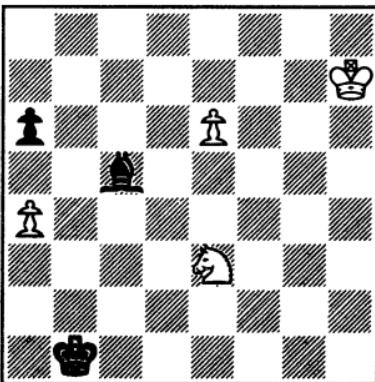
Test 57*Time Allowed 120 minutes*

337 B. Horwitz, 1885



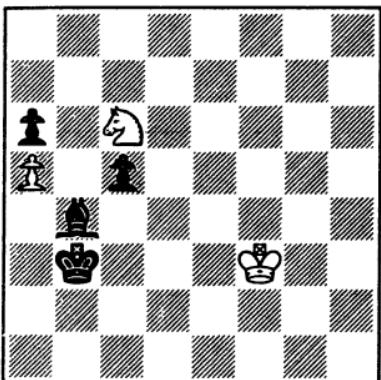
White wins

338 V. Tyavlovsky, 1957



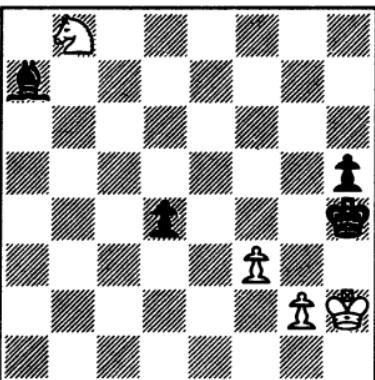
White wins

339 K. Gavrilov, 1954



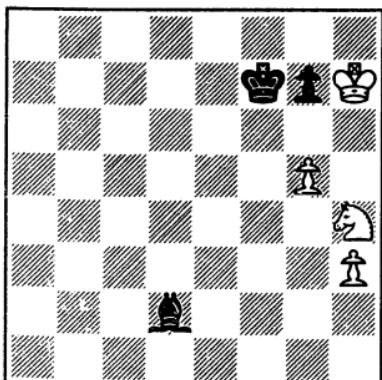
Draw

340 A. Troitsky, 1910



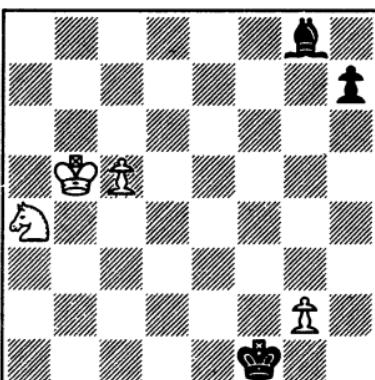
Draw

341 M. Botvinnik, 1944



White wins

342 V. Tyavlovsky, 1959



White wins

Solutions to Test 57

- 337 1 $\mathbb{Q}b8+$ $\mathbb{Q}b5$ 2 a6 $\mathbb{Q} \times b4$ 3 $\mathbb{Q}b6$ $\mathbb{Q}a8$ 4 $\mathbb{Q}c6+$ $\mathbb{Q}c4$ 5 $\mathbb{Q}d8$ $\mathbb{Q}b4$ 6 $\mathbb{Q}b7$ $\mathbb{Q}c4$ (6... $\mathbb{Q}a4$ 7 a7 $\mathbb{Q}b4$ 8 $\mathbb{Q}c7$ $\mathbb{Q}b5$ 9 $\mathbb{Q}b8$ wins) 7 $\mathbb{Q}c6$ $\mathbb{Q}d4$ (7... $\mathbb{Q}b4$ 8 a7 wins) 8 $\mathbb{Q}c7$ $\mathbb{Q}d5$ 9 $\mathbb{Q}b8$ $\mathbb{Q}c6$ 10 $\mathbb{Q} \times a8$ wins. (20 MARKS)
- 338 1 a5! (1 $\mathbb{Q}d5?$ a5 2 e7 $\mathbb{Q} \times e7$ 3 $\mathbb{Q} \times e7$ $\mathbb{Q} \times b2 =$) 1... $\mathbb{Q}b2$ 2 $\mathbb{Q}d5$ $\mathbb{Q}b3$ 3 $\mathbb{Q}c7$ $\mathbb{Q}a4$ 4 $\mathbb{Q} \times a6$ $\mathbb{Q}e7$ 5 $\mathbb{Q}b4!$ (5 $\mathbb{Q}b8$ $\mathbb{Q}b5$ 6 a6 $\mathbb{Q}b6$ 7 a7 $\mathbb{Q}b7$ 8 $\mathbb{Q}c6$ $\mathbb{Q}d6 =$) 5... $\mathbb{Q}b5$ 6 a6 $\mathbb{Q}b6$ 7 $\mathbb{Q}d5+$ and wins. If 4... $\mathbb{Q}d6$ 5 $\mathbb{Q}c5+$ $\mathbb{Q}b5$ 6 $\mathbb{Q}b3$ wins. (20 MARKS)
- 339 1 $\mathbb{Q}e4!$ c4 2 $\mathbb{Q}d5!!$ c3 3 $\mathbb{Q}d4+$ $\mathbb{Q}b2$ 4 $\mathbb{Q}c6$ $\mathbb{Q} \times a5$ 5 $\mathbb{Q}b7$ $\mathbb{Q}d8$ 6 $\mathbb{Q} \times a6$ $\mathbb{Q}f6$ 7 $\mathbb{Q}e2$ c2 8 $\mathbb{Q}b5$ $\mathbb{Q}b3$ 9 $\mathbb{Q}c5$ $\mathbb{Q}e7$ 10 $\mathbb{Q}b5 =$. (15 MARKS)
- 340 1 $\mathbb{Q}c6$ d3 2 $\mathbb{Q} \times a7!$ d2 3 $\mathbb{Q}b5$ d1(\mathbb{Q}) 4 $\mathbb{Q}c3$ $\mathbb{Q}d6+$ 5 $\mathbb{Q}h1$ \mathbb{Q} -any 6 $\mathbb{Q}e4 =$. (10 MARKS)
- 341 1 $\mathbb{Q}f3$ $\mathbb{Q}f4$ 2 h4 $\mathbb{Q}g3$ 3 h5 $\mathbb{Q}f4$ 4 g6+ $\mathbb{Q}f6$ (4... $\mathbb{Q}f8$ 5 $\mathbb{Q}d4$ $\mathbb{Q}e5$ 6 $\mathbb{Q}f5$ $\mathbb{Q}c3$ 7 $\mathbb{Q} \times g7$ wins) 5 $\mathbb{Q}e5!$ $\mathbb{Q} \times e5$ (5... $\mathbb{Q} \times e5$ 6 h6 wins, or 5... $\mathbb{Q}cl$ 6 h6 wins) 6 $\mathbb{Q} \times g7$ wins. (15 MARKS)
- 342 1 c6 $\mathbb{Q}e6$ 2 g3! $\mathbb{Q}f2$ 3 $\mathbb{Q}b6$ $\mathbb{Q} \times g3$ 4 c7 $\mathbb{Q}g4$ 5 $\mathbb{Q}c6$ $\mathbb{Q}f3$ 6 $\mathbb{Q}d7$ h5 7 $\mathbb{Q}d5!$ h4 8 $\mathbb{Q}d8$ $\mathbb{Q}g4$ 9 $\mathbb{Q}f6$ $\mathbb{Q}c8$ 10 $\mathbb{Q} \times c8$ h3 11 $\mathbb{Q}g4!$ $\mathbb{Q} \times g4$ 12 $\mathbb{Q}d8$ wins. (20 MARKS)

Total Marks Available 100

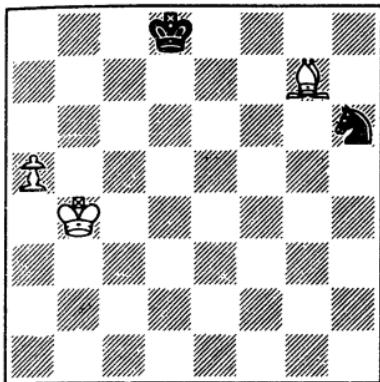
Your Score _____

Your Percentage _____

Your Rating _____

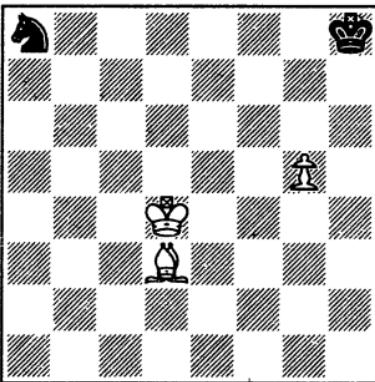
Test 58*Time Allowed 150 minutes*

343 B. Sevitov, 1937



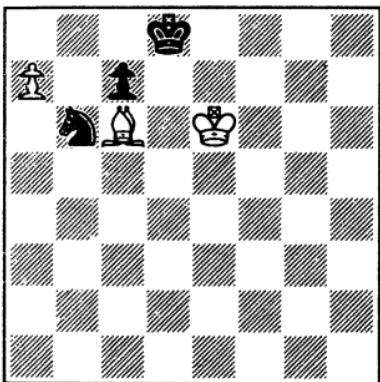
White wins

344 G. Zakhodyakin, 1931



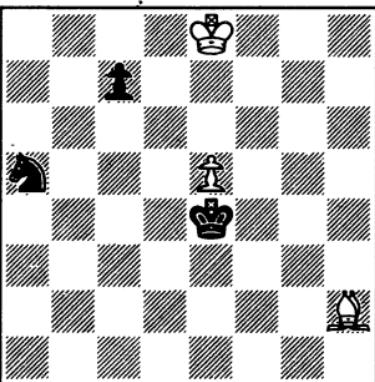
White wins

345 A. Selezniev, 1919



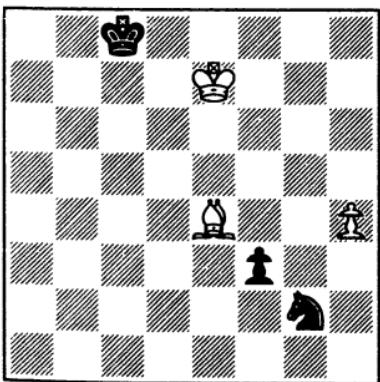
White wins

346 V. Bron, 1953



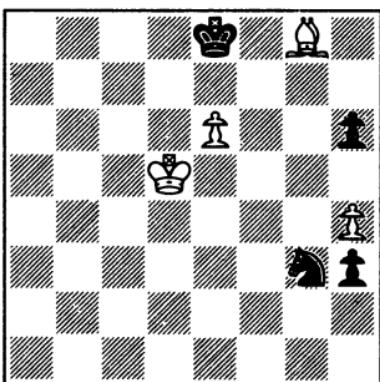
White wins

347 A. Selezniev, 1916



White wins

348 L. Kubbel, 1917



Draw

Solutions to Test 58

- 343 1 ♜e5! ♜g4 (1... ♜f5 2 a6 ♜e7 3 ♜c5 ♜c8 4 ♜c6 ♜a7+ 5 ♜b7 ♜c8 6 ♜f6+ ♜d7 7 ♜e7 wins) 2 ♜g3 ♜f6 3 a6 ♜c8 4 ♜c5 ♜d7+ 5 ♜b5 ♜f6 6 ♜c6 ♜e8 7 a7 ♜c7 8 ♜e1 ♜a8 9 ♜a5 ♜c7 10 ♜b6 ♜a8+ 11 ♜a6 ♜d7 12 ♜b7 wins. (15 MARKS)
- 344 1 ♜c5 ♜c7 2 ♜d6 ♜e8+ 3 ♜e7! (3 ♜d7? ♜g7 4 ♜g6 ♜g8 5 ♜e7 ♜h8 6 ♜f7 ♜f5=) 3... ♜g7 (3... ♜c7 4 ♜f7 ♜-any 5 g6 wins) 4 ♜g6 ♜g8 5 ♜f7+ ♜h76 ♜f6 ♜h87 ♜e5 ♜h78 ♜e4 ♜h8 9 ♜f4 ♜h7 10 ♜g4 ♜h8 11 g6 wins. (15 MARKS)
- 345 1 ♜f5! (1 ♜f7?(f6?) ♜c8=) 1... ♜e7 2 ♜e5 ♜f7 3 ♜d4 ♜e6 4 ♜c5 ♜e7 (4... ♜e5 5 ♜b4 ♜e6 6 ♜a5 ♜d6 7 ♜b5 ♜e6 8 ♜a6 ♜e7 9 ♜b7 ♜d6 10 ♜g2 ♜d7 11 ♜f3 ♜d6 12 ♜c6 wins) 5 ♜f3 ♜e8 6 ♜c6 ♜d8 7 ♜b7 ♜d7 8 ♜g2 ♜d6 9 ♜c6 ♜c5 10 ♜xc7 wins. (20 MARKS)
- 346 1 e6 ♜c6 2 ♜d7 ♜d5 (2... ♜f5 3 ♜xc7 ♜f6 4 ♜f4 ♜f5 5 ♜h2 ♜f6 6 ♜d6 ♜a7 7 ♜e5+ ♜f5 8 ♜d7 ♜c8 9 ♜d4 wins) 3 ♜xc7 ♜c5 4 ♜f4 ♜b5 5 ♜d6 ♜b6 6 ♜c8 ♜a7+ 7 ♜d8 ♜c6+ 8 ♜d7 ♜b7 9 ♜c7 ♜b4 10 ♜e5 ♜c6 11 ♜d4 wins. (15 MARKS)
- 347 1 h5 ♜f4 2 h6 f2 3 h7 ♜g6+ 4 ♜xg6 f1(+) 5 h8(+) ♜b7 (5... ♜c7 6 ♜c3+ ♜b6 7 ♜e3 wins) 6 ♜b2+ ♜a6 (6... ♜c6 7 ♜b4! ♜d5 8 ♜d6+ or 7... ♜c7 8 ♜a5+ wins) 7 ♜a3+ ♜b6 8 ♜e3+ ♜a5 9 ♜d2+ ♜b6 10 ♜d8+ ♜a7(c5) 11 ♜d4+(d6+) and wins. (20 MARKS)
- 348 1 e7 ♜xe7 (1... ♜e2 2 ♜e6 ♜f4+ 3 ♜f6 ♜h5+ 4 ♜e6=, or 1... ♜f5 2 ♜e5 ♜xe7 3 ♜h7=) 2 ♜e5 h2 3 ♜d5 h1(+) 4 ♜xh1 ♜xh1 5 ♜f5 ♜f7 6 ♜g4! ♜f2+ 7 ♜h5 ♜g7=. (15 MARKS)

Total Marks Available 100

Your Score _____

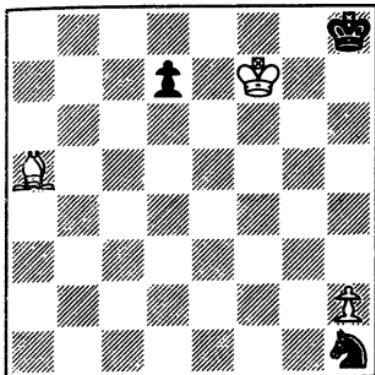
Your Percentage _____

Your Rating _____

Test 59

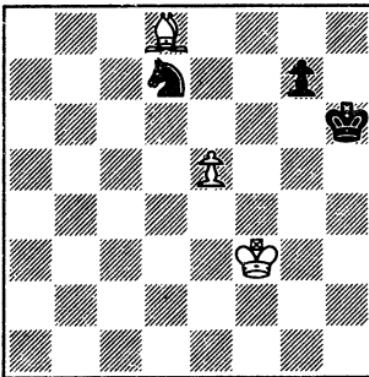
Time Allowed 150 minutes

349 V. Korolkov, 1950



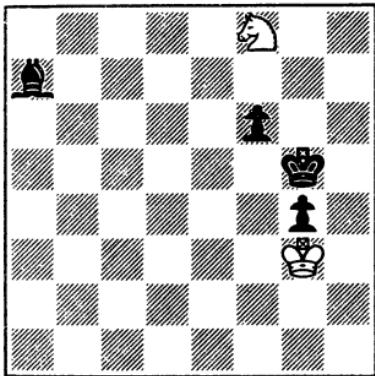
White wins

350 V. Bron, 1952



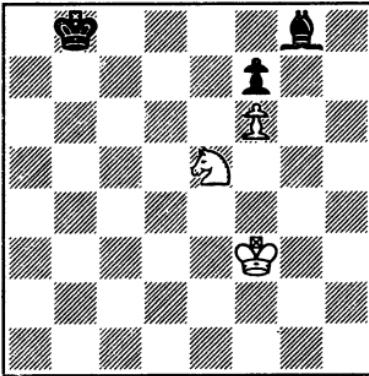
White wins

351 Y. Brenev, 1931



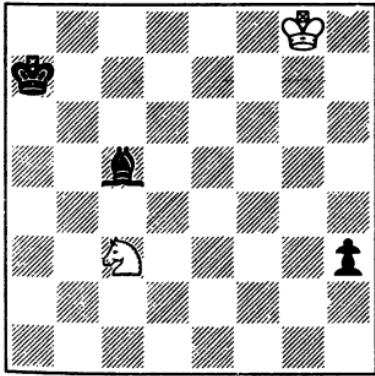
Draw

352 S. Kozłowski, 1931



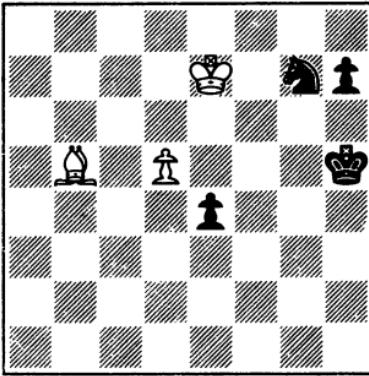
White wins

353 R. Voia, 1957



Draw

354 E. Pogosyants, 1964



White wins

Solutions to Test 49

- 349** 1 ♜b6! ♜h7 2 ♜e3 d5 3 ♜f6 d4 4 ♜x d4 ♜h6 5 ♜f5 ♜h5 6 ♜f4 ♜h4 7 ♜f3! ♜h3 8 ♜e5! (8 ♜g1? ♜g3 9 hg =) 8... ♜g3 9 hg wins. (15 MARKS)
- 350** 1 e6 ♜e5+ 2 ♜e4! (2 ♜f4 ♜c6 3 ♜e4 ♜g6 4 ♜d5 ♜f5 =) 2... ♜g6 (2... ♜c6 3 ♜d5 wins) 3 ♜f5 ♜h5 (3... ♜h7 4 ♜g5 ♜h8 5 e7 ♜f7 6 ♜f4 wins) 4 ♜g5 ♜f8 5 e7 ♜g6 6 e8(+) wins. (15 MARKS)
- 351** 1 ♜h7+ (1 ♜e6+? ♜f5 2 ♜g7+ ♜g6 wins) 1... ♜f5 2 ♜x f6 ♜b8+ 3 ♜h4 g3 4 ♜h5! (4 ♜d5? ♜e4 5 ♜c3+ ♜f3 wins) 4... g2 5 ♜g3+ ♜xg3+ (5... ♜f4 6 ♜e2+ ♜f3 7 ♜g1+ ♜f2 8 ♜h3+=) 6 ♜h3 gl(+) =. (15 MARKS)
- 352** 1 ♜d7+ ♜c7 2 ♜f8! ♜d8 (2... ♜d6 3 ♜g4! ♜d5! 4 ♜h5! ♜e5 5 ♜g5 ♜-any 6 ♜h6, or 2... ♜c8 3 ♜f4 ♜d8 4 ♜g5 ♜e8 5 ♜h5! wins) 3 ♜f4 ♜e8 4 ♜g5 ♜xf8 5 ♜h6 wins. (15 MARKS)
- 353** 1 ♜e4 (1 ♜e2 ♜f2 wins) 1... h2 ♜g3 ♜d6 3 ♜h1 ♜b6 4 ♜f7 ♜c5 5 ♜e6 ♜c7 (5... ♜d4 6 ♜x d6 ♜e4 7 ♜c5 ♜f3 8 ♜d4 ♜g2 9 ♜e3 ♜xh1 10 ♜f2 =) 6 ♜f5 ♜d4 7 ♜g4 (7 ♜f2 ♜g3 8 ♜h1 ♜e3 9 ♜g4 ♜c7 10 ♜h3 =) 7... ♜e3 8 ♜h3 ♜f3 9 ♜g3 ♜xg3 =. (20 MARKS)
- 354** 1 ♜f6 ♜h6 2 d6 ♜e8+! 3 ♜x e8 e3 4 d7! e2 (4 ♜b5? e2 5 ♜x e2 =) 5 d8(+)! e1(+) (5... e1(+) 6 ♜c6 ♜-any 7 ♜e7 ♜-any 8 ♜g8 mate) 6 ♜f7+ ♜h5 7 ♜e5+ ♜h4 (7... ♜h6 8 ♜g4 mate) 8 ♜f3+ wins the queen. (20 MARKS)

Total Marks Available

100

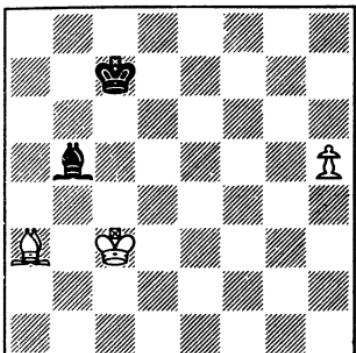
Your Score

Your Percentage

Your Rating

OPPOSITE COLOURED BISHOP ENDINGS

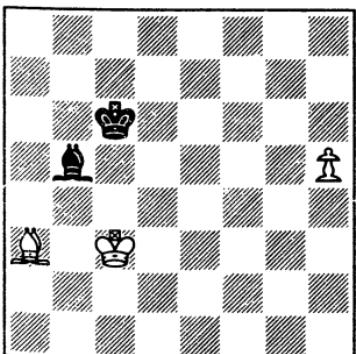
In endgames with bishops of opposite colours the advantage of one or two (or sometimes three or more) pawns often will not be decisive:



Draw

Here for example after 1... $\mathbb{A}e8$ 2 $\mathbb{h}6$ $\mathbb{A}g6 =$.

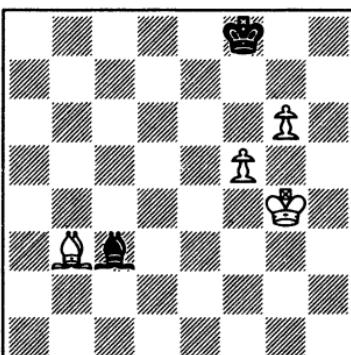
A single pawn can win in such endings only in exceptional circumstances.



Win

For instance, here the black bishop can't reach the b1-h7 diagonal in time.

However, in the next diagram two extra pawns are easily and unshakeably blockaded by the enemy king and bishop.



Draw

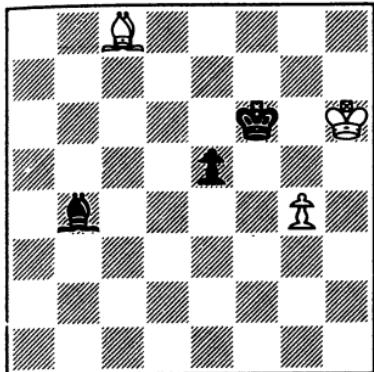
After 1 $\mathbb{B}g5$ $\mathbb{B}g7$ the black bishop will happily waltz up and down the a1-f6 diagonal for ever.

In this example Black got a draw due to the unfortunate placement of the white pawns. One should note that as a rule the *stronger side should place his pawns on squares of opposite colour to that of the bishop*. In contrast, *the defending side should usually place his pawns on squares of the same colour as the bishop*.

Test 60

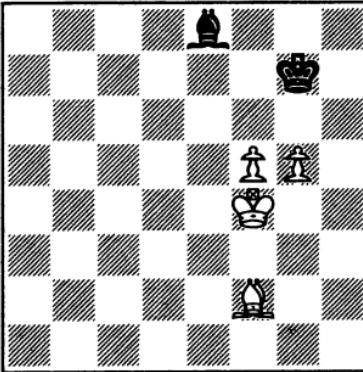
Time Allowed 75 minutes

355 H. Weenink, 1918



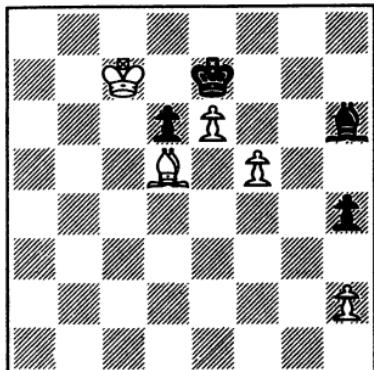
White wins

356 S. Tarrasch, 1921



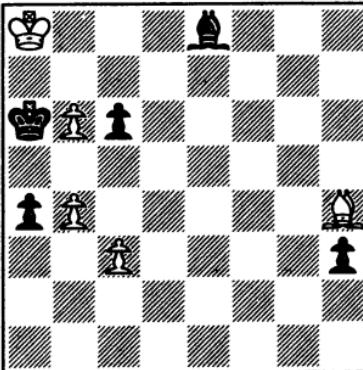
White wins
whoever is to move

357 A. Herbstmann, 1929



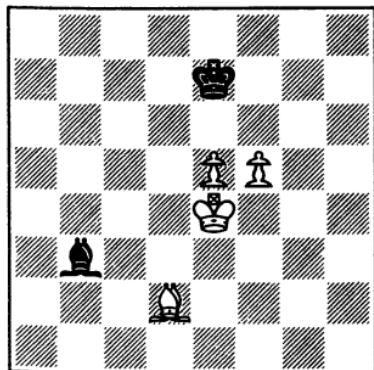
White wins

358 A. Herbstmann, 1935



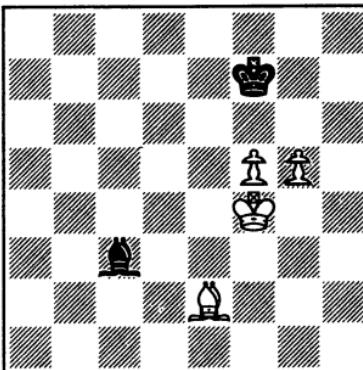
White wins

359 M. Henneberger, 1916



White wins

360 M. Henneberger, 1916



Draw

Solutions to Test 60

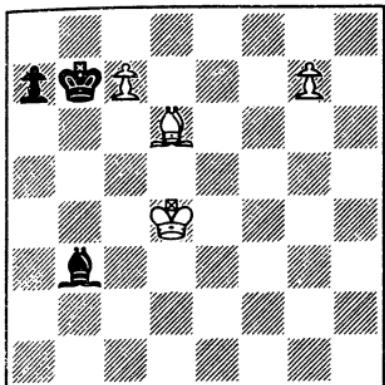
- 355** 1 g5+ ♜e7 2 g6 ♜e8 3 ♜d7+ wins. Not 3 g7 ♜f8! =. (5 MARKS)
- 356** White to move: 1 ♜d4+ ♜h7 2 ♜e5 wins. (5 MARKS)
Black to move: 1... ♜h5 2 ♜d4+ ♜f7 3 ♜c3! wins. (5 MARKS)
- 357** 1 f6+ ♜xf6 2 ♜d7 ♜f8 3 ♜e8 ♜g7 4 h3 ♜g8 5 e7+ wins. If 3... ♜e7 4 h3 wins. (5 MARKS)
- 358** 1 b7 c5! 2 b5+! (2 b8(?)? ♜c6+, or 2 b8(?) + ♜b5 wins) 2... ♜x b5 (2... ♜x b5? 3 b8(?) + wins) 3 b8(?) +! ♜b6(a5) 4 ♜d8 mate. (10 MARKS)
- 359** 1 ♜g5+ ♜d7 (1... ♜f7 2 ♜d4 ♜a2 3 ♜c5 ♜b3 4 ♜d6 wins) 2 ♜f4 ♜a2 3 ♜h4 ♜f7 4 ♜g5 ♜e7 5 ♜h6+ ♜d7 6 ♜g7 ♜d5 7 ♜f6 wins. If, in the initial position, the black bishop stands on c8 or d7 White can only draw. (10 MARKS)
- 360** 1 ♜h5+ ♜e7 2 ♜g6 ♜b2 3 ♜g4 ♜c3 4 ♜h5 ♜g7! 5 ♜h7 ♜f7 =, or 1 ♜g4 ♜b2 2 ♜h5 ♜g7! 3 ♜b5 ♜c3 4 ♜e8 ♜b2 5 ♜g6 ♜d4 6 ♜g4 ♜b6 7 ♜h5 ♜d8! =. (10 MARKS)

Total Marks Available	50
Your Score	_____
Your Percentage	_____
Your Rating	_____

Test 61

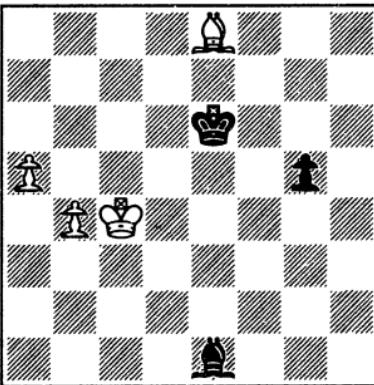
Time Allowed 80 minutes

361 A. Norman, 1948



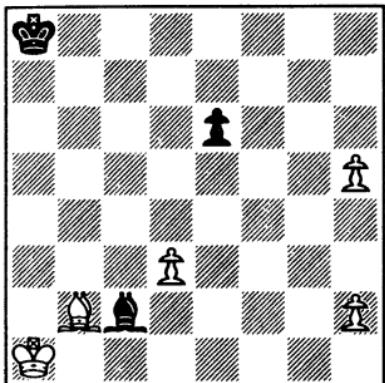
White wins

362 M. Bayer, 1896



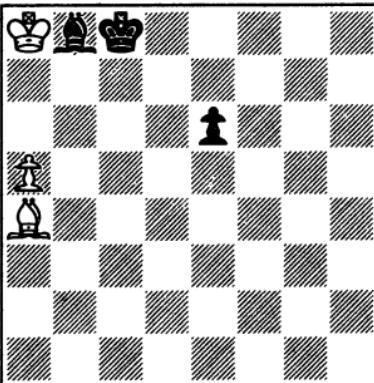
White wins

363 A. Kazantsev, 1950



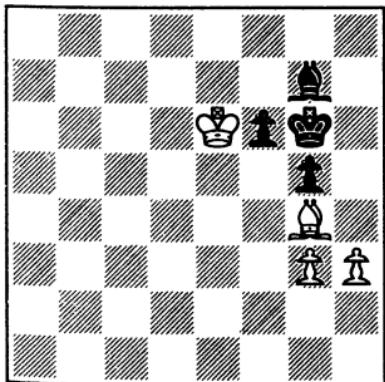
White wins

364 A. Hildebrand, 1955



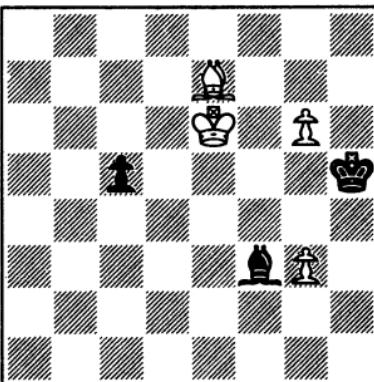
White wins

365 A. Herbstmann, 1956



White wins

366 V. Tyavlovsky, 1962



White wins

Solutions to Test 61

- 361** 1 ♜c3 ♜f7 2 ♜b4 ♜e6 3 ♜e5 ♜c8 (3... ♜f7 4 ♜c5 ♜b3 5 ♜d6 ♜c8 6 ♜c3 any 7 ♜a5 wins) 4 ♜c5 ♜b3 5 ♜b5 ♜b7 6 ♜b4 ♜f7 7 ♜c5 ♜c8 8 ♜c6 ♜e8 9 ♜d6 ♜f7 10 ♜c3 wins. **(10 MARKS)**
- 362** 1 ♜c5 ♜e7 (1... g4 2 ♜c6 g3 3 ♜d7+ ♜e7 4 ♜h3 ♜d8 5 a6 wins) 2 ♜c6! ♜x e8 3 a6 ♜f2 4 b5 g4 5 b6 g3 6 a7 g2 7 a8(+) + ♜e7 8 ♜a3+ and wins. **(10 MARKS)**
- 363** 1 ♜h8! ♜b7 2 ♜b2 ♜x d3 3 ♜c3 ♜f5 4 ♜d4 ♜c6 5 ♜e5 ♜d7 6 ♜f6 ♜e8 7 ♜g7 e5 8 h6 e4 9 h7 e3 10 ♜h6 e2 11 ♜c3 wins. **(10 MARKS)**
- 364** 1 ♜d7+ ♜c7 2 ♜x e6 ♜c6 3 ♜d7+ ♜c7 4 ♜b5 ♜c8 5 ♜a6+ ♜c7 6 ♜b7 wins. **(5 MARKS)**
- 365** 1 ♜f5+ ♜h6 2 ♜e7! (2 ♜f7 g4 3 hg ♜g5 =, or 3 h4 ♜h5 4 ♜g8 ♜h6 =, or 3 ♜xg4 f5 =) 2... g4 3 h4 ♜h5 4 ♜f7 ♜h6 5 ♜g8 ♜h5 6 ♜h7 wins. If 1... ♜h5 2 ♜f7! ♜h6 3 ♜g8 g4 4 h4 wins. **(10 MARKS)**
- 366** 1 g7 ♜d1 2 g4+ ♜b6 3 g8(+) + ♜g6 4 ♜f6 ♜g5 5 ♜d5+ ♜xg4 6 ♜e3+ wins. If 1... ♜e2 2 ♜d5 ♜d1 3 ♜c4 ♜g4 4 g8(+)! **(5 MARKS)**

Total Marks Available **50**

Your Score _____

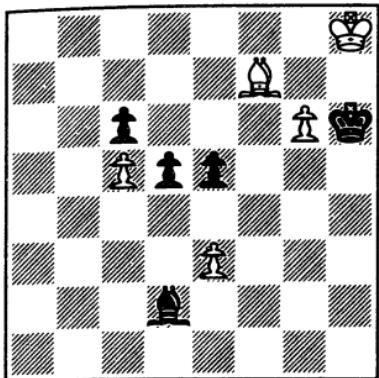
Your Percentage _____

Your Rating _____

Test 62

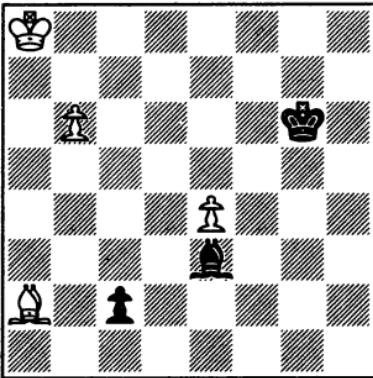
Time Allowed 90 minutes

367 A. Fontana, 1948



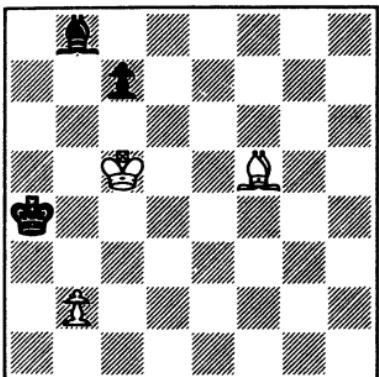
White wins

368 I. Moravec and
J. Fritz, 1933



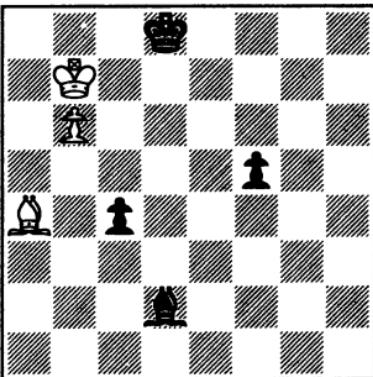
Draw

369 B. Horwitz, 1889



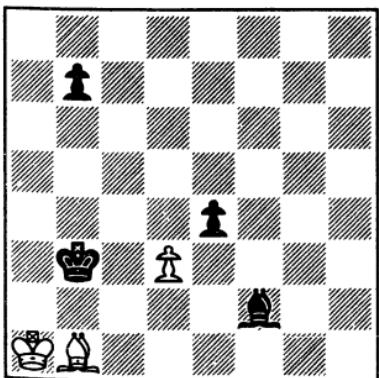
White wins

370 J. Behting, 1893



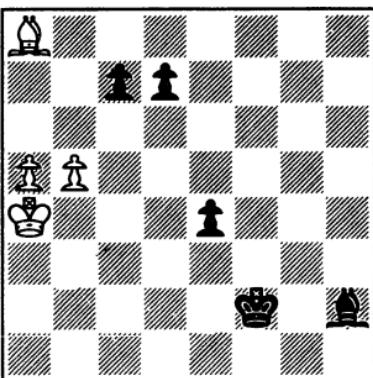
Draw

371 A. Herbstmann, 1930



Draw

372 V. Rudenko, 1956



White wins

Solutions to Test 62

- 367 1 e4! ♜g5 2 ed ♜f6+ 3 ♜g8 e4 4 dc ♜e5 5 g7 e3 6 c7+ and wins.
(5 MARKS)
- 368 1 b7 ♜f4 (1... cl(+) 2 ♜f7+! [2 b8(+) ♜c6+ 3 ♜b7 ♜a4+ 4 ♜b8 ♜f4+ 5 ♜c8 ♜e8+++] 2... ♜xf7 3 b8(+) =) 2 e5! ♜xe5 3 b8(+) ♜xb8 4 ♜b1!! cb(+) =.
(10 MARKS)
- 369 1 ♜c2+ ♜a5 2 b4+ ♜a6 3 ♜c6 ♜a7 4 b5 ♜a8 5 ♜e4 ♜a7 6 ♜f3 ♜a8 7 b6 cb 8 ♜xb6 mate.
(10 MARKS)
- 370 1 ♜a6! (1 ♜a7? ♜e3! wins) 1... ♜c8 (1... ♜e3 2 ♜b5 c3 3 ♜c4 ♜d2 4 ♜d3 f4 5 ♜c6 =) 2 ♜a7! (2 ♜b5? c3 3 ♜c4 f4 wins) 2... ♜e3 3 ♜a8! ♜xb6 4 ♜b3! cb = (4... c3 5 ♜e6+ and 6 ♜xf5 =).
(10 MARKS)
- 371 1 ♜a2+ ♜c2 2 ♜b1 ♜c3 3 de ♜d4 4 ♜a2 ♜e5! 5 ♜a3 b5! 6 ♜a2 b4 7 ♜c2! ♜xc2 =.
(5 MARKS)
- 372 1 a6 ♜f4! 2 b6! cb 3 ♜b5 e4 7 a7! (4 ♜xe4? ♜b8 5 ♜xb6 ♜f4 =) 4... e3 5 ♜h1! e2 6 a8(+) e1(+) 7 ♜f3+ ♜g1 8 ♜g2 mate.
(10 MARKS)

Total Marks Available

50

Your Score

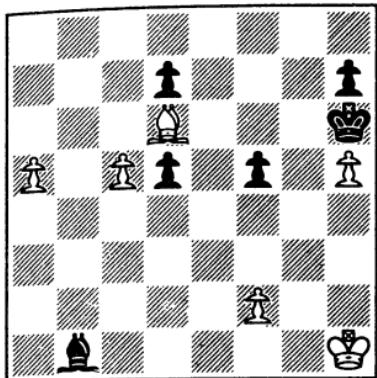
Your Percentage

Your Rating

Test 63

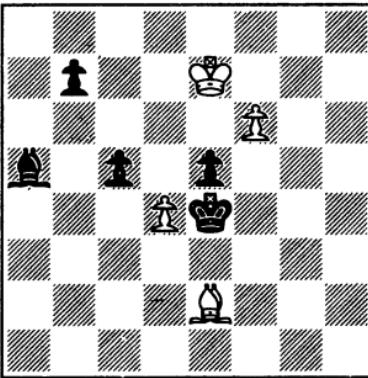
Time Allowed 120 minutes

373 T. Gorgiev and
A. Herbstmann, 1929



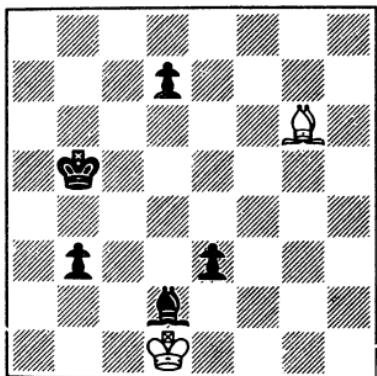
White wins

374 A. Herbstmann, 1936



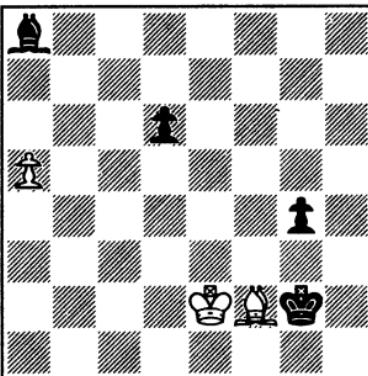
White wins

375 V. Chekhover, 1950



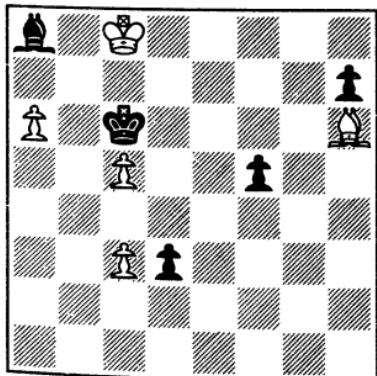
Draw

376 E. Somov, 1927
E. N. Somov - Nasimovich



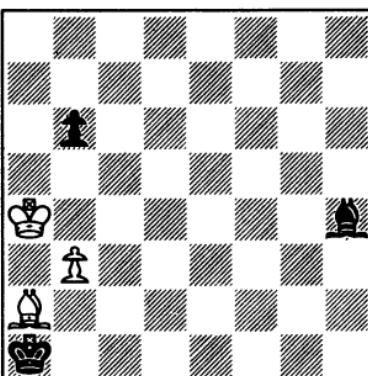
Draw

377 A. Troitsky, 1916



Draw

378 A. Herbstmann, 1955



Draw

Solutions to Test 63

- 373 1 c6 dc 2 a6 ♜e4+ 3 f3! ♜xf3+ 4 ♜h2 c5 5 ♜g3 ♜e4 6 ♜h4 ♜g7 7 ♜e5+ ♜-any 8 ♜d4! wins. (15 MARKS)
- 374 1 d5! (1 dc? ♜b4 2 ♜d6 ♜d4 wins) 1... ♜x d5 (1... c4 2 d6 c3 3 ♜d1 ♜b4 4 ♜e6! wins; 4 f7? ♜e5 wins) 2 ♜c4+! ♜c6 3 f7 ♜c7 4 ♜b5+! ♜d5 5 ♜d7 ♜d6 6 ♜c4+! ♜xc4 7 ♜xd6 wins. (15 MARKS)
- 375 1 ♜e8 ♜c6 2 ♜e2 ♜c1 3 ♜d1 ♜b2 4 ♜e2 ♜d4 5 ♜d1 ♜d6 6 ♜f7 b2 7 ♜g6 ♜c5 8 ♜e2 d5 9 ♜f5 ♜b4 10 ♜g6 ♜c3 11 ♜b1 ♜b3 12 ♜d1 ♜c3 13 ♜e2 ♜c5 14 ♜d1 d4 15 ♜e2 ♜b3 16 ♜d3 =. (20 MARKS)
- 376 1 ♜e3 g3 2 ♜d3 ♜f1 3 ♜c4 g2 4 ♜b5 g1(+) 5 ♜xg1 ♜xg1 6 ♜xb6 ♜f2 (6... d5 7 ♜a7 ♜c6 8 ♜b6 =) 7 ♜c7 d5 8 ♜b8 ♜c6 9 ♜c7 ♜b5 10 ♜b6 ♜f1 11 ♜c5 ♜g2 12 ♜d4 =. (15 MARKS)
- 377 1 ♜b8 (1 ♜e3 ♜b5 2 ♜b8 ♜e4 3 a7 h5 4 a8(+) ♜xa8 5 ♜xa8 ♜c6 wins) 1... ♜xc5 2 ♜xa8 ♜b6 3 a7 (3 ♜e3+ ♜xa6 4 c4 f4! 5 ♜xf4 h5 6 ♜e3 h4 7 c5 h3 8 c6 h2 wins) 3... ♜c7 4 c4 ♜c8 5 c5 f4 6 ♜xf4 h5 7 c6 h4 8 ♜b8! d2 9 c7 =. (20 MARKS)
- 378 1 ♜a3 ♜f6 2 b4 ♜b2+ 3 ♜b3 b5 (3... ♜c1 4 ♜c2 =) 4 ♜b1 ♜xb1 =. If 1... ♜g5 2 b4 ♜c1+ 3 ♜b3 ♜b2 4 b5 ♜g7 5 ♜a3 ♜f8+ 6 ♜a4! (6 ♜b3? ♜h6 7 ♜a3 ♜c1 8 ♜b3 ♜b2 wins) 6... ♜xa2 =. (15 MARKS)

Total Marks Available	100
Your Score	_____
Your Percentage	_____
Your Rating	_____

SAME COLOURED BISHOP ENDINGS

Bishops are much better able than knights to sacrifice themselves for a passed pawn. As a result, in practical endings with several pawns, the advantage of outside passed pawns — if it exists at all — is much less pronounced than in knight or pawn endings. After both sides have sacrificed their bishops, the more centralized king may well be better placed.

In more simplified positions an outside passed pawn may well be stronger and this is certainly the case in endings of bishop and pawn against bishop, of which we have a variety of examples. The reason is as follows.

When defending a single passed pawn there are two possible plans:

- (i) to get the king to a safe square in front of the pawn (ie not able to be attacked by the enemy bishop);
- (ii) To cover the queening

square (or at least the square of further advance) of the pawn with the bishop and attack the pawn from behind with the king.

In that case the attacker's plan will be to drive the defending bishop off the longer defensive diagonal onto the shorter, *cf diagram 379*. Once this is achieved the enemy bishop may be in trouble if that shorter diagonal is indeed too short. Obviously the nearer the pawn is to the edge of the board, the shorter the diagonal will be.

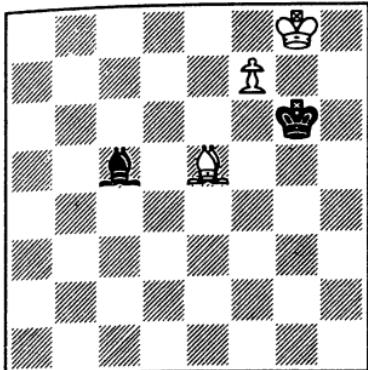
In particular, if the shorter diagonal is four squares or less, there may be problems. The attacking king can cover two squares, the bishop one, leaving only one for the defensive bishop and thus conjuring up the spectre of zugzwang.

Indeed, if the short diagonal is three squares or less, the attacker will usually win.

Test 64

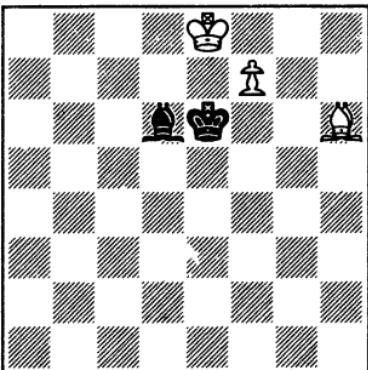
Time Allowed 70 minutes

379 Instructive Position



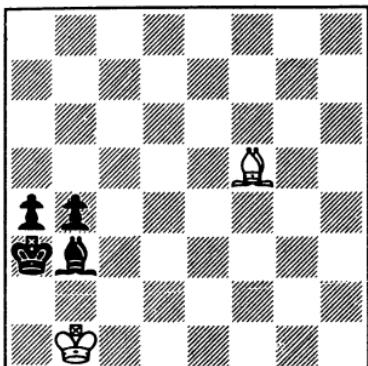
White wins

380 Instructive Position



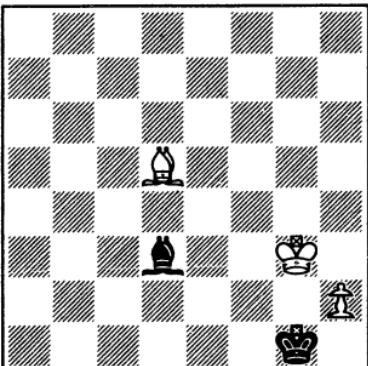
Draw
whoever is to move

381 I. Moravec, 1927



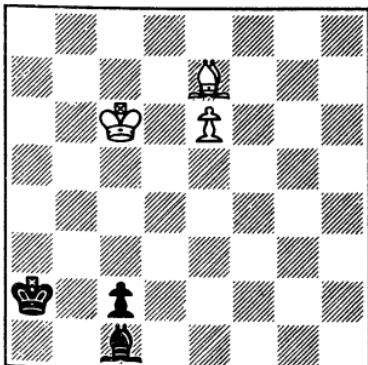
Draw

382 A. Chéron, 1956



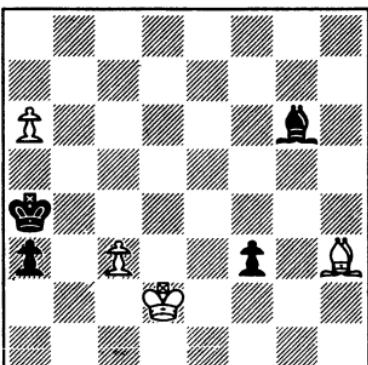
White wins

383 A. Troitsky, 1906



Draw

384 A. Herbstmann, 1926



White wins

Solutions to Test 64

- 379 1 ♜g7 ♜b4 2 ♜f8 ♜d2 (2... ♜c3 3 ♜c5 ♜g7 4 ♜e3 wins) 3 ♜c5
 ♜h6 4 ♜d4 wins. (10 MARKS)
- 380 1 ♜f8 ♜e5 2 ♜c5 ♜g7 3 ♜e3 ♜d6 4 ♜d4 ♜h6 =. (5 MARKS)
- 381 1 ♜a1! ♜a2 2 ♜c2 b3 3 ♜x b3 =. If 1... ♜d1 2 ♜c2!=, or 1...
 ♜c4 2 ♜d3!=. (10 MARKS)
- 382 1 ♜f7! wins. (5 MARKS)
- 383 1 ♜b4! ♜g5 2 ♜d2 ♜x d2 3 e7 c1(+) 4 ♜d7 =. (10 MARKS)
- 384 1 ♜e3 ♜f7 (1... ♜e8 2 a7 ♜c6 3 ♜d7 wins) 2 ♜d4 ♜e8 3 a7 wins.
(10 MARKS)

Total Marks Available **50**

Your Score _____

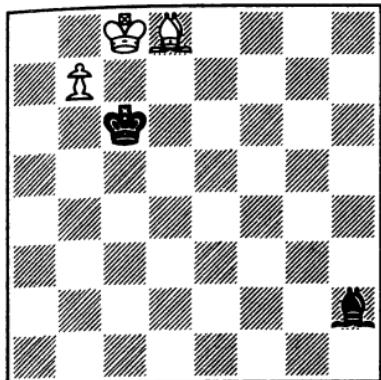
Your Percentage _____

Your Rating _____

Test 65

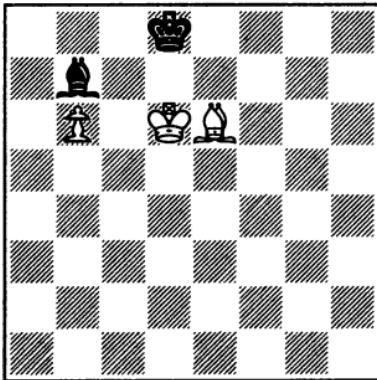
Time Allowed 70 minutes

385 L. Centurini, 1847



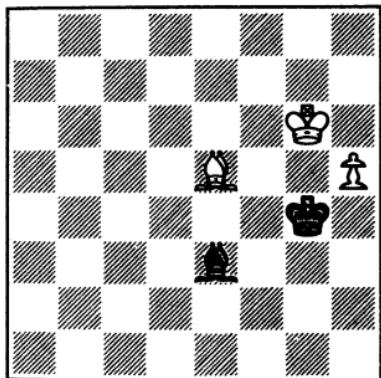
White wins

386 A. Chéron and
O. Dehler, 1922



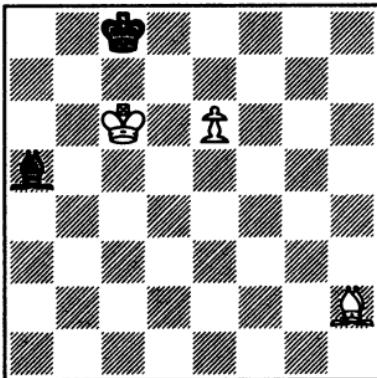
White to move — draw
Black to move — White wins

387 L. Centurini, 1847



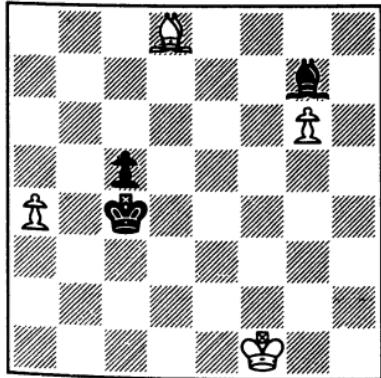
White wins

388 L. Centurini, 1856



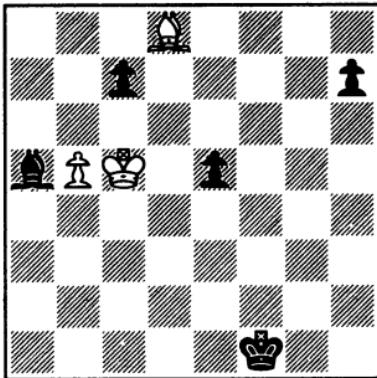
Draw

389 R. Reti, 1925



White wins

390 D. Nikolayev, 1953



Draw

Solutions to Test 65

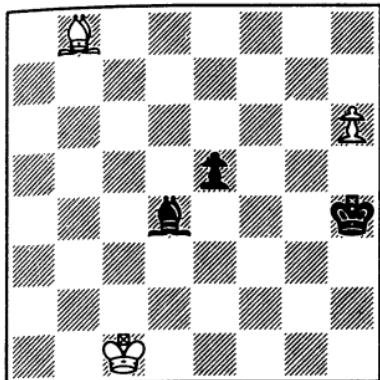
- 385 1 ♜h4 2 ♜b5 2 ♜f2 ♜a6 3 ♜c5 ♜f4 4 ♜e7 ♜b5 5 ♜d8 ♜c6
6 ♜g5 ♜h2 7 ♜e3 wins. (5 MARKS)
- 386 (a) *White to move:* 1 ♜f5 ♜f3 2 ♜e6 ♜b7 3 ♜c5 ♜f3 4 ♜d5 ♜e2
5 ♜b7 ♜d7=. (5 MARKS)
- (b) *Black to move:* 1... ♜a6 2 ♜c6 ♜c8 3 ♜c4 ♜g4 4 ♜b7 and
5 ♜a7 wins. (5 MARKS)
- 387 1 ♜g7 ♜c1 2 ♜h6 ♜b2 (2... ♜a3 3 ♜g5 ♜f8 4 ♜f6 ♜f4 5 ♜g7
wins) 3 ♜g5 ♜g7 4 ♜e7 wins. If 1... ♜g5 2 ♜h6 ♜e7 3 ♜c1 ♜f8
4 ♜b2 ♜h4 5 ♜c3 ♜g4 6 ♜f6 wins. (10 MARKS)
- 388 1 e7 ♜d8! 2 e8(+) (2 e8(+) ♜a5 3 ♜g3 ♜d8=) 2... ♜h4 3 ♜c7
爵e7 4 ♜g7 ♜d8 5 ♜f4 ♜c7=. (5 MARKS)
- 389 1 ♜a5! ♜b3 (1... ♜d5 2 ♜e2 ♜c6 3 ♜d3 ♜b7 4 ♜c3 ♜h6 5 ♜e4
wins) 2 ♜c3 ♜xc3 3 a5 ♜b2 4 a6 c4 5 a7 c3 6 a8(+) c2 7 ♜b7+
爵a2 8 ♜f7+ and wins. (10 MARKS)
- 390 1 ♜d5! (1 ♜c6 e4 wins, or 1 ♜f6 h5 wins) 1... c6+ 2 bc ♜xd8
3 ♜xe5 ♜g2 4 ♜f4! ♜h3 5 c7 ♜xc7+ 6 ♜g5 ♜f4+ 7 ♜xf4 h5
8 ♜f3 =. (10 MARKS)

Total Marks Available	50
Your Score	_____
Your Percentage	_____
Your Rating	_____

Test 66

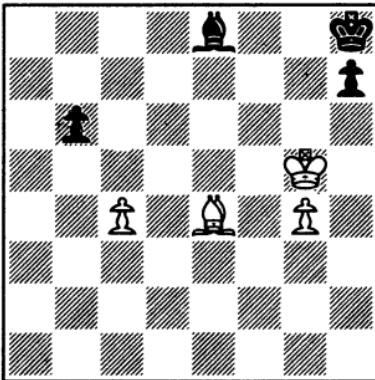
Time Allowed 70 minutes

391 P. Heuäcker, 1930



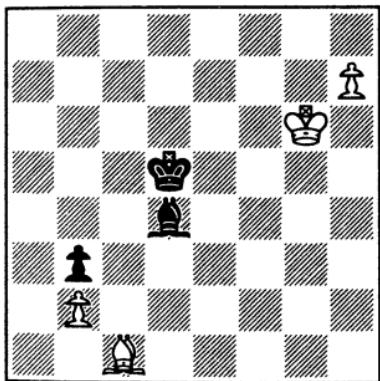
White wins

392 A. Selezniev, 1919



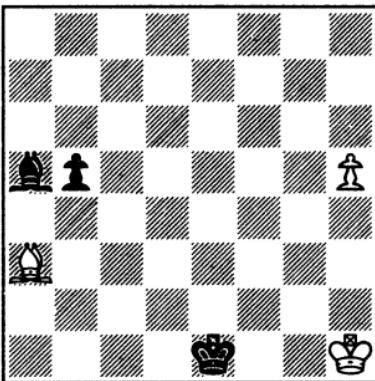
White wins

393 A. Selezniev, 1911



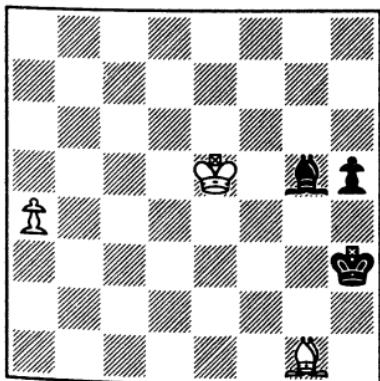
White wins

394 M. Liburkin, 1954



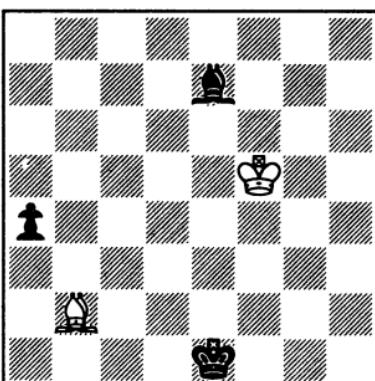
White wins

395 A. Troitsky, 1913



White wins

396 Zh. Biuzandian, 1955



Draw

Solutions to Test 66

- 391 1 ♜a7 ♜a1 2 ♜b1 ♜c3 3 ♜c2 ♜a1 4 ♜d4!! ♜xd4 5 ♜d3 ♜a1
6 ♜e4 wins. (5 MARKS)
- 392 1 ♜h6 ♜f7 2 ♜d3 ♜e6 3 g5 ♜g8 4 ♜xh7! ♜xh7 (4... ♜xc4 5 g6 wins) 5 g6 wins. (10 MARKS)
- 393 1 ♜f7 ♜c4 2 ♜g8 ♜d3 3 ♜h6 ♜xb2 4 ♜g7 ♜xg7 5 ♜xg7 b2
6 h8(♛) wins. (5 MARKS)
- 394 1 h6 ♜c3 (1... ♜d2 2 h7 ♜c3 4 ♜b4 wins) 2 ♜f8 b4 3 ♜g7 ♜f2
4 ♜h2 ♜f3 5 ♜h3 ♜f4 6 ♜xc3 bc 7 h7 c2 8 h8(♛) wins.
(10 MARKS)
- 395 1 a5 ♜h4 (1... ♜g4 2 a6 ♜f4 3 ♜d5 ♜b8 4 ♜c6 and 5 ♜b7 wins,
or 1... ♜g3 2 ♜f5 ♜f4 3 ♜h2 wins, or 1... ♜d8 2 ♜b6 wins) 2 a6
♜g3+ 3 ♜e4 ♜b8 4 ♜f3 ♜h4 (4... h4 5 ♜f2 wins) 5 ♜e3 ♜h3
6 ♜f2 ♜h2 (6... h4 7 ♜g1 wins) 7 ♜g3+ and wins.
(15 MARKS)
- 396 1 ♜e6 ♜f8 2 ♜d5 ♜d2 3 ♜c4 ♜c2 4 ♜g7! ♜e7 5 ♜f6!! =.
(5 MARKS)

Total Marks Available **50**

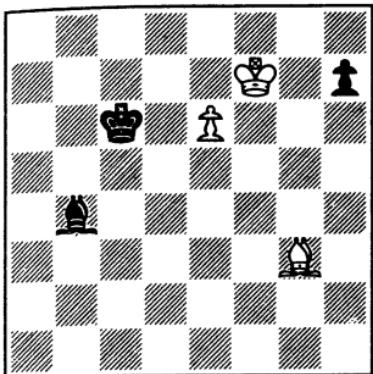
Your Score _____

Your Percentage _____

Your Rating _____

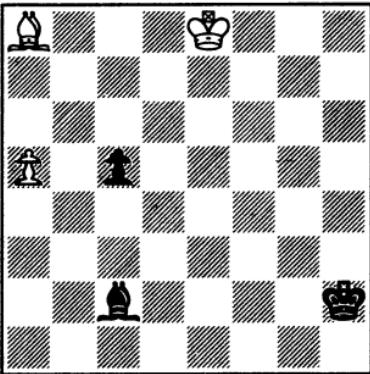
Test 67*Time Allowed 80 minutes*

397 I. Schultz, 1948



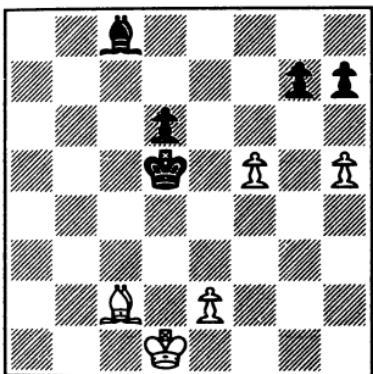
White wins

398 A. Troitsky, 1925



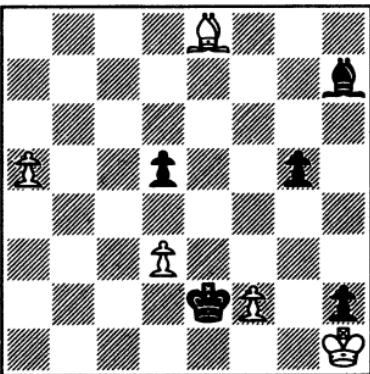
White wins

399 A. Selezniev, 1921



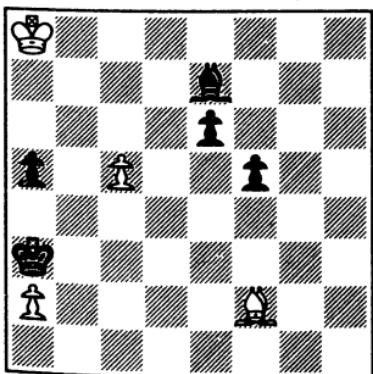
White wins

400 V. Platov, 1922



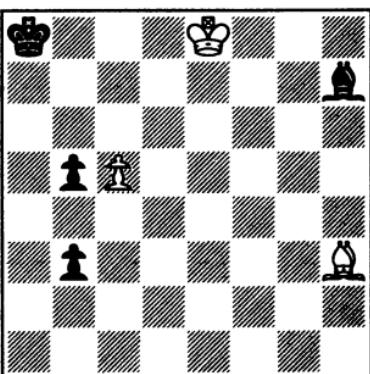
White wins

401 A. Herbstmann, 1935



White wins

402 A. Troitsky, 1927



White wins

Solutions to Test 67

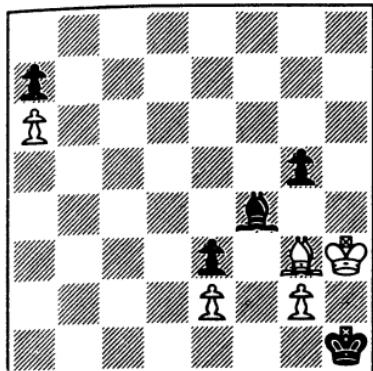
- 397** 1 ♜e1 ♜c5 2 ♜h4 h5 3 ♜e7 ♜b6 4 ♜b4 ♜d8 5 ♜a5 ♜g5 6 ♜c3 wins. (5 MARKS)
- 398** 1 a6 c4 2 a7 c3 3 ♜h1! ♜a4+! 4 ♜f7 ♜c6 (4... c2 5 a8(+) cl(+)
6 ♜g2 mate) 5 ♜x e6 c2 6 a8(+) c1(+) 7 ♜a2 ♜g3 (7... ♜h3
8 ♜g2 ♜h4 9 ♜f2+ and wins) 8 ♜g2+ ♜f4 9 ♜f3+ ♜g5 10 ♜g3+
♜f5 11 ♜g6+ ♜f4 12 ♜h6+ wins the queen. (15 MARKS)
- 399** 1 h6 gh 2 f6 ♜e6 (2... ♜e6 3 ♜f5+) 3 f7 ♜xf7 4 ♜b3+ and wins. (5 MARKS)
- 400** 1 a6 ♜xd3 2 a7 ♜e4+ 3 f3 ♜xf3+ 4 ♜xh2 d4 5 ♜h5 wins. If 3...
♜xf3 4 ♜g6 wins. (5 MARKS)
- 401** 1 c6 ♜d8 2 ♜h4 (2 ♜b8 f4 =) 2... ♜c7 3 ♜b7 ♜e5 4 ♜f6!
♜g3(h2) 5 ♜d4 ♜a4 6 ♜a7 ♜b5 7 a4+. (10 MARKS)
- 402** 1 c6 b2 (1... ♜e4 2 c7 ♜b7 3 ♜g2 wins) 2 c7 b1(+) (2... ♜g6+
3 ♜d8 b1(+)) 4 c8(+) + ♜a7 5 ♜c7+ ♜a8 6 ♜g2+ ♜e4 7 ♜c8
wins) 3 c8(+) + ♜a7 4 ♜c7+ ♜a8 5 ♜g2+ ♜e4 6 ♜h7 ♜b8
7 ♜xe4 wins. (10 MARKS)

Total Marks Available	50
Your Score	_____
Your Percentage	_____
Your Rating	_____

Test 68

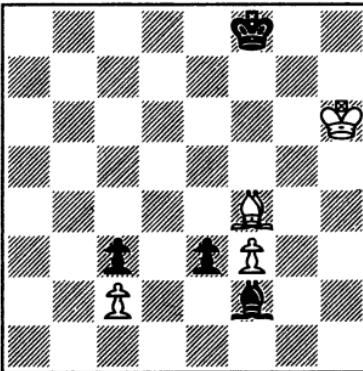
Time Allowed 80 minutes

403 M. Havel, 1949



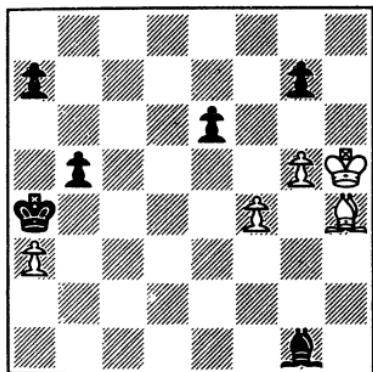
Draw

404 L. Kubbel, 1934



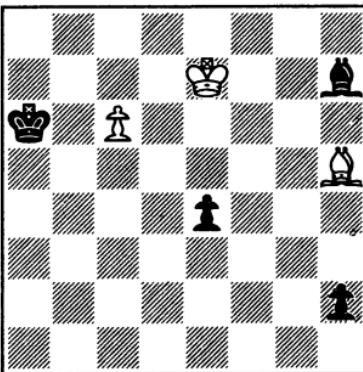
Draw

405 A. Selezniev, 1919



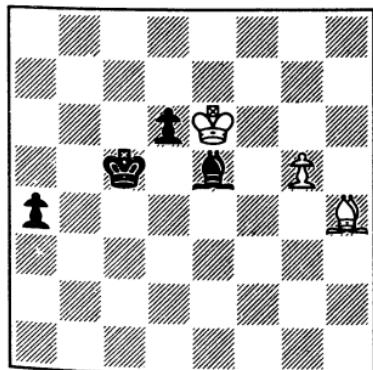
Draw

406 L. Kubbel, 1914



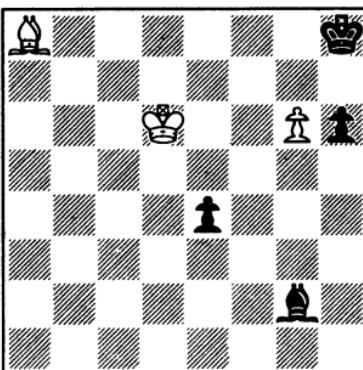
Draw

407 P. Vasilchikov, 1951



Draw

408 L. Kubbel, 1921



Draw

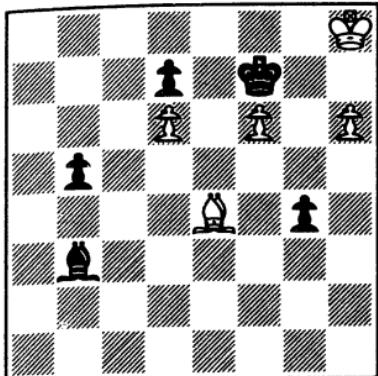
Solutions to Test 68

- 403** 1 $\mathbb{Q}h2!$ $\mathbb{Q}\times h2$ (1... $g4+$ 2 $\mathbb{Q}\times g4$ $\mathbb{Q}\times h2$ 3 $\mathbb{Q}f3=$) 2 $g4$ $\mathbb{Q}g1$ 3 $\mathbb{Q}g3$ $\mathbb{Q}f2+$ 4 $\mathbb{Q}h3=.$ (5 MARKS)
- 404** 1 $\mathbb{Q}d6+\mathbb{Q}f7$ 2 $\mathbb{Q}c5\mathbb{Q}e6$ (2... $\mathbb{Q}g1$ 3 $\mathbb{Q}d4=$) 3 $\mathbb{Q}d4$ $\mathbb{Q}e1$ 4 $\mathbb{Q}\times e3$ $\mathbb{Q}d2$ 5 $\mathbb{Q}g5$ $\mathbb{Q}f5$ 6 $f4$ $\mathbb{Q}\times f4$ 7 $\mathbb{Q}h5=.$ (10 MARKS)
- 405** 1 $g6$ $\mathbb{Q}c5$ (1... $\mathbb{Q}d4$ 2 $f5$ ef 3 $\mathbb{Q}f6=$) 2 $\mathbb{Q}f6$ $\mathbb{Q}f8$ 3 $f5$ ef 4 $\mathbb{Q}e7=.$ (5 MARKS)
- 406** 1 $c7\mathbb{Q}b7$ (1... $\mathbb{Q}f5$ 2 $\mathbb{Q}g6$ $h1(\mathbb{W})$ 3 $\mathbb{Q}\times f5$ $\mathbb{Q}h4+$ 4 $\mathbb{Q}d7)$ 2 $\mathbb{Q}d8$ $\mathbb{Q}f5$ 3 $\mathbb{Q}g6$ $h1(\mathbb{W})$ 4 $c8(\mathbb{W})+$ $\mathbb{Q}\times c8$ 5 $\mathbb{Q}\times e4+$ wins. (10 MARKS)
- 407** 1 $g6$ $a3$ 2 $\mathbb{Q}e7$ $a2$ 3 $\mathbb{Q}\times d6+$ $\mathbb{Q}\times d6$ 4 $g7$ $a1(\mathbb{W})$ 5 $g8(\mathbb{W})$ $\mathbb{Q}a2+6$ $\mathbb{Q}d7=.$ (10 MARKS)
- 408** 1 $\mathbb{Q}e5!$ $e3$ 2 $\mathbb{Q}\times g2$ $e2$ 3 $\mathbb{Q}f6$ $e1(\mathbb{W})$ 4 $g7+$ $\mathbb{Q}h7$ 5 $\mathbb{Q}\times e4+$ $\mathbb{Q}\times e4$ 6 $g8(\mathbb{W})+=.$ (10 MARKS)

Total Marks Available	50
Your Score	_____
Your Percentage	_____
Your Rating	_____

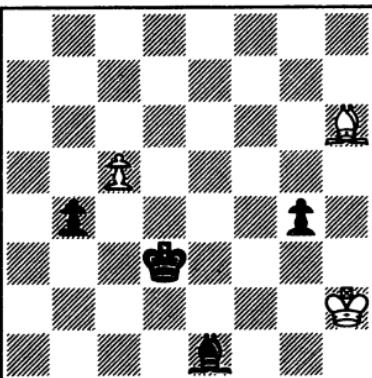
Test 69*Time Allowed 80 minutes*

409 A. Slezniev, 1912



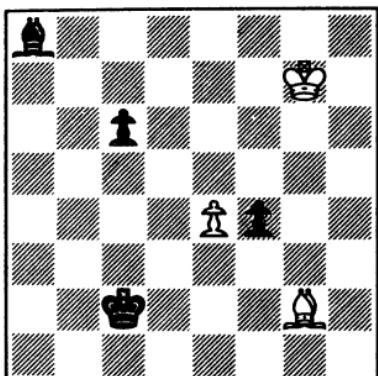
Draw

410 V. and M. Platov, 1914



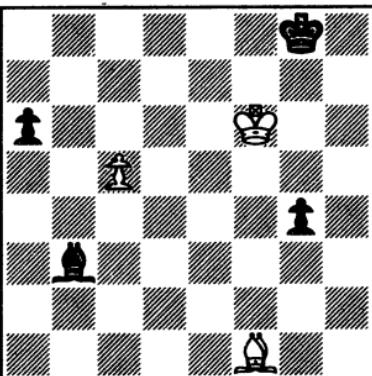
White wins

411 V. and M. Platov, 1907



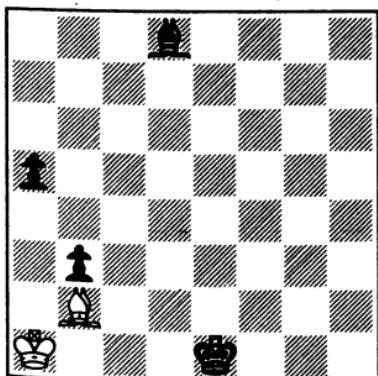
White wins

412 V. and M. Platov, 1907



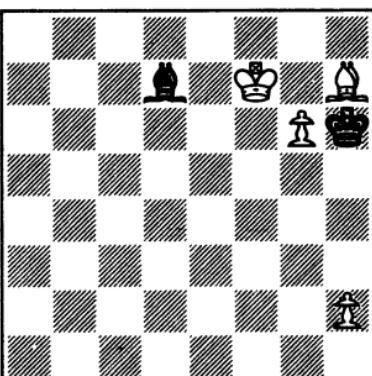
White wins

413 H. Weenink, 1918



Draw

414 S. Isenegger, 1951



White wins

Solutions to Test 69

- 409** 1 ♜d5+ ♜f8 (1... ♜x d5 2 h7! =) 2 ♜x b3 g3 3 ♜d5 b4 4 h7 b3 5 ♜g8 and 6 f7 =. **(5 MARKS)**
- 410** 1 c6 b3 (1... ♜c3 2 ♜f4 wins) 2 c7 ♜g3+! (2... b2 3 c8(♛) b1(♛) 4 ♜f5+ wins) 3 ♜xg3 b2 4 c8(♛)! (4 c8(♛)? b1(♛) 5 ♜f5+ ♜e2 5 ♜x b1 =) 4... ♜e4 (4... ♜c2 5 ♜f5+ wins) 5 ♜xg4 wins. **(10 MARKS)**
- 411** 1 e5 ♜b7 2 e6 ♜c8 3 e7 ♜d7 4 ♜h3 (4 ♜f8? c5 =) 4... ♜e8 5 ♜f8 ♜h5 6 ♜g4! ♜g6 7 ♜f5+ ♜x f5 8 e8(♛) wins. **(5 MARKS)**
- 412** 1 c6 ♜a4 (1... ♜d5 2 ♜c4 ♜x c4 3 c7 wins) 2 c7 ♜d7 3 ♜e7 ♜c8 4 ♜d8 ♜f5 5 ♜d3! ♜e6 6 ♜c4 ♜x c4 7 c8(♛) wins. **(5 MARKS)**
- 413** 1 ♜c3 ♜d1 2 ♜b1! (2 ♜x a5? ♜c2 wins; 2 ♜b2? a4 3 ♜a3 ♜c2 wins)... a4 3 ♜f6! ♜a5! 4 ♜c3! a3 5 ♜x a5 a2+ 6 ♜a1! (6 ♜b2? a1(♛)! 7 ♜x a1 ♜c2 wins) 6... ♜c2 7 ♜x c3 ♜x c3 =. **(10 MARKS)**
- 414** 1 ♜g8 (1 g7? or 1 ♜g8? is met by 1... ♜e6+ =; 1 ♜f6? ♜e8 2 h4 ♜x g6 3 ♜x g6 =) 1... ♜e6+ (1... ♜f5 2 g7! ♜x h7+ 3 ♜h8 ♜g6 4 h4! ♜h6 5 h5 wins) 2 ♜h8! (2 ♜f8? ♜f5 3 ♜f7 ♜g5 4 ♜g7 ♜h4 5 ♜h6 ♜x g6 =) 2... ♜f5 3 g7! ♜x h7 4 h3! (4 h4? ♜g6 5 h5+ ♜h6 =) ... ♜g6 5 h4 ♜h6 6 h5 wins. **(15 MARKS)**

Total Marks Available **50**

Your Score _____

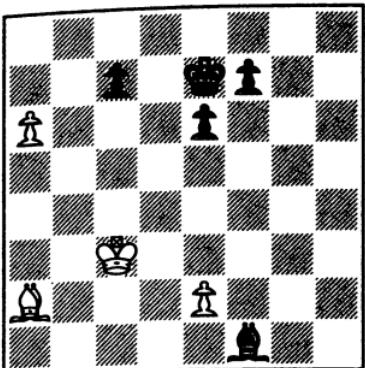
Your Percentage _____

Your Rating _____

Test 70

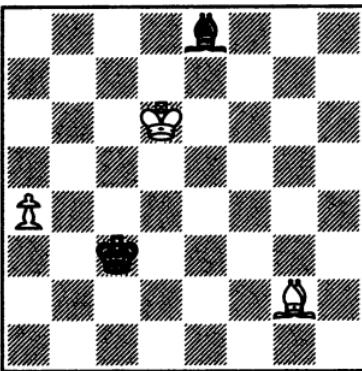
Time Allowed 120 minutes

415 F. Bondarenko and
A. Kakovin, 1955



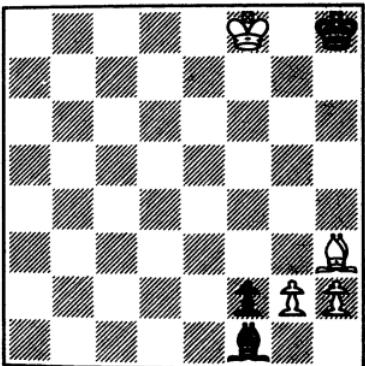
White wins

416 G. Nadareishvili, 1964



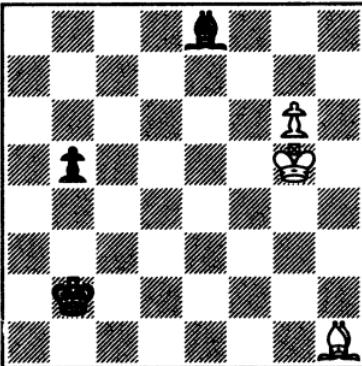
White wins

417 V. Chekhover, 1954



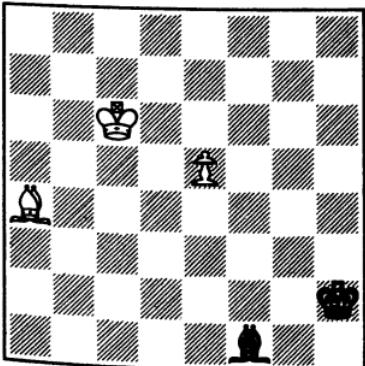
Draw

418 Zh. Biuzandian, 1957



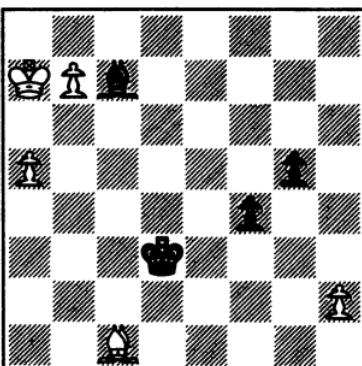
White wins

419 L. Olmutsky, 1961



White wins

420 O. Duras, 1911



White wins

Solutions to Test 70

- 415** 1 $\mathbb{Q}d5!$ $\mathbb{Q}e2$ 2 $a7 \mathbb{Q}g2$ 3 $e4!$ ($3 a8(\mathbb{W})? d4+!$ or $3 \mathbb{Q}d4? c5+ 4 \mathbb{Q}e5 d4 5 e4$ de wins) 3 ... $\mathbb{Q}xe4$ 4 $\mathbb{Q}d4$ $c5+ 5 \mathbb{Q}e5!$ $f6+$ 6 $\mathbb{Q}f4!$ wins. **(10 MARKS)**
- 416** 1 $a5 \mathbb{Q}b4$ (1... $\mathbb{Q}b5$ 2 $\mathbb{Q}c5$ $\mathbb{Q}a6$ 3 $\mathbb{Q}h3 \mathbb{Q}b3$ 4 $\mathbb{Q}d7 \mathbb{Q}a3$ 5 $\mathbb{Q}b6$ wins) 2 $a6 \mathbb{Q}b5$ 3 $a7 \mathbb{Q}c6!$ 4 $\mathbb{Q}xc6+$ $\mathbb{Q}b6$ 5 $a8(\mathbb{E})+!$ wins. **(10 MARKS)**
- 417** 1 $\mathbb{Q}e7 \mathbb{Q}g7$ 2 $\mathbb{Q}d6$ (2 $\mathbb{Q}d8 \mathbb{Q}f6$ 3 $\mathbb{Q}c7 \mathbb{Q}g5$ 4 $\mathbb{Q}d6 \mathbb{Q}h4$ 5 $\mathbb{Q}d7 \mathbb{Q}xg2$ 6 $\mathbb{Q}b5 \mathbb{Q}h3$ wins) 2 ... $\mathbb{Q}f6$ 3 $\mathbb{Q}c5 \mathbb{Q}e5$ 4 $\mathbb{Q}b6 \mathbb{Q}d6$ (4... $\mathbb{Q}d4$ 5 $\mathbb{Q}a7(c7) \mathbb{Q}e3$ 6 $\mathbb{Q}b6 \mathbb{Q}d2$ 7 $\mathbb{Q}c5 \mathbb{Q}e1$ 8 $\mathbb{Q}d4 \mathbb{Q}e2$ 9 $g3 \mathbb{Q}f1$ 10 $\mathbb{Q}d7 \mathbb{Q}g2$ 11 $\mathbb{Q}b5 \mathbb{Q}f3$ 12 $\mathbb{Q}e3$) 5 $\mathbb{Q}a7 \mathbb{Q}c7$ 6 $\mathbb{Q}a8 \mathbb{Q}b6$ 7 $\mathbb{Q}b8 \mathbb{Q}c5$ 8 $\mathbb{Q}c7 \mathbb{Q}d4$ 9 $\mathbb{Q}d6 \mathbb{Q}e3$ 10 $\mathbb{Q}e5 \mathbb{Q}d2$ 11 $\mathbb{Q}d4 \mathbb{Q}e1$ 12 $\mathbb{Q}e3=$. **(25 MARKS)**
- 418** 1 $g7 \mathbb{Q}f7$ 2 $\mathbb{Q}c6!$ (2 $\mathbb{Q}f6 \mathbb{Q}g8$ 3 $\mathbb{Q}e7 b4$ 4 $\mathbb{Q}f8 \mathbb{Q}c4$ 5 $\mathbb{Q}e4 b3$ 6 $\mathbb{Q}g6 \mathbb{Q}a1=$) 2... $b4$ 3 $\mathbb{Q}e8 \mathbb{Q}g8$ 4 $\mathbb{Q}g6 b3$ 5 $\mathbb{Q}f7 \mathbb{Q}a1(a3)$ 6 $\mathbb{Q}xg8 b2$ 7 $\mathbb{Q}a2!$ wins. **(15 MARKS)**
- 419** 1 $e6 \mathbb{Q}c4$ 2 $e7 \mathbb{Q}f7$ 3 $\mathbb{Q}d6 \mathbb{Q}g3$ 4 $\mathbb{Q}e5 \mathbb{Q}h5$ 5 $\mathbb{Q}f5 \mathbb{Q}h4$ 6 $\mathbb{Q}f6 \mathbb{Q}g3$ 7 $\mathbb{Q}g5 \mathbb{Q}f7$ 8 $\mathbb{Q}d7 \mathbb{Q}f2$ 9 $\mathbb{Q}f6 \mathbb{Q}h5$ 10 $\mathbb{Q}g7 \mathbb{Q}e3$ 11 $\mathbb{Q}f8 \mathbb{Q}f4$ 12 $\mathbb{Q}e6 \mathbb{Q}e5$ 13 $\mathbb{Q}f7$ wins. **(15 MARKS)**
- 420** 1 $\mathbb{Q}a3 \mathbb{Q}c4$ 2 $\mathbb{Q}e7 f3$ 3 $\mathbb{Q}d8 \mathbb{Q}xh2$ 4 $\mathbb{Q}b6 \mathbb{Q}b5$ 5 $a6 g4$ 6 $\mathbb{Q}f2 \mathbb{Q}c7$ 7 $b8(\mathbb{W})+!$ $\mathbb{Q}xb8$ 8 $\mathbb{Q}b7 \mathbb{Q}a5$ 9 $\mathbb{Q}h4 \mathbb{Q}b5$ 10 $\mathbb{Q}e1 g3$ 11 $\mathbb{Q}xg3$ 12 $a7 f2$ 13 $a8(\mathbb{W})$ $f1(\mathbb{W})$ 14 $\mathbb{Q}a6+$ and wins. **(25 MARKS)**

Total Marks Available	100
Your Score	_____
Your Percentage	_____
Your Rating	_____

eight

QUEEN ENDINGS

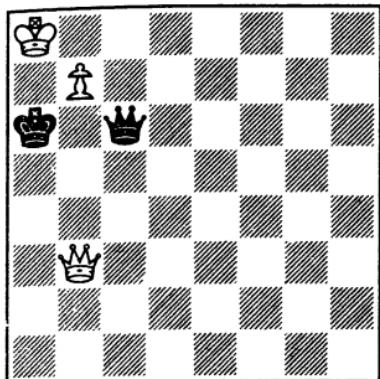
These occur relatively rarely in practice. As a result, fairly simple theoretical questions on the status and correct method of playing different positions with queen and pawn against queen went unanswered for a long time. However, with the advent of the use of databases, a great deal is now known about ♕+P v ♕.

Unsurprisingly, study composers have also been shy of

this material balance. When working through the material we recommend the reader to pay special attention to space advantages which can often lead to a win. The manœuvrability of the queen increases as the amount of material on the board diminishes. And when one can manœuvre, a space advantage is often of great importance.

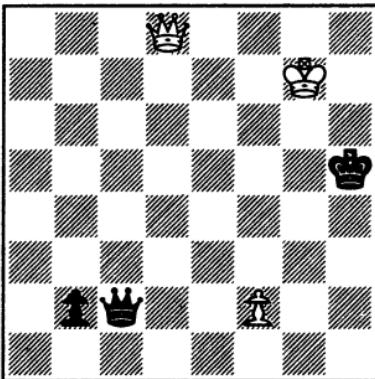
Test 71*Time Allowed 90 minutes*

421 L. van Vliet, 1888



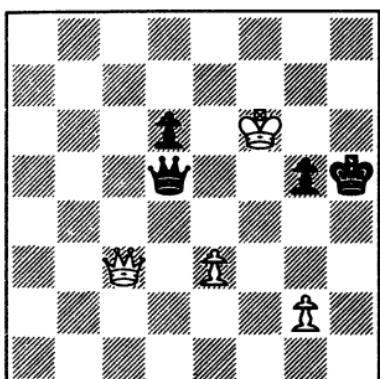
White wins

422 H. Rinck, 1938



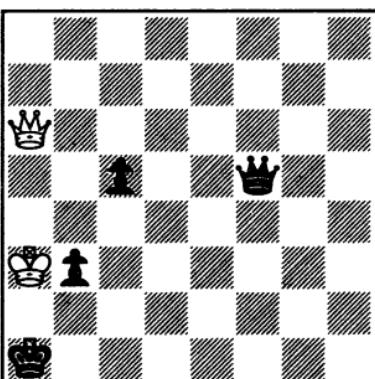
White wins

423 L. Prokes, 1947



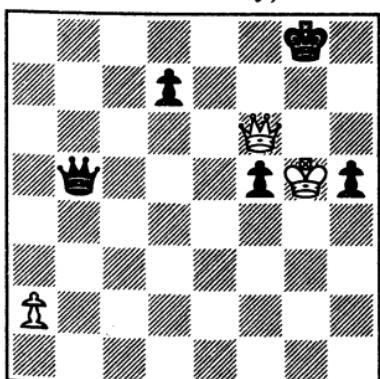
White wins

424 I. Berger, 1922



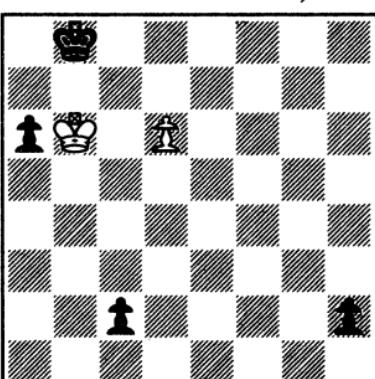
White wins

425 A. Troitsky, 1930



White wins

426 A. Herbstmann, 1936



White wins

Solutions to Test 71

- 421** 1 $\mathbb{W}b4!$ $\mathbb{W}d5(f3)$ 2 $\mathbb{W}a4+$ $\mathbb{W}b6$ 3 $\mathbb{W}b3+$ $\mathbb{W}\times b3$ 4 $b8(\mathbb{W})+$ and wins.
If 1... $\mathbb{W}g2$ 2 $\mathbb{W}a3+$ $\mathbb{W}b6$ 3 $\mathbb{W}b2$ wins, or 2... $\mathbb{W}h1$ 2 $\mathbb{W}a3+$ $\mathbb{W}b6$
3 $\mathbb{W}b2+$ $\mathbb{W}c7$ 4 $\mathbb{W}h2+$ wins. **(10 MARKS)**
- 422** 1 $\mathbb{W}d5+$ $\mathbb{W}h4$ 2 $\mathbb{W}h1+$ $\mathbb{W}g4$ 3 $\mathbb{W}g2+$ $\mathbb{W}h4$ (3... $\mathbb{W}f4$ 4 $\mathbb{W}g3$ wins)
4 $\mathbb{W}h2+$ wins. 4... $\mathbb{W}g5(g4)$ 5 $f4+(f3+)$. **(5 MARKS)**
- 423** 1 e4 $\mathbb{W}\times e4$ 2 $\mathbb{W}h3+$ $\mathbb{W}h4$ 3 g4+ $\mathbb{W}h6$ 4 $\mathbb{W}\times h4+$ wins. **(5 MARKS)**
- 424** 1 $\mathbb{W}e2$ $\mathbb{W}b1$ 2 $\mathbb{W}e5+$ b2 3 $\mathbb{W}d5!$ wins. **(5 MARKS)**
- 425** 1 $\mathbb{W}g6$ $\mathbb{W}c6$ 2 $\mathbb{W}\times c6$ dc 3 a4 f4 4 a5 f3 5 a6 f2 6 a7 f1(\mathbb{W}) 7 a8(\mathbb{W})
 $\mathbb{W}f8$ 8 $\mathbb{W}a2+$ $\mathbb{W}h8$ 9 $\mathbb{W}b2+$ $\mathbb{W}g8$ 10 $\mathbb{W}b3+$ $\mathbb{W}h8$ 11 $\mathbb{W}c3+$ $\mathbb{W}g8$ 12
 $\mathbb{W}c4+$ $\mathbb{W}h8$ 13 $\mathbb{W}d4+$ $\mathbb{W}g8$ 14 $\mathbb{W}d7!$ wins. **(10 MARKS)**
- 426** 1 d7 c1(\mathbb{W}) 2 d8(\mathbb{W})+ $\mathbb{W}c8$ 3 $\mathbb{W}d6+$ $\mathbb{W}a8$ 4 $\mathbb{W}d5+$ $\mathbb{W}b8$ 5 $\mathbb{W}e5+$ $\mathbb{W}a8$
6 $\mathbb{W}e4+$ $\mathbb{W}b8$ 7 $\mathbb{W}f4+$ $\mathbb{W}a8$ 8 $\mathbb{W}f3+$ $\mathbb{W}b8$ 9 $\mathbb{W}g3+$ $\mathbb{W}a8$ 10 $\mathbb{W}g2+$
 $\mathbb{W}b8$ 11 $\mathbb{W}\times h2+$ $\mathbb{W}a8$ 12 $\mathbb{W}g2+$ $\mathbb{W}b8$ 13 $\mathbb{W}g3+$ $\mathbb{W}a8$ 14 $\mathbb{W}f3+$ $\mathbb{W}b8$
15 $\mathbb{W}f4+$ $\mathbb{W}a8$ 16 $\mathbb{W}e4+$ $\mathbb{W}b8$ 17 $\mathbb{W}e7$ wins. **(15 MARKS)**

Total Marks Available **50**

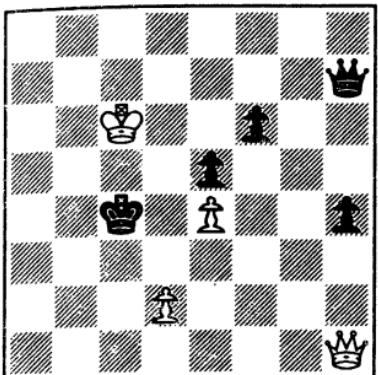
Your Score _____

Your Percentage _____

Your Rating _____

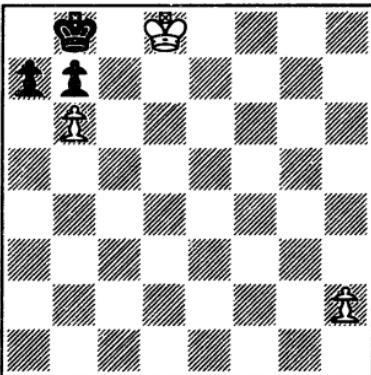
Test 72 *Time Allowed 90 minutes*

427 H. Rinck, 1906



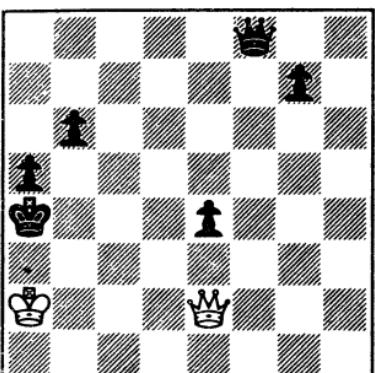
White wins

428 D. Joseph, 1922



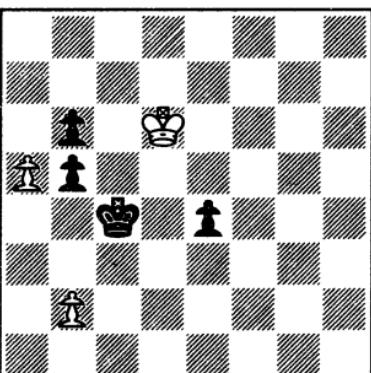
White wins

429 A. Ojanen, 1943



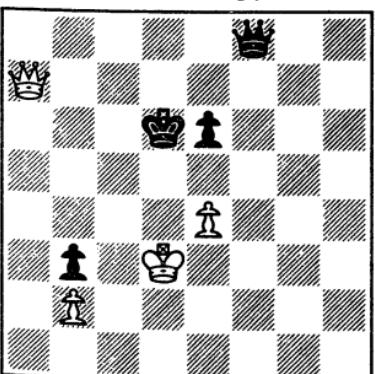
White wins

430 L. Kubbel, 1927



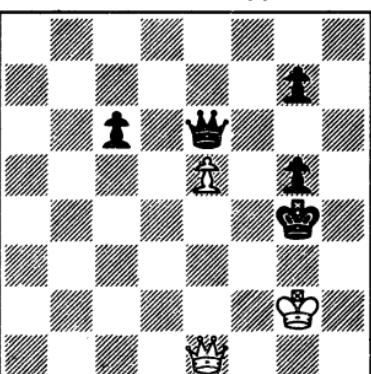
White wins

431 F. Prokop, 1928



White wins

432 A. Troitsky, 1899



White wins

Solutions to Test 72

- 427 1 $\mathbb{W}b1$ $\mathbb{B}d4$ 2 $\mathbb{W}b3!$ $\mathbb{W}e4+$ 3 $\mathbb{B}d6$ $\mathbb{W}a8$ 4 $\mathbb{W}e3+$ $\mathbb{B}c4$ 5 $\mathbb{W}c3+$ $\mathbb{B}b5$ 6 $\mathbb{W}b3+$ $\mathbb{B}a6$ 7 $\mathbb{W}a4+$ $\mathbb{B}b7$ 8 $\mathbb{W}b5+$ $\mathbb{B}a7$ 9 $\mathbb{B}c7$ wins. **(10 MARKS)**
- 428 1 h4 a5 2 h5 a4 3 h6 a3 4 h7 a2 5 h8(\mathbb{W}) a1(\mathbb{W}) 6 $\mathbb{W}g8$ $\mathbb{W}a2$ 7 $\mathbb{W}e8$ $\mathbb{W}a4$ 8 $\mathbb{W}e5+$ $\mathbb{B}a8$ 9 $\mathbb{W}h8+$ wins. If 6 $\mathbb{W}e8?$ $\mathbb{W}g7.$ **(5 MARKS)**
- 429 1 $\mathbb{W}c4+$ $\mathbb{W}b4$ 2 $\mathbb{W}c6+$ $\mathbb{B}b5$ 3 $\mathbb{W}x e4+$ $\mathbb{W}b4$ 4 $\mathbb{W}d3!$ g6 5 $\mathbb{W}d7+$ $\mathbb{W}b5$ 6 $\mathbb{W}d4+$ $\mathbb{B}b4$ 7 $\mathbb{W}d3$ g5 8 $\mathbb{W}d7+$ $\mathbb{B}b5$ 9 $\mathbb{W}d4+$ $\mathbb{B}b4$ 10 $\mathbb{W}d3$ g4 11 $\mathbb{W}d7+$ $\mathbb{B}b5$ 12 $\mathbb{W}x g4+$ $\mathbb{B}b4$ 13 $\mathbb{W}d7+$ $\mathbb{B}b5$ 14 $\mathbb{W}d4+$ $\mathbb{B}b4$ 15 $\mathbb{W}d3$ wins. **(10 MARKS)**
- 430 1 a6 e3 2 a7 e2 3 a8(\mathbb{W}) e1(\mathbb{W}) 4 $\mathbb{W}d5+$ $\mathbb{B}b4$ 5 $\mathbb{W}d3$ $\mathbb{W}c1$ 6 $\mathbb{W}a3+$ and 7 b3+. If 5 ... $\mathbb{W}a1$ 6 $\mathbb{W}c3+.$ **(10 MARKS)**
- 431 1 $\mathbb{W}b6+$ (1 $\mathbb{W}a3+$ $\mathbb{B}e5=)$ 1 ... $\mathbb{W}d7$ 2 $\mathbb{W}b7+$ $\mathbb{B}d6$ 3 $\mathbb{W}b4+$ $\mathbb{B}e5$ 4 $\mathbb{W}d4+$ $\mathbb{B}f4$ 5 $\mathbb{W}f2+$ $\mathbb{B}e5$ 6 $\mathbb{W}h2+$ $\mathbb{W}f4$ 7 $\mathbb{W}h8+$ and wins. **(10 MARKS)**
- 432 1 $\mathbb{W}e4+$ $\mathbb{B}h5$ 2 $\mathbb{W}h7+$ $\mathbb{W}h6$ 3 $\mathbb{W}f5$ c5 4 e6 c4 5 e7 $\mathbb{W}c6+$ 6 $\mathbb{W}f3+$ and wins. **(5 MARKS)**

Total Marks Available **50**

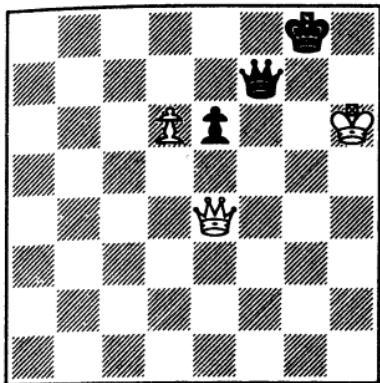
Your Score _____

Your Percentage _____

Your Rating _____

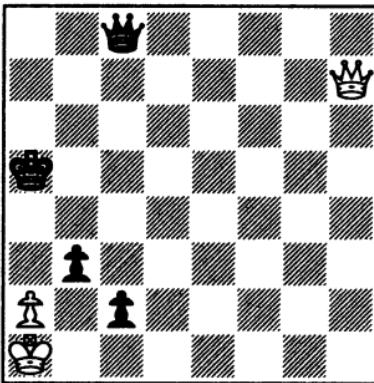
Test 73 Time Allowed 100 minutes

433 B. Horwitz and
I. Kling, 1851



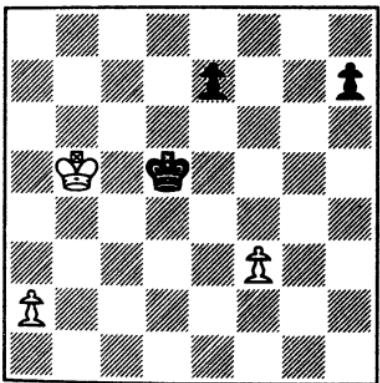
White wins

434 E. Pogosyants, 1967



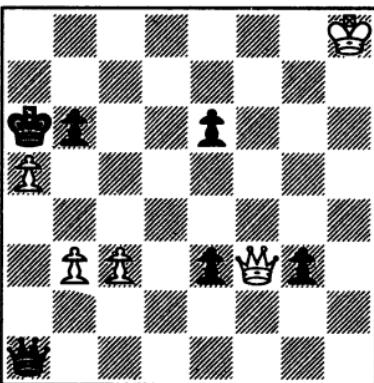
Draw

435 K. Kupchevsky, 1931



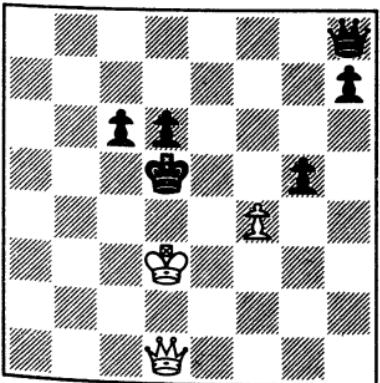
White wins

436 H. Rinck, 1906



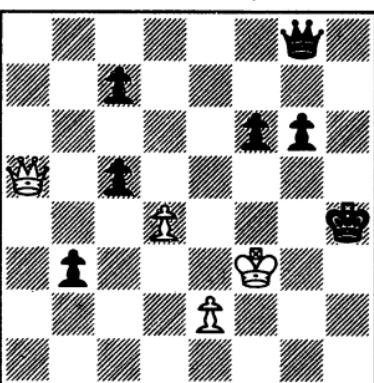
White wins

437 H. Rinck, 1909



White wins

438 H. Rinck, 1911



White wins

Solutions to Test 73

- 433** 1 $\mathbb{Q}g2+$ $\mathbb{Q}f8$ 2 $\mathbb{Q}a8+$ $\mathbb{Q}e8$ 3 $\mathbb{Q}b7$ $\mathbb{Q}d8$ (3... $\mathbb{Q}f7$ 4 $\mathbb{Q}c8+$ $\mathbb{Q}e8$ 5 $d7$ wins) 4 $\mathbb{Q}g6$ $\mathbb{Q}e8+$ 5 $\mathbb{Q}f6$ $\mathbb{Q}d8+$ 6 $\mathbb{Q}\times e6$ $\mathbb{Q}e8+$ 7 $\mathbb{Q}e7$ wins. **(10 MARKS)**
- 434** 1 $\mathbb{Q}h5+$ (1 $\mathbb{Q}a7+$ $\mathbb{Q}b5$ 2 $a4+$ $\mathbb{Q}c6$ wins) 1... $\mathbb{Q}a4$ 2 $\mathbb{Q}h4+$ $\mathbb{Q}g4!$ 3 $ab+$ (3 $\mathbb{Q}\times g4+$ $\mathbb{Q}a3$ 4 $\mathbb{Q}a4+$ $\mathbb{Q}\times a4$ 5 $ab+$ $\mathbb{Q}a3$ wins, or 5 $\mathbb{Q}b2$ ba 6 $\mathbb{Q}\times a2$ $c1(\mathbb{Q})$ wins) 3... $\mathbb{Q}\times b3$ 4 $\mathbb{Q}h3+!=$. **(10 MARKS)**
- 435** 1 $a4$ $\mathbb{Q}d6$ 2 $\mathbb{Q}b6$ $\mathbb{Q}d7$ 3 $\mathbb{Q}b7$ $h5$ 4 $a5$ $h4$ 5 $a6$ $h3$ 6 $a7$ $h2$ 7 $a8(\mathbb{Q})$ $h1(\mathbb{Q})$ 8 $\mathbb{Q}c8+$ $\mathbb{Q}d6$ 9 $\mathbb{Q}c6+$ $\mathbb{Q}e5$ 10 $f4+$ and wins. **(10 MARKS)**
- 436** 1 $\mathbb{Q}c6$ $\mathbb{Q}\times a5$ 2 $\mathbb{Q}a8+$ $\mathbb{Q}b5$ 3 $\mathbb{Q}c8$ $\mathbb{Q}a1$ (3... $\mathbb{Q}a2$ 4 $\mathbb{Q}c4+$ $\mathbb{Q}a5$ 5 $b4+$ or 3... $\mathbb{Q}a3$ 4 $\mathbb{Q}e8+$ $\mathbb{Q}a6(c5)$ 5 $\mathbb{Q}a8+(f8+)$ wins) 4 $\mathbb{Q}c4+$ $\mathbb{Q}a5$ 5 $b4+$ $\mathbb{Q}a4$ 6 $\mathbb{Q}a6+$ wins. **(10 MARKS)**
- 437** 1 $\mathbb{Q}a4$ $\mathbb{Q}e6$ 2 $f5+$ $\mathbb{Q}e7(f7)$ 3 $\mathbb{Q}a7+$ $\mathbb{Q}f8$ 4 $\mathbb{Q}b8+$ $\mathbb{Q}g7$ 5 $f6+$. If 2... $\mathbb{Q}\times f5$ 3 $\mathbb{Q}e4+$ $\mathbb{Q}f6$ 4 $\mathbb{Q}d4+$ wins. **(5 MARKS)**
- 438** 1 $\mathbb{Q}e1+$ $\mathbb{Q}g5$ 2 $\mathbb{Q}c1+$ $\mathbb{Q}h5$ 3 $\mathbb{Q}h1+$ $\mathbb{Q}g5$ 4 $\mathbb{Q}g3$ cd 5 $e4!$ de 6 $\mathbb{Q}h4+$ $\mathbb{Q}f5$ 7 $\mathbb{Q}f4+$ $\mathbb{Q}e6$ 8 $\mathbb{Q}c4+$ wins the queen. **(5 MARKS)**

Total Marks Available **50**

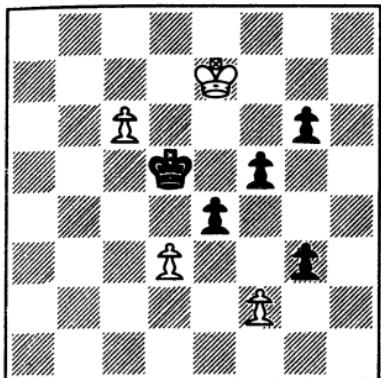
Your Score _____

Your Percentage _____

Your Rating _____

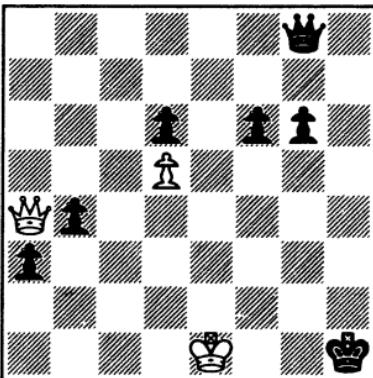
Test 74*Time Allowed 150 minutes*

439 L. Prokes, 1948



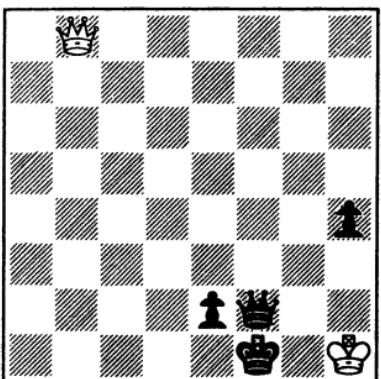
White wins

440 H. Rinck, 1912



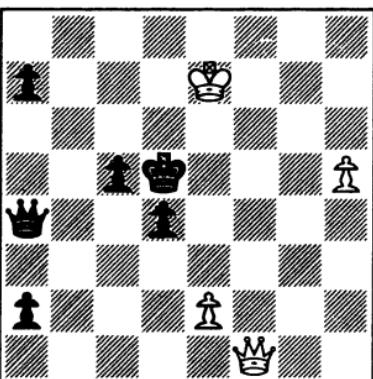
White wins

441 M. Havel, 1947



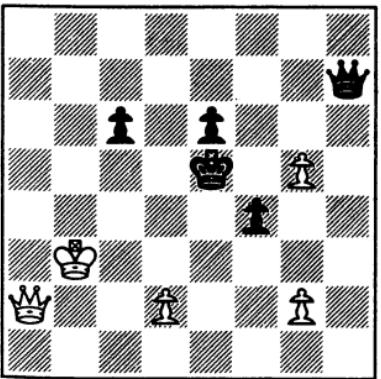
Draw

442 H. Rinck, 1909



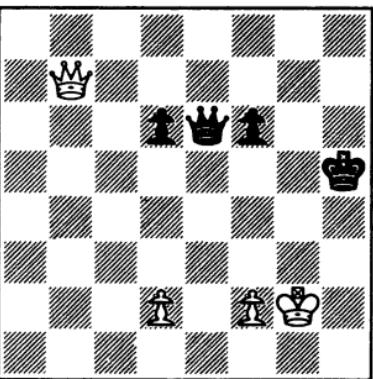
White wins

443 A. Troitsky, 1896



White wins

444 L. Prokes, 1947



White wins

Solutions to Test 74

- 439 1 c7 g2 (1... gf2 c8(+) f1(+) 3 ♜c4+ ♜e5 4 d4+ wins) 2 c8(+) g1(+) 3 ♜c4+ ♜e5 4 ♜c5+ ♜f4 5 ♜e3+ ♜g4 (5... ♜e5 6 f4+) 6 f3+ wins the queen. **(15 MARKS)**
- 440 1 ♜d1 ♜h2 2 ♜f2 ♜h3 3 ♜f3 ♜h4 4 ♜h1+ ♜g5 5 ♜g3 ♜f5 6 ♜f3+ ♜e5 7 ♜e3+ ♜xd5 8 ♜b3+ wins the queen. **(10 MARKS)**
- 441 1 ♜f4 e1(+) (1... e1(+)) 2 ♜c4+= 2 ♜c4+ ♜e2 3 ♜f4 ♜f3 4 ♜d2 ♜d4 5 ♜f4+ ♜f2 6 ♜c1+ ♜e1 7 ♜f4+ ♜e2 8 ♜g2 ♜c2 9 ♜f3+ ♜d2 10 ♜h3 ♜c1 11 ♜f4 ♜e3 12 ♜c7+=. **(15 MARKS)**
- 442 1 ♜f7+ ♜e5 2 ♜f6+ ♜e4 3 ♜f3+ ♜e5 4 e4 de (4... d3 5 ♜f6+ ♜xe4 6 ♜h4+ ♜e3 7 ♜xa4 wins. If 4... ♜e8+ 5 ♜xe8 a1(+) 6 ♜e7 d3 7 ♜f6+ wins) 5 ♜f6+ ♜d5 (5... ♜e4 6 ♜h4+ ♜f3 7 ♜xa4 e2 8 ♜a5 wins) 6 ♜e6+ ♜d4 7 ♜g4+ ♜c3 8 ♜xa4 ♜b2 9 ♜b5+ ♜-any 10 ♜xc5(+) and wins. **(25 MARKS)**
- 443 1 d4+! ♜xd4 (1... ♜d5 2 ♜a5+ ♜e4 3 ♜el+ ♜xd4 4 ♜c3+ ♜d5 5 ♜c4+, or 1... ♜d6 2 ♜a3+ ♜d5 3 ♜c5+ and wins) 2 ♜f2+ ♜d5 3 ♜d2+ ♜c5 4 ♜b4+ ♜d5 5 ♜c4+ ♜d6 (5... ♜e5 6 ♜c5+ ♜e4 7 ♜c2+) 6 ♜d4+ ♜-any 7 ♜a7+ wins the queen. **(20 MARKS)**
- 444 1 ♜h7+ ♜g5 2 f4 ♜xf4 3 ♜h6+ ♜e4 4 ♜e3+ ♜f5 (4... ♜d5 5 ♜b3+ ♜e5 6 d4 ♜f5 7 ♜h3+) 5 ♜h3+ ♜e5 6 d4+ ♜d5 7 ♜b3+ wins the queen. **(15 MARKS)**

Total Marks Available	100
Your Score	_____
Your Percentage	_____
Your Rating	_____

ROOK ENDINGS

In practical play the most common type of ending to arise is that with rooks. These have been pretty thoroughly investigated with many articles and whole books devoted to them. Study composers have also made a significant contribution to this field. The authors are well aware that in a smallish chapter it is difficult to demonstrate all aspects of rook endings. Instead, the most common devices and manœuvres have been examined.

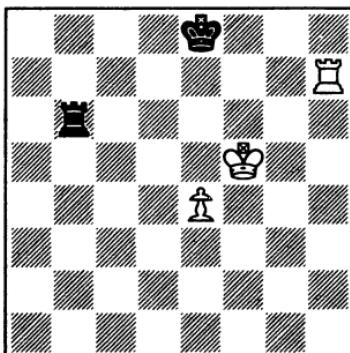
If the reader has serious problems solving an example, we recommend that he does not 'resign'. He should check the study carefully and then go over the solution. A few days later he should come back to the study and try to reproduce the solution. As a result, the solution should be reinforced in the reader's mind.

In studies as in rook endings there are many manœuvres which recur frequently. This is probably the type of endgame in which studies are closest to practical play.

François-André Danican Philidor (1726-95) was the strongest chessplayer of the

18th century. Anybody who has studied the endgame must surely have met this position:

F-A. D. Philidor



Draw

In this position Black draws irrespective of whose move it is:

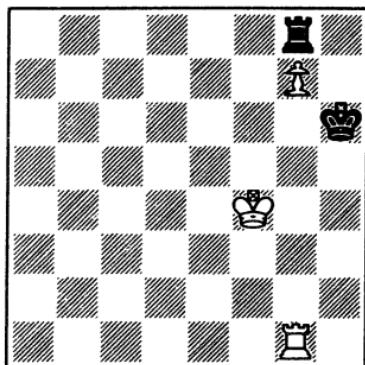
1. ... $\mathbb{R}a6$ 2. $e5$ $\mathbb{R}b6$ 3. $e6$ $\mathbb{R}b1!$ 4. $\mathbb{R}f6$ $\mathbb{R}f1+$ 5. $\mathbb{R}e5$ $\mathbb{R}e1+$ 6. $\mathbb{R}d6$ $\mathbb{R}d1+$ etc. or 4. $e7$ $\mathbb{R}e1$ 5. $\mathbb{R}f6$ $\mathbb{R}e6+$! 6. $\mathbb{R}\times e6$ stalemate.

Many strong over-the-board chessplayers have composed rook ending studies. These include ex-World Champions Lasker and Smyslov, grandmasters Reti, Keres, Averbakh and a lot of other famous masters.

Let us now examine the ending by Horwitz which can hardly fail to impress a chess-

player of any strength from rank beginner to Grandmaster.

B. Horwitz, 1882

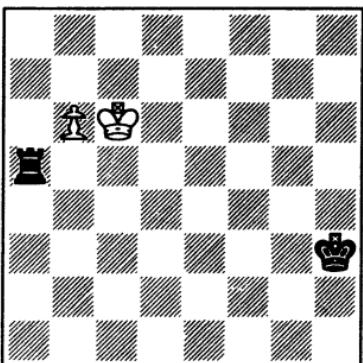


White wins

Solution: 1 ♕f5! ♔h7 (1... ♘xg7 2 ♘h1 mate) 2 ♕f6 ♘a8 3 g8(♕)+!! ♘xg8 4 ♘h1 mate.

Below is a position by Saavedra which any student of chess composition will know. It is interesting to recount how the position bearing Saavedra's name arose. In a game Fenton v Potter the following position was reached:

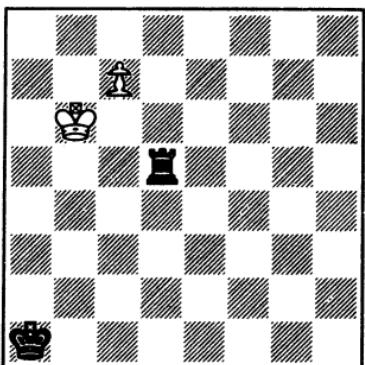
Fenton v Potter



White to move

Here 1 b7 wins, but the game was agreed drawn at White's proposal! In March 1895 Potter died and on 27th April 1895

Barbier published the diagram below initially with the black king on h6 in his column in the *Glasgow Weekly Citizen*. On 4th May he amended it stating that with the black king on a1 there was a neat draw.

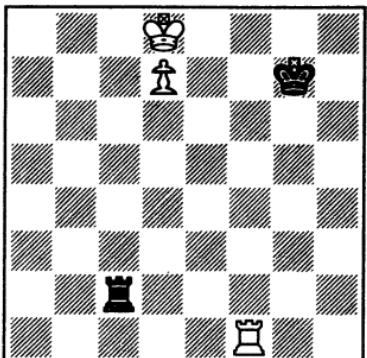


Black to move

1 ... ♘d6+ 2 ♕b5 ♘d5+ 3 ♕b4 ♘d4+ 4 ♕b3 ♘d3+ 5 ♕c2 ♘d4! 6 c8(♕) ♘c4+! 7 ♘xc4 stalemate.

But a reader F. Saavedra, a monk, wrote in to point out that the underpromotion 6 c8(♕)!! ♘a4 7 ♕b3 wins and this was published on 18th May 1895. Thus Brother Saavedra became the eponymous hero of this fascinating position.

L. Lucena 1497



White wins

This is the Lucena position attributed to Luis Ramirez Lucena in his book in 1497, but actually first published by Salvio in 1634 who attributed it to a certain Scipione Genovino.

There are two winning methods:

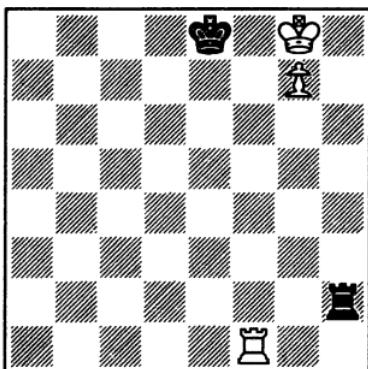
(i) 1 $\mathbb{B}a1$ (*No good is 1 $\mathbb{B}e7$*
 $\mathbb{B}e2+$ 2 $\mathbb{B}d6$ $\mathbb{B}d2+$ 3 $\mathbb{B}c6$ $\mathbb{B}c2+$
 4 $\mathbb{B}b5$ $\mathbb{B}b2+$ 5 $\mathbb{B}c4$ $\mathbb{B}d2)$ 1...
 $\mathbb{B}f7$ 2 $\mathbb{B}a8$ $\mathbb{B}c1$ (2... $\mathbb{B}e6$ 3 $\mathbb{B}e8$
 $\mathbb{B}h2$ 4 $\mathbb{B}a6+)$ 3 $\mathbb{B}c8$ $\mathbb{B}d1$ 4 $\mathbb{B}c7$
 $\mathbb{B}c1+$ 5 $\mathbb{B}b6$ and after a few checks the white king approaches the black rook when $d8(\mathbb{W})$ wins.

(ii) 1 $\mathbb{B}f4$ $\mathbb{B}c1$ 2 $\mathbb{B}e7$ $\mathbb{B}e1+$
 3 $\mathbb{B}d6$ $\mathbb{B}d1+$ 4 $\mathbb{B}e6$ $\mathbb{B}e1+$ (4...
 $\mathbb{B}d2$ 5 $\mathbb{B}f5$ and then 6 $\mathbb{B}d5)$
 5 $\mathbb{B}d5$ $\mathbb{B}d1+$ 6 $\mathbb{B}d4$. The second method is known in chess literature as "building a bridge".

In the following example we have a setting by Salvio in which only the second method works.

1... $\mathbb{B}e7$ (*Completely bad is*
 1... $\mathbb{B}e2$ 2 $\mathbb{B}h1$ and then

Salvio, 1634



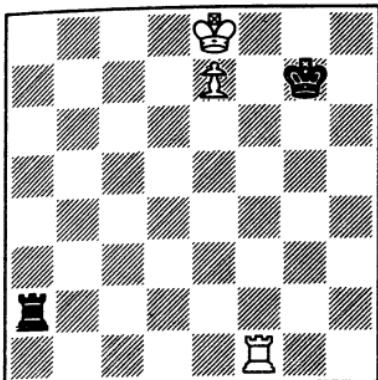
White wins

3 $\mathbb{B}h7$. If, for example, 2... $\mathbb{B}g2$
 3 $\mathbb{B}h7$ $\mathbb{B}f7$ 4 $\mathbb{B}g8(\mathbb{W})+$ $\mathbb{B}xg8$
 5 $\mathbb{B}f1+$) 2 $\mathbb{B}e1+$ $\mathbb{B}d7$ 3 $\mathbb{B}e4$ (preparing 4 $\mathbb{B}f7$) 3... $\mathbb{B}h1$ 4 $\mathbb{B}f7$
 $\mathbb{B}f1+$ 5 $\mathbb{B}g6$ $\mathbb{B}g1+$ 6 $\mathbb{B}f6$ $\mathbb{B}g2$
 (Or 6... $\mathbb{B}f1+$ 7 $\mathbb{B}g5$ $\mathbb{B}g1+$ 8
 $\mathbb{B}g4$ and wins. If 6... $\mathbb{B}d6$ then
 7 $\mathbb{B}d4+$ $\mathbb{B}c7$ 8 $\mathbb{B}d5$ or 7... $\mathbb{B}c6$ 8
 $\mathbb{B}d8$ $\mathbb{B}f1+$ 9 $\mathbb{B}e5$ $\mathbb{B}e1+$ 10 $\mathbb{B}f4$) 7
 $\mathbb{B}e5!$ $\mathbb{B}f2+$ (Or 7... $\mathbb{B}g1$ 8 $\mathbb{B}g5$
 and wins) 8 $\mathbb{B}g6$ $\mathbb{B}g2+$ 9 $\mathbb{B}g5$.

Finally we should reiterate that by working through the chapter the reader will certainly be helped in his mastery of the endgame.

Test 75*Time Allowed 90 minutes*

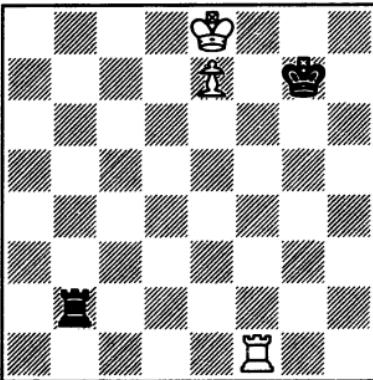
445 N. Grigoriev, 1937



Black to move – draw

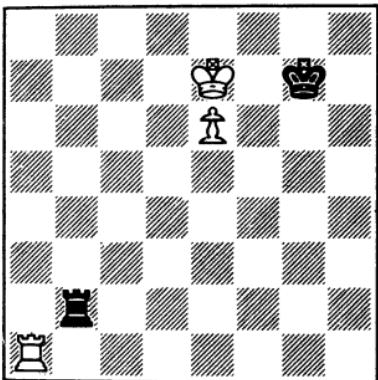
446 N. Grigoriev, 1937

446 N. Grigoriev, 1937



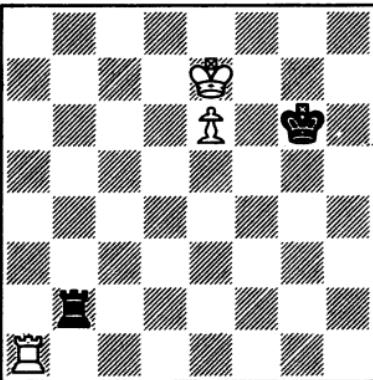
Black to move – White wins

447 N. Grigoriev, 1937

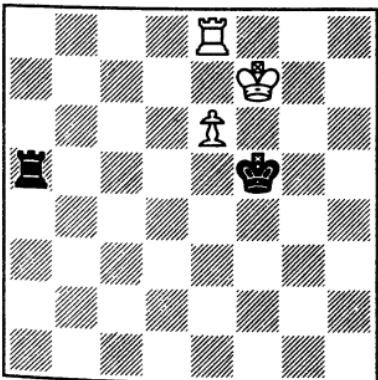


Black to move – draw

448 N. Grigoriev, 1937

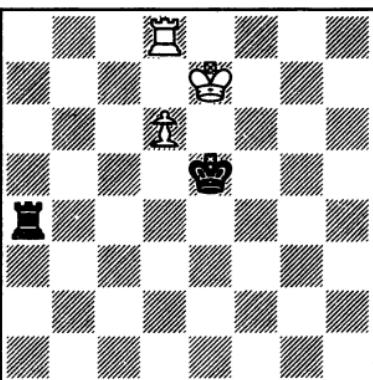


Black to move – White wins

449 B. Horwitz
and J. Kling, 1890

Black to move – draw

450 N. Kopayev, 1958



Black to move – draw

Solutions to Test 75

- 445 1... ♜a8+ 2 ♜d7 ♜a7+ 3 ♜d6 ♜a6+ 4 ♜d5 ♜a5+ 5 ♜c6 ♜a6+
6 ♜b7 ♜e6 =. (5 MARKS)
- 446 1... ♜b8+ 2 ♜d7 ♜b7+ 3 ♜d6 ♜b8 (3... ♜b6+ 4 ♜c7 ♜e6
5 ♜d7) 4 ♜c7 ♜a8 5 ♜a1 ♜h8 6 ♜d7 wins. (10 MARKS)
- 447 1... ♜b7+ 2 ♜d6 ♜b6+ 3 ♜d7 ♜b7+ 4 ♜d8 (4 ♜c6 ♜b2! 5 ♜f1
爵a2! =) 4... ♜b8+ 5 ♜c7 ♜b2! 6 ♜f1 ♜a2! 7 e7 ♜a7+
draws. (10 MARKS)
- 448 1... ♜b7+ 2 ♜d8 ♜b8+ (2... ♜f6 3 e7) 3 ♜c7 ♜b2 4 ♜el!
爵c2+ 5 ♜d7 ♜d2+ 6 ♜e8 ♜a2 7 e7 wins. (10 MARKS)
- 449 1... ♜a6 2 e7 ♜f6+ 3 ♜g7 ♜g6 (3... ♜e6? 4 ♜f8) 4 ♜h7 ♜f6!=.
3 ♜c7 ♜c4+ (3... ♜h6? 4 ♜g8) =. (5 MARKS)
- 450 1... ♜h4! 2 ♜d7 ♜d5 (2... ♜h7+? 3 ♜c6 ♜h6 4 ♜e8 wins)
3 ♜c7 ♜c4+ (3... ♜h6? 4 ♜g8) =. (10 MARKS)

Total Marks Available

50

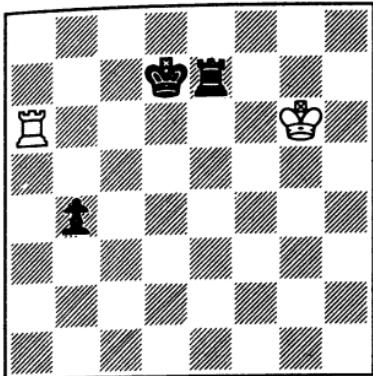
Your Score

Your Percentage

Your Rating

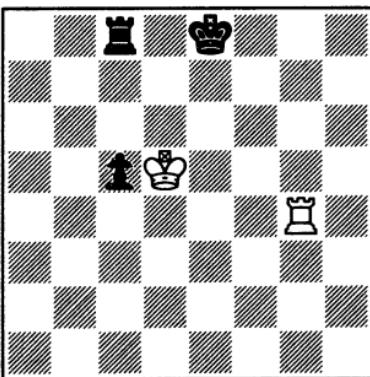
Test 76*Time Allowed 90 minutes*

451 V. Proskurovsky, 1964



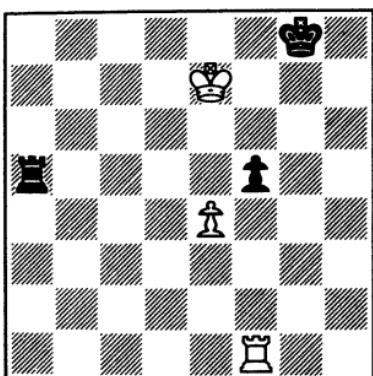
Draw

452 A. Studenetsky, 1939



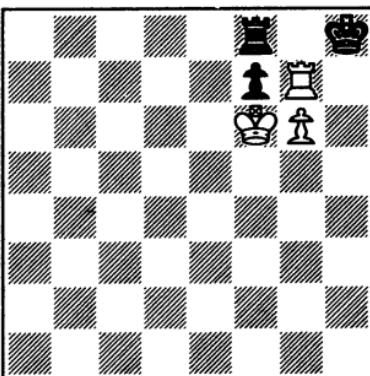
White wins

453 A. Selezniev, 1923



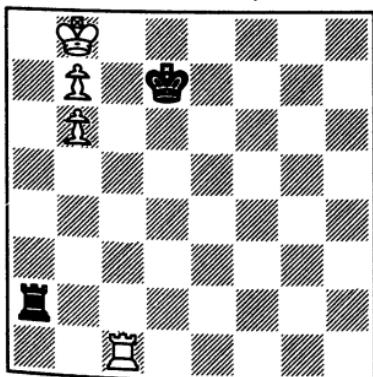
White wins

454 A. Selezniev, 1940



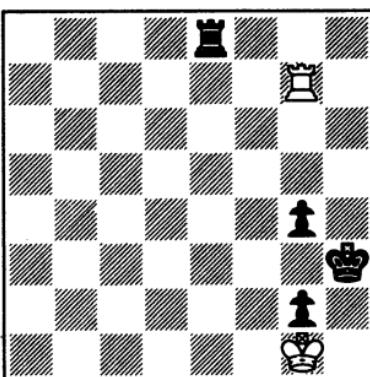
White wins

455 O. Duras, 1905



White wins

456 A. Salvio, 1634



Draw

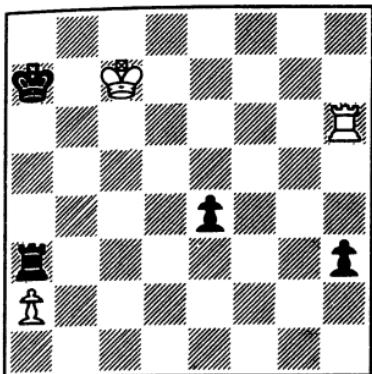
Solutions to Test 76

- 451 1 ♜f5 b3 2 ♜f4 b2 3 ♜b6 ♜e2 4 ♜f3 ♜c7 5 ♜b3 ♜h2 6 ♜e4 ♜c6
7 ♜d4 =. (5 MARKS)
- 452 1 ♜g8+ ♜d7 2 ♜g7+ ♜e8 3 ♜h7!! c4 4 ♜d6 ♜d8+ 5 ♜e6! wins.
(10 MARKS)
- 453 1 ♜g1+ (1 ef ♜a7+ or 1 ♜x f5 ♜a7+) 1... ♜h7 2 e5 (2 ♜f7?
♜a7+!) 2... ♜x e5 3 ♜f7 ♜h6 4 ♜f6! wins. (10 MARKS)
- 454 1 ♜h7+ (1 ♜x f7 ♜a8!=, or 1 gf ♜a8=) 1... ♜g8 2 g7! ♜x h7
3 gf(?)! wins. (10 MARKS)
- 455 1 ♜d1+ ♜e7 2 ♜d6!! ♜c2 3 ♜c6!! ♜x c6 4 ♜a7 wins.
(5 MARKS)
- 456 1 ♜h7+ ♜g3 2 ♜e7! ♜d8 3 ♜d7 (possible is 3 ♜e3+ ♜f4 4 ♜e2
♜f3 5 ♜f2+ ♜g3 6 ♜x g2+) 3... ♜a8 4 ♜a7=. (10 MARKS)

Total Marks Available	50
Your Score	_____
Your Percentage	_____
Your Rating	_____

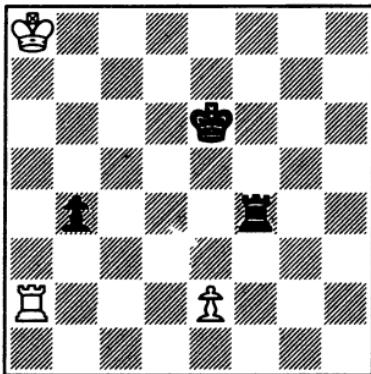
Test 77 Time Allowed 90 minutes

457 A. Herberg, 1960



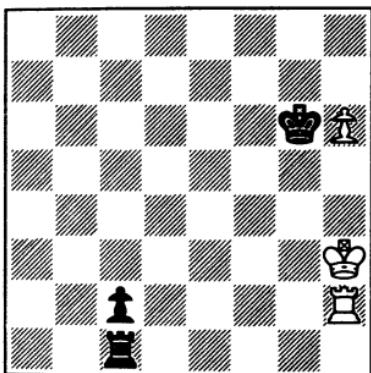
Draw

458 A. Herberg, 1962



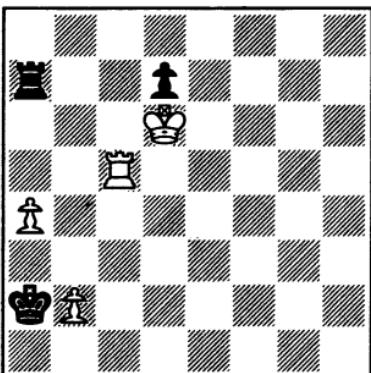
Draw

459 D. Gurgenidze, 1972



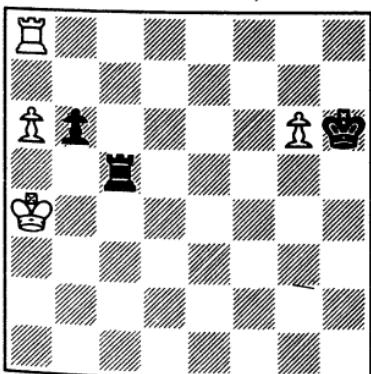
Draw

460 A. Herbstmann, 1931



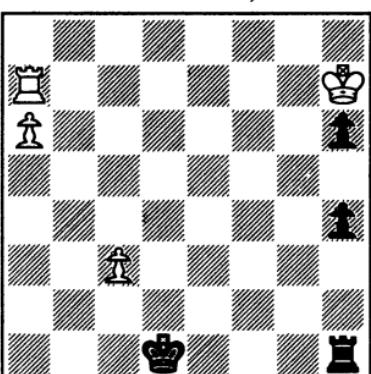
White wins

461 L. Prokes, 1947



White wins

462 H. Rinck, 1912



White wins

Solutions to Test 77

- 457** 1 $\mathbb{B}h7$ $e3$ 2 $\mathbb{B}c6+$ $\mathbb{B}a6$ 3 $\mathbb{B}\times h3$ $\mathbb{B}c3+$ 4 $\mathbb{B}d5$ $e2$ 5 $\mathbb{B}h6+$ $\mathbb{B}b5$
6 $a4+$ $\mathbb{B}\times a4$ 7 $\mathbb{B}e6=.$ **(5 MARKS)**
- 458** 1 $\mathbb{B}a5$ $\mathbb{B}f5$ 2 $\mathbb{B}a6+$ $\mathbb{B}d5$ 3 $e4+$ $\mathbb{B}\times e4$ 4 $\mathbb{B}b6$ $\mathbb{B}a5+5$ $\mathbb{B}b7$ $\mathbb{B}a4$
6 $\mathbb{B}c6$ $\mathbb{B}d4$ 7 $\mathbb{B}b5=.$ **(10 MARKS)**
- 459** 1 $\mathbb{B}g2+$ $\mathbb{B}h7$ 2 $\mathbb{B}g3$ $\mathbb{B}\times h6$ 3 $\mathbb{B}g4$ $\mathbb{B}g6$ 4 $\mathbb{B}f4+$ $\mathbb{B}f6$ 5 $\mathbb{B}f2$ $\mathbb{B}e6$
6 $\mathbb{B}e2+$ $\mathbb{B}d5$ 7 $\mathbb{B}e3$ $\mathbb{B}c4$ 8 $\mathbb{B}d2=.$ **(10 MARKS)**
- 460** 1 $b4$ $\mathbb{B}b3$ 2 $\mathbb{B}a5$ $\mathbb{B}\times a5$ (2... $\mathbb{B}b7$ 3 $b5$ wins) 3 ba $\mathbb{B}b4$ 4 $a6$ $\mathbb{B}a5$
5 $a7$ $\mathbb{B}b6$ 6 $a8(\mathbb{B})!$ wins. **(10 MARKS)**
- 461** 1 $a7$ $\mathbb{B}a5+$ 2 $\mathbb{B}b3!$ $\mathbb{B}g7$ 3 $\mathbb{B}b4$ $\mathbb{B}a1$ 4 $\mathbb{B}b5$ $\mathbb{B}a2$ 5 $\mathbb{B}c6$ wins.
(5 MARKS)
- 462** 1 $\mathbb{B}g7$ $\mathbb{B}c2$ (1... $\mathbb{B}e1$ 2 $\mathbb{B}gl$ $\mathbb{B}\times gl$ 3 $a7$) 2 $\mathbb{B}g2+$ $\mathbb{B}b3$ 4 $\mathbb{B}a2!$
 $\mathbb{B}\times a2$ 4 $a7$ wins. **(10 MARKS)**

Total Marks Available **50**

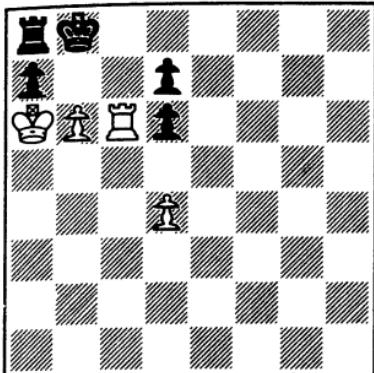
Your Score _____

Your Percentage _____

Your Rating _____

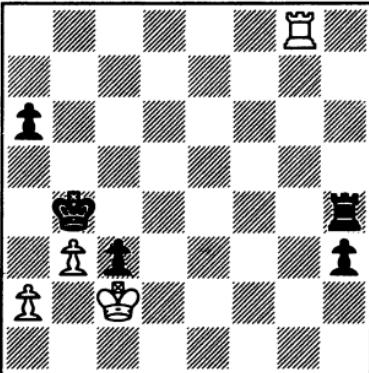
Test 78*Time Allowed 100 minutes*

463 A. Selezniev, 1935



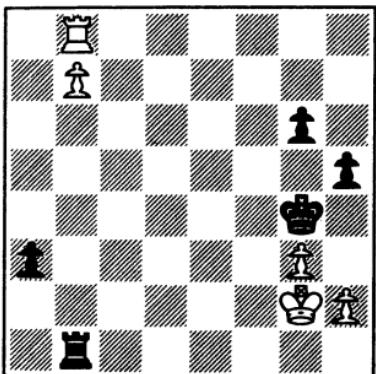
White wins

464 A. Selezniev, 1912

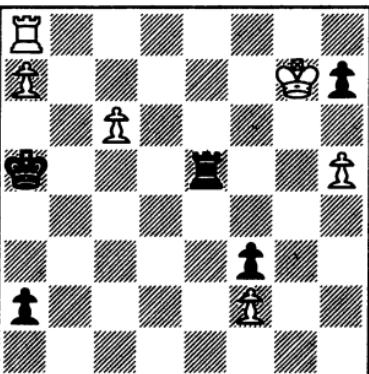


White wins

465 A. Selezniev, 1912

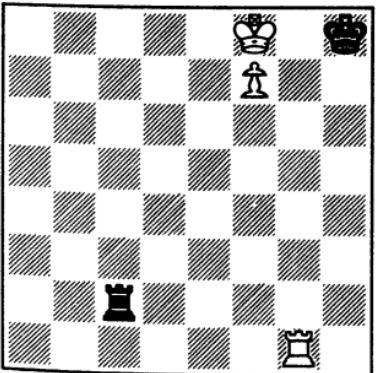


White wins

466 V. Chekhover and
A. Herbstmann, 1952

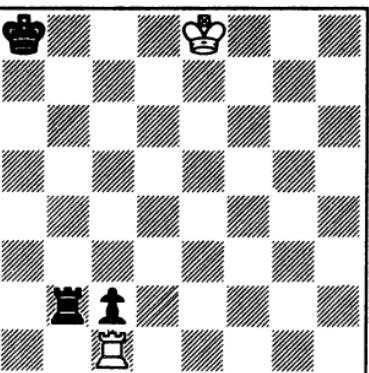
Draw

467 N. Kopayev, 1953



Black to move – White wins

468 J. Vancura, 1926



Draw

Solutions to Test 78

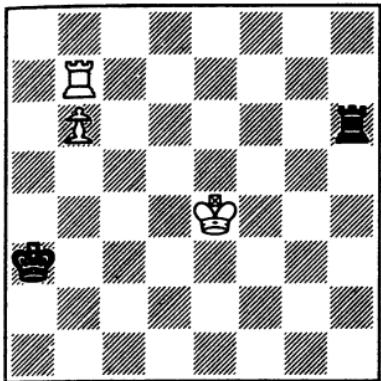
- 463 1 $\mathbb{Q}c8+$! $\mathbb{Q}\times c8$ 2 $b7+$ $\mathbb{Q}b8$ 3 $d5!$ $\mathbb{Q}c7$ 4 $ba(\mathbb{Q})!$ (Promoting to queen or rook is stalemate) 4 ... $\mathbb{Q}b8$ 5 $\mathbb{Q}b7$ wins. **(10 MARKS)**
- 464 1 $\mathbb{Q}g5!$ $h2$ ($\mathbb{Q}f4$, $\mathbb{Q}e4$) (*If 1 ... $\mathbb{Q}h6(h7,h8)$ 2 $a3!$ $\mathbb{Q}\times a3$ 3 $\mathbb{Q}g4!$ or 1 ... $\mathbb{Q}d4$ 2 $a3+$ $\mathbb{Q}\times a3$ 3 $\mathbb{Q}\times c3$) 2 $a3+$! $\mathbb{Q}\times a3$ 3 $\mathbb{Q}a5$ $\mathbb{Q}b4$ 4 $\mathbb{Q}a4+$. **(10 MARKS)***
- 465 1 $h3+$ $\mathbb{Q}g5$ 2 $h4+$ $\mathbb{Q}g4$ 3 $\mathbb{Q}f8$ $\mathbb{Q}b2+$ 4 $\mathbb{Q}f2$ $\mathbb{Q}\times f2+$ 5 $\mathbb{Q}\times f2$ $a2$ 6 $b8(\mathbb{Q})$ $a1(\mathbb{Q})$ 7 $\mathbb{Q}c8$ mate. **(5 MARKS)**
- 466 1 $\mathbb{Q}b8$ $\mathbb{Q}e7+$ 2 $\mathbb{Q}g8$ $\mathbb{Q}\times a7$ 3 $c7$ $a1(\mathbb{Q})$ 4 $h6!$ $\mathbb{Q}a2+$ 5 $\mathbb{Q}h8$ $\mathbb{Q}a1+$ 6 $\mathbb{Q}g8$ $\mathbb{Q}g1+$ 7 $\mathbb{Q}h8$ $\mathbb{Q}a1+=.$ **(5 MARKS)**
- 467 1 ... $\mathbb{Q}c8+$ 2 $\mathbb{Q}e7$ $\mathbb{Q}c7+$ 3 $\mathbb{Q}f6!$ (3 $\mathbb{Q}e6$ $\mathbb{Q}c8$) 3 ... $\mathbb{Q}c6+$ 4 $\mathbb{Q}e5$ $\mathbb{Q}c5+$ (4 ... $\mathbb{Q}c8$ 5 $\mathbb{Q}g6!$ $\mathbb{Q}h7$ 6 $\mathbb{Q}c6!$ $\mathbb{Q}a8$ 7 $\mathbb{Q}f6$, 8 $\mathbb{Q}e6$ and 9 $\mathbb{Q}e8$ wins) 5 $\mathbb{Q}d6$ $\mathbb{Q}c8$ 6 $\mathbb{Q}e1!$ $\mathbb{Q}f8$ (6 ... $\mathbb{Q}g7$ 7 $\mathbb{Q}e8$ wins) 7 $\mathbb{Q}e8$ $\mathbb{Q}g7$ 8 $\mathbb{Q}\times f8$ $\mathbb{Q}\times f8$ 9 $\mathbb{Q}e6$ wins. **(10 MARKS)**
- 468 1 $\mathbb{Q}e7!$ (1 $\mathbb{Q}d7?$ $\mathbb{Q}b7$ 2 $\mathbb{Q}d6$ $\mathbb{Q}b6$ 3 $\mathbb{Q}d5$ $\mathbb{Q}b5$ 4 $\mathbb{Q}d4$ $\mathbb{Q}b4$ 5 $\mathbb{Q}d3$ $\mathbb{Q}b3$ wins) 1 ... $\mathbb{Q}a7$ (1 ... $\mathbb{Q}b7$ 2 $\mathbb{Q}d7!$) 2 $\mathbb{Q}e6$ $\mathbb{Q}a6$ 3 $\mathbb{Q}e5$ $\mathbb{Q}a5$ 4 $\mathbb{Q}e4$ $\mathbb{Q}a4$ 5 $\mathbb{Q}e3$ $\mathbb{Q}a3$ 6 $\mathbb{Q}d2!$ $\mathbb{Q}b3$ 7 $\mathbb{Q}d3=.$ **(10 MARKS)**

Total Marks Available **50**

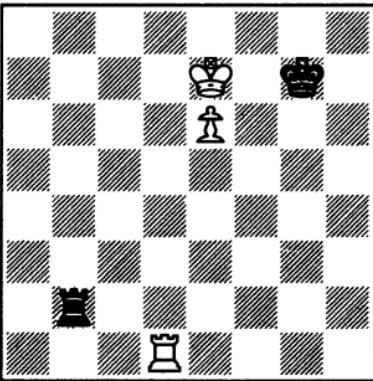
Your Score _____

Your Percentage _____

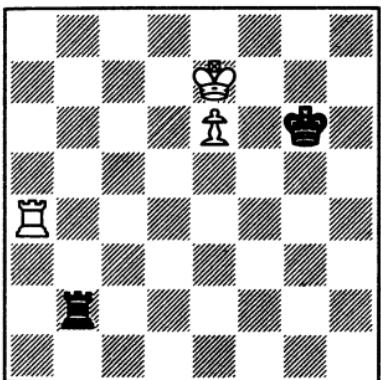
Your Rating _____

Test 79*Time Allowed 100 minutes***469** N. Grigoriev, 1938

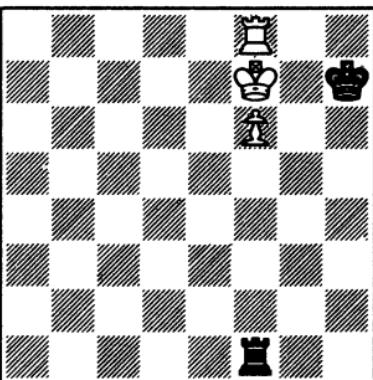
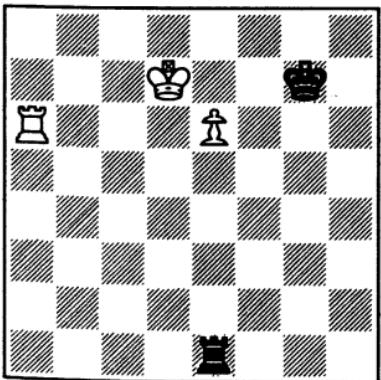
White wins

470 N. Grigoriev, 1937

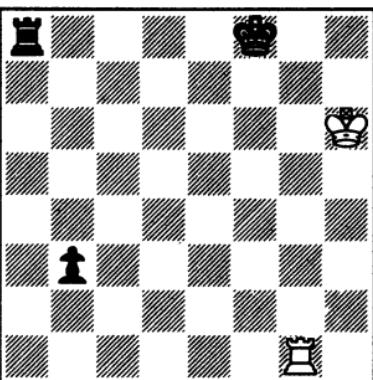
Black to move — White wins

471 N. Grigoriev, 1937

Black to move — draw

472 D. Rovner, 1937White to move — win
Black to move — draw**473** N. Kopayev, 1958

Black to move — draw

474 T. Gorgiev, 1936

Draw

Solutions to Test 79

- 469** 1 $\text{Bb}7+$ $\text{Bb}4$ 2 $\text{Bb}7$ $\text{Bb}6$ 3 $\text{Bd}4!$ $\text{Bd}6+$ (3... $\text{Bb}5$ 4 $\text{Bd}5$ $\text{Bb}4$ 5 $\text{Ba}1$ wins) 4 $\text{Be}5$ $\text{Bb}6$ 5 $\text{Ba}1!$ $\text{Bc}3$ 6 $\text{Bc}1+$ $\text{Bb}2$ 7 $\text{Bc}7$ $\text{Bb}3$ 8 $\text{Bd}5$ $\text{Bb}4$ (8... $\text{Ba}4$ 9 $\text{Bc}5$ $\text{Ba}5$ 10 $\text{Bb}8(\text{B})$ $\text{Bx}b8$ 11 $\text{Ba}7$ mate) 9 $\text{Bc}1$ $\text{Ba}3$ 10 $\text{Ba}1+$ $\text{Bb}2$ 11 $\text{Ba}7$ wins. **(15 MARKS)**
- 470** 1... $\text{Bb}7+$ 2 $\text{Bd}7!$ $\text{Bb}8$ (2... $\text{Bb}1$ 3 $\text{Bd}8$ $\text{Bb}7+$ [3... $\text{Ba}1$ 4 $\text{Bf}8$ $\text{Bf}6$ 5 $\text{e}7$ $\text{Ba}7$ 6 $\text{Bd}6$ $\text{Bg}7$ 7 $\text{Bf}6$] 4 $\text{Bd}6$ $\text{Bb}6+$ 5 $\text{Bd}7$ $\text{Bb}7+$ 6 $\text{Bc}6$ wins) 3 $\text{Ba}7$ $\text{Bg}6$ (3... $\text{Bb}1$ 4 $\text{Ba}8!$ $\text{Bb}7+$ 5 $\text{Bd}6$ $\text{Bb}6+$ 6 $\text{Bd}7$ $\text{Bb}7+$ 7 $\text{Bc}6$) 4 $\text{Ba}1!$ $\text{Bb}7+$ 5 $\text{Bd}8!$ $\text{Bb}8+$ (5... $\text{Bf}6$ 6 $\text{e}7$ wins) 6 $\text{Bc}7$ $\text{Bb}2$ $\text{Bb}7$ $\text{Bb}1!!$ $\text{Bc}2+8$ $\text{Bd}7$ $\text{Bd}2+9$ $\text{Bb}8$ $\text{Ba}2$ 10 $\text{e}7$ wins. **(20 MARKS)**
- 471** 1... $\text{Bb}7+$ 2 $\text{Bd}8$ (2 $\text{Bd}6$ $\text{Bb}6+$ 3 $\text{Bd}7$ $\text{Bf}6!$ 4 $\text{Ba}1$ $\text{Bb}7+$ 5 $\text{Bc}6$ $\text{Bb}7$ 6 $\text{Bd}5$ $\text{Bx}e6!$ 7 $\text{Bf}1+$ $\text{Bb}7=$) 2... $\text{Bf}6$ 3 $\text{Bb}4$ (3 $\text{e}7$ $\text{Bx}e7$ 4 $\text{Bf}4+$ $\text{Bb}5$) 3... $\text{Bb}8+$ 4 $\text{Bc}7$ $\text{Bb}8=$ (4... $\text{Bb}8$ 5 $\text{Bd}7$ $\text{Bb}7+$ 6 $\text{Bd}6$ $\text{Bb}8$ 7 $\text{e}7$ wins. **(20 MARKS)**
- 472** (i) *White to move:* 1 $\text{Bb}8$ $\text{Ba}1$ 2 $\text{Bf}8!$ $\text{Bg}6$ 3 $\text{f}7$ $\text{Bf}6$ 4 $\text{Bc}8$ $\text{Ba}2$ 5 $\text{Bc}6+$ wins. **(10 MARKS)**
(ii) *Black to move:* 1... $\text{Bb}1$ 2 $\text{Bb}8$ $\text{Bb}7+$ 3 $\text{Bb}7$ $\text{Bb}8$ 4 $\text{Bb}6+$ (4 $\text{Bb}7$ $\text{Bh}6$ 5 $\text{Bb}7$ $\text{Bb}6=$) 4... $\text{Bb}6$ 5 $\text{Bb}7+$ $\text{Bh}6$ 6 $\text{Bg}1$ $\text{Bb}6+$ =. **(10 MARKS)**
- 473** 1... $\text{Bf}6$ (1... $\text{Bb}1$ 2 $\text{Bb}7+$ 3 $\text{Bb}6$ $\text{Bb}8$ 4 $\text{Bd}6$ and 5 $\text{Bd}8$) 2 $\text{Bc}6$ $\text{Bb}2$ (2... $\text{Bd}1+$ 3 $\text{Bb}8$) 3 $\text{Bd}6$ $\text{Bb}1$ 4 $\text{Bd}2$ $\text{Bb}1!$ 5 $\text{Bf}2+$ $\text{Bg}7$ 6 $\text{Bb}7$ $\text{Bb}7+$ draws. **(10 MARKS)**
- 474** 1 $\text{Bg}5!$ (1 $\text{Bb}1?$ $\text{Bb}8!$ or 1 $\text{Bb}1$ $\text{Bb}8$ 2 $\text{Bd}1$ $\text{Bb}7$ 3 $\text{Bg}5$ $\text{Bb}8$ 4 $\text{Bg}4$ $\text{Bb}2$ 5 $\text{Bg}3$ $\text{Bb}8$ 6 $\text{Bb}1$ $\text{Bd}6$ wins) 1... $\text{Bb}7$ 2 $\text{Bf}4$ $\text{Bd}6$ 3 $\text{Bb}3$ $\text{Bc}5$ 4 $\text{Bd}2$ $\text{Bb}4$ 5 $\text{Bc}1$ $\text{Bb}1+$ 6 $\text{Bb}2$ $\text{Bx}g1$ =. **(15 MARKS)**

Total Marks Available **100**

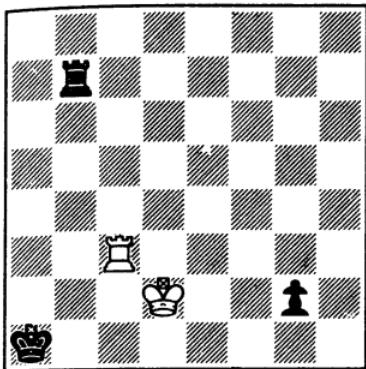
Your Score _____

Your Percentage _____

Your Rating _____

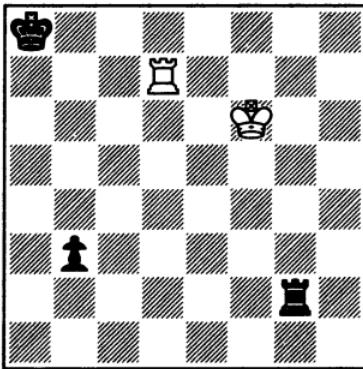
Test 80*Time Allowed 100 minutes*

475 M. Martyshko, 1966



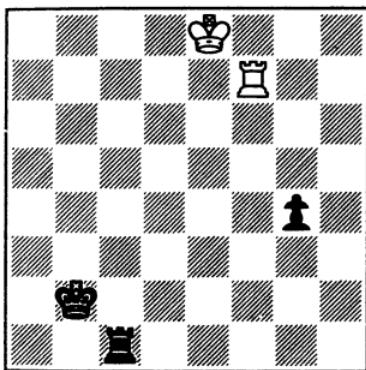
Draw

476 G. Kasparian, 1954



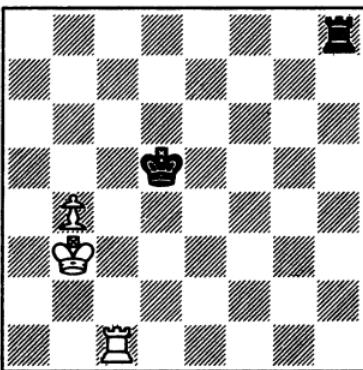
Draw

477 N. Grigoriev, 1937



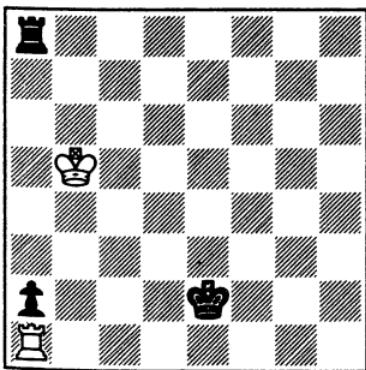
Draw

478 N. Grigoriev, 1937



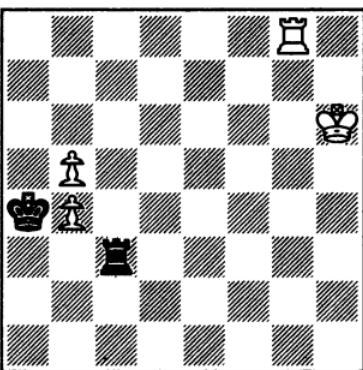
White wins

479 I. Zeibot, 1899



Draw

480 T. Gorgiev, 1936



White wins

Solutions to Test 80

- 475 1 $\bar{g}3$ ($1 \bar{a}3+? \bar{b}1 2 \bar{g}3 \bar{b}2+3 \bar{e}1 \bar{a}2$ wins) $1\dots \bar{b}2+$
 $(1\dots \bar{b}1 2 \bar{c}2 \bar{a}2 3 \bar{g}8 \bar{b}3 4 \bar{a}8 \bar{a}3 5 \bar{g}8 \bar{a}1 6 \bar{d}2$
 $\bar{a}2+7 \bar{e}3=) 2 \bar{c}3 \bar{a}2 3 \bar{d}4=.$ (15 MARKS)
- 476 1 $\bar{f}5!$ $b2$ ($1\dots \bar{e}2 2 \bar{f}4!=) 2 \bar{d}1 \bar{e}2 3 \bar{f}4 \bar{b}74 \bar{f}3 \bar{h}2$
 $5 \bar{e}3 \bar{c}6 6 \bar{d}3 \bar{b}5 7 \bar{c}3 \bar{a}4 8 \bar{d}7!! b1(\bar{b}) 9 \bar{c}4 \bar{c}2+10$
 $\bar{d}5 \bar{d}2+11 \bar{e}6=.$ (15 MARKS)
- 477 1 $\bar{f}5!!$ ($1 \bar{g}7? \bar{c}4 2 \bar{d}7 \bar{e}4! 3 \bar{d}6 \bar{c}3 4 \bar{d}5 \bar{d}3$ wins)
 $1\dots \bar{g}3 2 \bar{g}5 \bar{c}3 3 \bar{f}7 \bar{c}2 4 \bar{g}6 \bar{d}2 5 \bar{h}5 \bar{e}2 6 \bar{h}4!$
 $\bar{f}2 7 \bar{h}3 \bar{f}3 8 \bar{g}4!=.$ (15 MARKS)
- 478 1 $b5!$ $\bar{h}4$ ($1\dots \bar{b}8 2 \bar{b}4$ wins) 2 $\bar{c}8$ ($2 b6? \bar{h}6!=) 2\dots$
 $\bar{g}4 (2\dots \bar{d}6 3 b6!) 3 \bar{c}3 \bar{g}6 (3\dots \bar{g}1 4 \bar{b}4, or 3\dots \bar{h}4$
 $4 b6 \bar{h}7 5 \bar{b}4$ wins) 4 $\bar{b}4$ and 5 $\bar{a}5$ wins. (15 MARKS)
- 479 1 $\bar{c}4!$ ($1 \bar{b}4? \bar{d}3 2 \bar{b}3 \bar{b}8+3 \bar{a}3 \bar{c}2 4 \bar{x}a2+\bar{c}3$
 $wins) 1\dots \bar{d}2 2 \bar{b}3 \bar{b}8+3 \bar{c}4 \bar{b}2 4 \bar{h}1! (4 \bar{d}4? \bar{b}4+$
 $5 \bar{c}5 \bar{a}4) 4\dots \bar{c}2 5 \bar{a}1!=.$ (20 MARKS)
- 480 1 $b6 \bar{c}6+$ ($1\dots \bar{b}5 2 b7 \bar{a}6 3 b8(\bar{b})!!$ wins) 2 $\bar{g}6 \bar{c}4 3 b7$
 $\bar{h}4+(3\dots \bar{x}b4 4 \bar{g}4!$ wins) 4 $\bar{g}7 \bar{x}b4 5 \bar{a}6+\bar{b}3 6 \bar{a}7$
 $\bar{c}4 7 \bar{a}4$ wins. (20 MARKS)

Total Marks Available 100

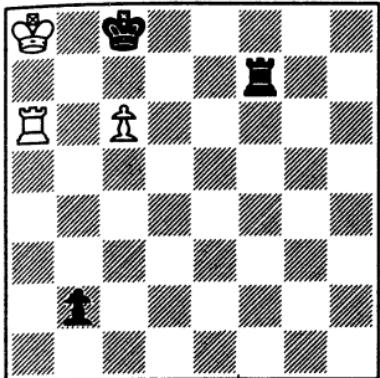
Your Score _____

Your Percentage _____

Your Rating _____

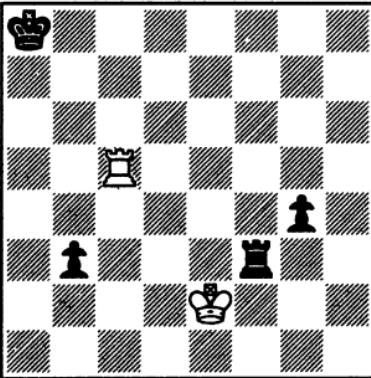
Test 81 Time Allowed 100 minutes

481 L. Prokes, 1947



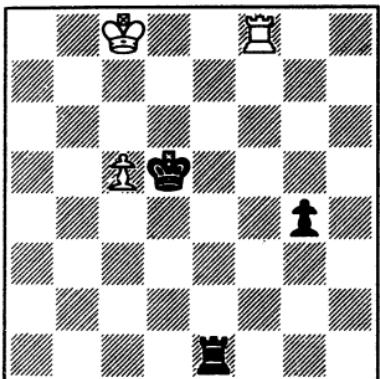
Draw

482 G. Schultz, 1956



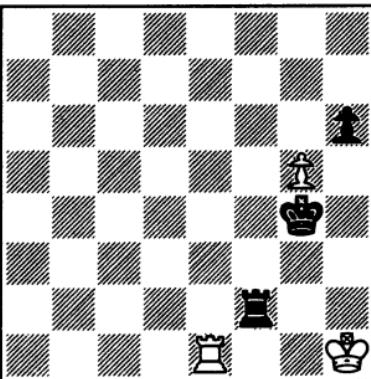
Draw

483 A. Herberg, 1961



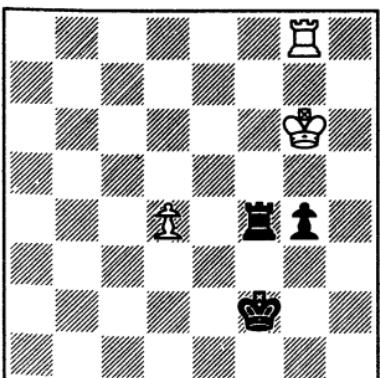
Draw

484 A. Herbstmann, 1963



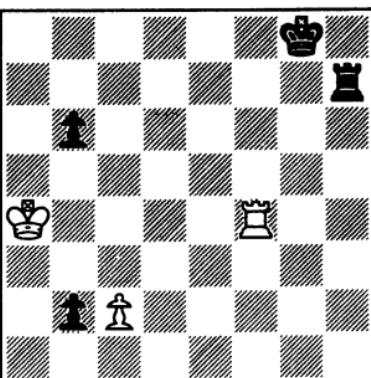
White wins

485 A. Herbstmann, 1935



Draw

486 A. Wotawa, 1953



Draw

Solutions to Test 81

- 481** 1 ♜b6 ♜f2 2 ♜a7 ♜c7 3 ♜a6 ♜c2 (3... ♜f8 4 ♜b7+ ♜x c6 5 ♜b6+ ♜c5 6 ♜x b2 =) 4 ♜b3 ♜x c6 5 ♜a5 ♜c5 6 ♜a4 ♜c4 7 ♜b4+ ♜c3 8 ♜a3! =. (15 MARKS)
- 482** 1 ♜c4! ♜g3 2 ♜f2 ♜h3 3 ♜x g4 b2 4 ♜a4+ ♜b7 5 ♜b4+ ♜c6 6 ♜g2 =. If 1... ♜h3 2 ♜x g4 b2 3 ♜a4+ ♜b7 4 ♜b4+ ♜c6 5 ♜d2 =, or 1... ♜f7 2 ♜x g4 b2 3 ♜g1 =, or 1... b2 2 ♜a4+ ♜b7 3 ♜b4+ ♜c6 4 ♜x b2 =. (20 MARKS)
- 483** 1 ♜f4! (1 ♜f5+? ♜c6 2 ♜d8 g3 3 ♜g5 ♜g1 4 ♜c8 g2 wins, or 1 ♜g8? ♜g1 2 ♜g5+ ♜c6 3 ♜d8 g3 wins) 1... g3 2 ♜g4 ♜g1 3 ♜g5+ ♜c6 4 ♜d8 g2 5 ♜c8 ♜h1 6 ♜g6+ =. (15 MARKS)
- 484** 1 g6! (1 gh ♜f6 2 ♜g1+ ♜f5 3 ♜f1+ ♜g5 =) 1... ♜f8 (1... ♜h3 2 ♜e3+ wins) 2 ♜g1+ ♜h3! 3 g7 ♜g8 4 ♜g6! h5 5 ♜g1 h4 6 ♜f2(f1) wins. If 3... ♜f2 4 ♜g3+ ♜x g3 5 g8(+) wins. (15 MARKS)
- 485** 1 ♜g5 ♜x d4 2 ♜h4 g3+ 3 ♜h3 ♜d3 4 ♜g5 ♜f3 5 ♜g4!! ♜f8 6 ♜f4+ ♜x f4 stalemate. Also possible is 2... ♜f3 3 ♜g6 or 3 ♜g7 ♜f4 4 ♜g5 ♜f8 5 ♜f5+ ♜x f5 =. (15 MARKS)
- 486** 1 ♜g4+ (1 ♜b4? ♜h4 2 c4 ♜x c4 wins, or 1 ♜f1 ♜a7+ 2 ♜b3 ♜a1 wins) 1... ♜f8 (1... ♜h8 2 ♜b4 =, or 1... ♜g7 2 ♜b4 =, or 1... ♜f7 2 ♜g1 =) 2 ♜f4+ ♜e8 3 ♜e4+ ♜d8 4 ♜d4+ ♜c8 5 ♜b4 ♜a7+ (5... ♜h4 6 c4) 6 ♜b5 ♜a5+ 7 ♜c6! (7 ♜x b6? ♜a8 wins) 7... ♜c5+ 8 ♜x b6 ♜c7 9 ♜a6 ♜x c2 10 ♜b3 ♜c7 11 ♜a5 =. (20 MARKS)

Total Marks Available **100**

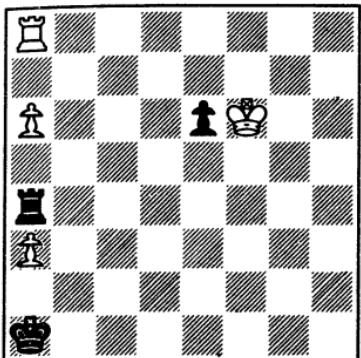
Your Score _____

Your Percentage _____

Your Rating _____

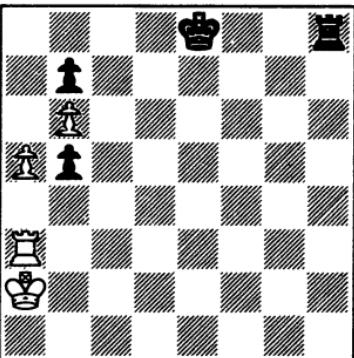
Test 82*Time Allowed 100 minutes*

487 A. Mandler, 1954



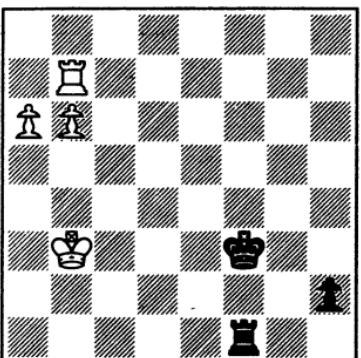
White wins

488 T. Gorgiev, 1936



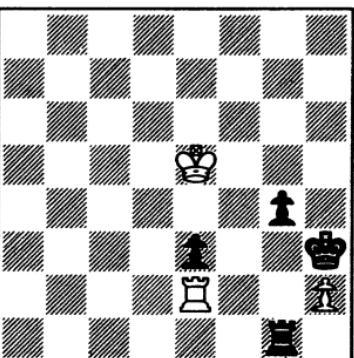
White wins

489 A. Kramer, 1950



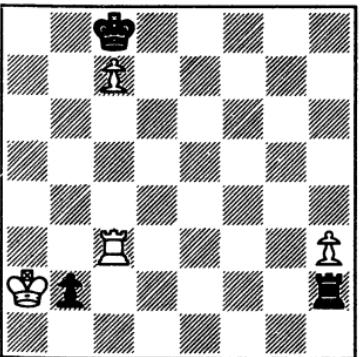
White wins

490 P. Keres, 1946



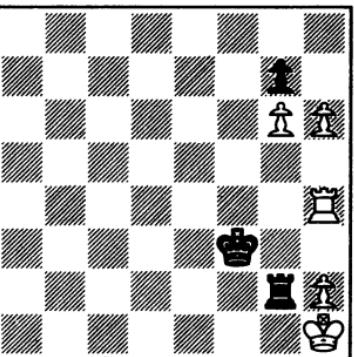
Draw

491 I. Moravec, 1908



White wins

492 A. Herbstmann, 1940



Black to move – draw

Solutions to Test 82

- 487** 1 $\text{B}a7 \text{B} \times a3$ 2 $\text{B} \times e6 \text{B} a2$ (2 ... $\text{B}a2$ 3 $\text{B}d5 \text{B} d3+$ 4 $\text{B}c4 \text{B} d6$ 5 $\text{B}b5 \text{B} d5+$ 6 $\text{B}c6$ wins) 3 $\text{B}a8 \text{B} h2$ 4 $\text{B}f8 \text{B} a2$ 5 $\text{B}f1+$ and wins. (15 MARKS)
- 488** 1 $a6!$ $\text{B}a2$ 2 $\text{B}h3$ 0-0! 3 $\text{B}g3+$ (3 $\text{B}a3?$ $a5!$ 4 $\text{B} \times a5$ $\text{B}f7$ 5 $\text{B}b3 \text{B} e6$ 6 $\text{B}b4 \text{B} d7$ 7 $\text{B} \times b5 \text{B} c8$ 8 $\text{B}a8+$ $\text{B}b7$ 9 $\text{B} \times f8$ stalemate) 3 ... $\text{B}h7(h8)$ 4 $\text{B}a3 \text{B} a8$ 5 $\text{B}b3$ $a5$ 6 $\text{B} \times a5!$ $\text{B} \times a5$ 7 $b7$ wins. (15 MARKS)
- 489** 1 $\text{B}f7+$ $\text{B}g2!$ 2 $\text{B}g7+$ $\text{B}h1!$ 3 $a7 \text{B} f3+$ 4 $\text{B}c4 \text{B} f4+$ 5 $\text{B}d5 \text{B} f5+$ 6 $\text{B}e6 \text{B} f6+$ 7 $\text{B}e7 \text{B} e6+$ 8 $\text{B}f7 \text{B} f6+$ 9 $\text{B}g8 \text{B} f8+$ 10 $\text{B}h7 \text{B} h8+$ 11 $\text{B}g6 \text{B} h6+$ 12 $\text{B}g5$ (12 $\text{B}f7?$ $\text{B}f6+$ 13 $\text{B}e7 \text{B} e6+ =) 12 \dots \text{B}h5+$ 13 $\text{B}f6!$ $\text{B}f5+$ 14 $\text{B}e7 \text{B} e5+$ 15 $\text{B}d7 \text{B} d5+$ 16 $\text{B}c7 \text{B} c5+$ 17 $\text{B}b7$ wins. (20 MARKS)
- 490** 1 $\text{B}f5!$ $\text{B}f1+(1 \dots \text{B}g2$ 2 $\text{B} \times e3+$ $\text{B}h4$ [2 ... $\text{B} \times h2$ 3 $\text{B}g5$ $g3$ 4 $\text{B}h4 \text{B} g1$ 5 $\text{B}a3=] 3 \text{B}e4 \text{B} f2+$ 4 $\text{B}f4!) 2 \text{B}g5!$ $\text{B}f3$ 3 $\text{B}e1!$ $g3$ (3 ... $\text{B}g2$ 4 $\text{B} \times g4$ $\text{B}f2$ 5 $\text{B}al$ and 6 $h4) 4 hg \text{B} \times g3$ 5 $\text{B}e2!! \text{B}h3$ 6 $\text{B}a2!=.$ (20 MARKS)
- 491** 1 $\text{B}b1 \text{B} f2$ 2 $\text{B}c4 \text{B} h2$ 3 $h4 \text{B} f2$ 4 $\text{B}c5 \text{B} h2$ 5 $h5 \text{B} f2$ 6 $\text{B}c6 \text{B} h2$ 7 $h6 \text{B} f2$ 8 $h7 \text{B} h2$ 9 $\text{B}a6 \text{B} \times c7$ 10 $\text{B}a8 \text{B} \times h7$ 11 $\text{B}a7+$ and wins. (15 MARKS)
- 492** 1 ... $\text{B}b2$ 2 $h3 \text{B}g3$ 3 $\text{B}g4+$ $\text{B} \times h3$ 4 $\text{B}g5!!$ (4 $h7 \text{B} \times g4$ 5 $h8(\text{B})$ $\text{B}g3$ wins, or 4 $hg \text{B} \times g4$ 5 $g8(\text{B})$ $\text{B}g3) 4 \dots gh$ 5 $\text{B}g2!! \text{B} \times g2$ 6 $g7!=.$ (15 MARKS)

Total Marks Available

100

Your Score

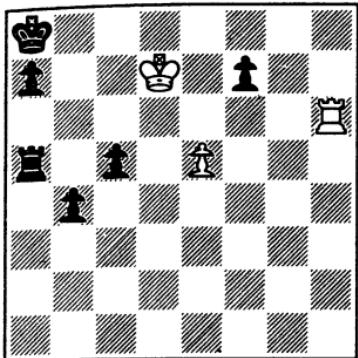
Your Percentage

Your Rating

Test 83

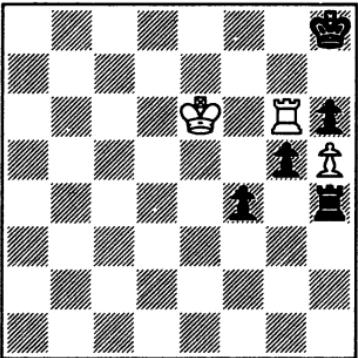
Time Allowed 100 minutes

493 A. Herbstmann, 1947



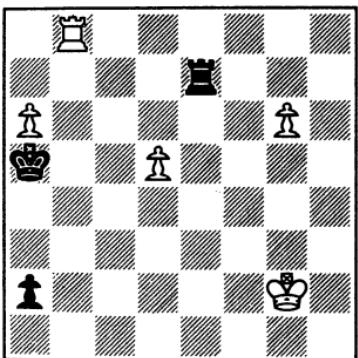
White wins

494 A. S. Selezniev, 1912



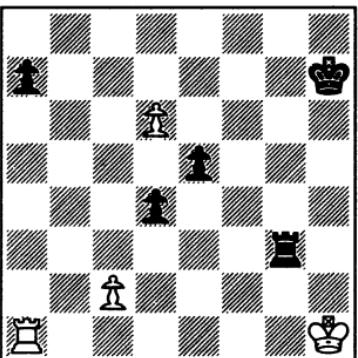
White wins

495 V. Chekhover, 1949



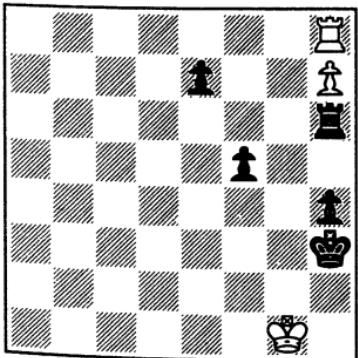
Draw

496 V. and M. Platov, 1923



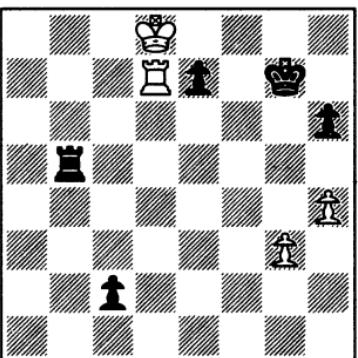
White wins

497 E. Dobrescu, 1951



Draw

498 G. Zakhodyakin, 1950



Draw

Solutions to Test 83

- 493** 1 e6!! ($1 \blacksquare c7 a6 2 \blacksquare b6 \blacksquare b5+ 3 \blacksquare \times a6 \blacksquare b8$) 1... fe 2 $\blacksquare c6!$ a6 ($2 \dots \blacksquare a6+? 3 \blacksquare c7$) 3 $\blacksquare h8+$ $\blacksquare a7$ 4 $\blacksquare h7+$ $\blacksquare a8$ ($4 \dots \blacksquare b8$ 5 $\blacksquare b6 \blacksquare b5+ 6 \blacksquare \times a6$ wins) 5 $\blacksquare b6 \blacksquare b5+ 6 \blacksquare \times a6 \blacksquare b8$ 7 $\blacksquare a7$ mate. **(15 MARKS)**
- 494** 1 $\blacksquare f7!$ $\blacksquare \times h5$ 2 $\blacksquare g8+$ $\blacksquare h7$ 3 $\blacksquare g7+$ $\blacksquare h8$ 4 $\blacksquare g6$ g4 5 $\blacksquare a7 \blacksquare g5+$ 6 $\blacksquare \times h6$ g3 7 $\blacksquare \times g5$ g2 8 $\blacksquare a1$ f3 9 $\blacksquare g6$ wins. **(15 MARKS)**
- 495** 1 a7! ($1 d6?$ $\blacksquare a7$ 2 $\blacksquare b7$ $\blacksquare a8$ or $1 \blacksquare b7?$ $\blacksquare e8$ wins) 1... $\blacksquare \times a7$ 2 d6 a1(\blacksquare) ($2 \dots \blacksquare a6$ 3 d7 $\blacksquare \times d7$ 4 $\blacksquare a8+$ $\blacksquare a7$ 5 $\blacksquare \times a7+$ and 6 g7=) 3 d7!! $\blacksquare a2+$ 4 $\blacksquare g1$ ($4 \blacksquare g3?$ $\blacksquare a3+$ 5 $\blacksquare g2 \blacksquare \times d7$ 6 $\blacksquare a8+$ $\blacksquare b4$ 7 $\blacksquare \times a3 \blacksquare \times a3$) 4... $\blacksquare a1+$ 5 $\blacksquare g2$ $\blacksquare a2+$ draws. **(20 MARKS)**
- 496** 1 $\blacksquare a3!$ ($1 \blacksquare \times a7+?$ $\blacksquare g6$ 2 d7 $\blacksquare h3+$ 3 $\blacksquare g2 \blacksquare h8$ 4 $\blacksquare a5 \blacksquare f6$ 5 $\blacksquare d5 \blacksquare d8$ 6 $\blacksquare f3 \blacksquare f5$ draws) 1... $\blacksquare g7$ ($1 \dots \blacksquare \times a3$ 2 d7!) 2 $\blacksquare h3+ \blacksquare g8$ 3 $\blacksquare g3!$ $\blacksquare \times g3$ 4 d7 wins. If 1... $\blacksquare g6$ 2 d7 ($2 \blacksquare h3+?$ $\blacksquare g7$ 3 $\blacksquare g3 \blacksquare \times g3$ 4 d7 $\blacksquare h3+$ and 5... $\blacksquare h8$ wins) 2... $\blacksquare d6$ 3 $\blacksquare \times a7 \blacksquare g6$ 4 $\blacksquare a6!$ $\blacksquare \times a6$ 5 d8(\blacksquare) wins. **(20 MARKS)**
- 497** 1 $\blacksquare h1 f4!$ 2 $\blacksquare g8 \blacksquare \times h7$ 3 $\blacksquare g7 \blacksquare h6$ 4 $\blacksquare g6 \blacksquare h5$ 5 $\blacksquare g5 \blacksquare h6$ 6 $\blacksquare g6 f3!$ 7 $\blacksquare \times h6$ f2 8 $\blacksquare f6 \blacksquare g3$ 9 $\blacksquare f7!$ e5 10 $\blacksquare g7+$ $\blacksquare f3$ 11 $\blacksquare f7+$ $\blacksquare e2$ 12 $\blacksquare g2$ h3+ 13 $\blacksquare \times h3$ f1(\blacksquare)+ 14 $\blacksquare \times f1 \blacksquare \times f1$ 15 $\blacksquare g4$ =. **(15 MARKS)**
- 498** 1 $\blacksquare c7!$ ($1 \blacksquare \times e7+?$ $\blacksquare f6$ 2 $\blacksquare e1 \blacksquare b1$ or $2 \blacksquare c7 \blacksquare b8+$ 3 $\blacksquare d7 \blacksquare b7$ wins)... $\blacksquare b8+2 \blacksquare \times e7 \blacksquare b7!$ 3 $\blacksquare \times b7$ cl(\blacksquare) 4 $\blacksquare e6+\blacksquare g6$ 5 h5+ $\blacksquare \times h5$ 6 $\blacksquare g7!!$ =. **(15 MARKS)**

Total Marks Available

100

Your Score

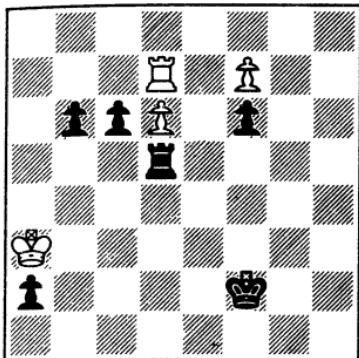
Your Percentage

Your Rating

Test 84

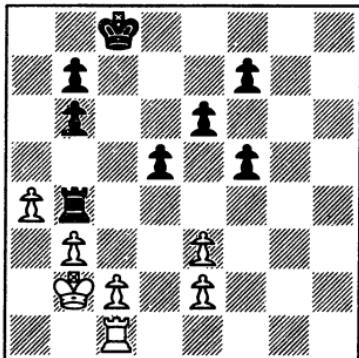
Time Allowed 120 minutes

499 A. Herbstmann, 1954



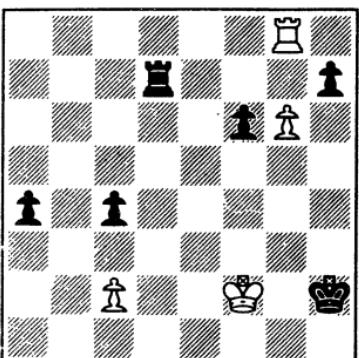
White wins

500 L. Kubbel, 1929



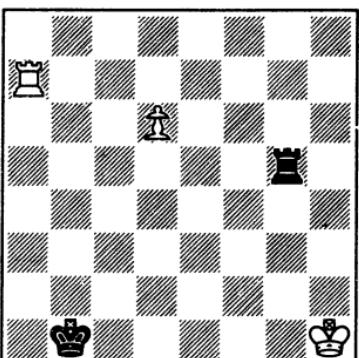
White wins

501 A. Selezniev, 1914



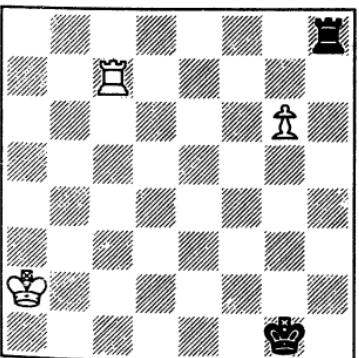
White wins

502 H. Weenink, 1925



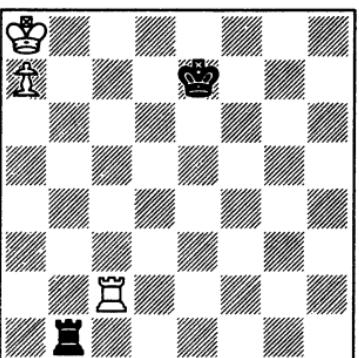
White wins

503 D. Gurgenidze, 1981



White wins

504 M. Karstedt, 1909



White wins

Solutions to Test 84

- 499** 1 ♜b2!! (1 ♜x a2? f5 2 ♜a7 ♜e5! =) 1... a1(+) + 2 ♜x a1 ♜a5+ 3 ♜b2 ♜b5+ 4 ♜c3 ♜c5+ 5 ♜d4 f5 6 ♜a7 ♜d5+ 7 ♜c3 ♜c5+ 8 ♜b2 ♜b5+ 9 ♜a1 ♜e5 10 ♜a2+! wins. (10 MARKS)
- 500** 1 c4! dc 2 ♜c3 ♜x b3+ 3 ♜x c4 ♜e3(a3) (3... ♜b2 4 ♜c3! ♜e2(a2) 5 ♜d3+(b3+)) 4 ♜d4(b4)+ wins. (10 MARKS)
- 501** 1 ♜h8 ♜d2+ 2 ♜f1 (2 ♜f3 ♜g2 3 ♜x h7+ ♜g1 or 3 ♜h ♜g7) 2... ♜d1+ (2... ♜g2 3 ♜h7+ ♜g3 4 ♜g7 ♜f3 5 ♜h3+) 3 ♜e2 ♜g1 4 ♜x h7+ ♜g3 5 ♜h1! ♜g2+ 6 ♜e3 ♜g4 7 ♜h2! ♜g3+ 8 ♜f2! ♜f3+ 9 ♜g1! wins. (15 MARKS)
- 502** 1 d7 ♜d5 (1... ♜g8 2 ♜c7 ♜d8 3 ♜g2) 2 ♜g2 (2 ♜c7 ♜d2!) 2... ♜c2 3 ♜f3 ♜d3 4 ♜f4 ♜d4 5 ♜c7! (5 ♜a1 ♜c4 6 ♜a7 ♜b5! 7 ♜e4 ♜d1 8 ♜e5 ♜b6) 5... ♜d3 (5... ♜d6 6 ♜c1 wins) 6 ♜b7! (6 ♜c1 ♜d2) 6... ♜d4 (6... ♜c4 7 ♜e4 ♜d1 8 ♜e5 ♜c5 9 ♜e6 ♜c6 10 ♜a7) 7 ♜a7! ♜d3 (7... ♜d6 8 ♜f5 ♜d5 9 ♜c7 ♜d4 10 ♜c1! ♜e3 11 ♜e1+ ♜d2 12 ♜e7) 8 ♜c7 ♜d4 9 ♜c1 wins. (25 MARKS)
- 503** 1 g7! (1 ♜b3? ♜h5! 2 g7 ♜g5 3 ♜c4 ♜g2 4 ♜d4 ♜g3 5 ♜e4 ♜g4 6 ♜f7 ♜g3! [6... ♜h5 7 ♜f5] 7 ♜a7 ♜g4 8 ♜a1 ♜h3 9 ♜h1+ ♜g2 10 ♜h7 ♜g3 11 ♜h1 ♜g2 =) 1... ♜b8! (1... ♜g8 2 ♜b3 ♜g2 3 ♜e4 ♜g3 4 ♜d5 ♜g4 5 ♜e6 ♜g5 6 ♜f7 wins) 2 ♜b7! (2 ♜f7 ♜g8 3 ♜b3 ♜g2 4 ♜c4 ♜g3 5 ♜d5 ♜g4 6 ♜e6 ♜g5) 2... ♜c8 3 ♜b3 ♜g2 4 ♜c7! ♜d8 5 ♜c4 ♜g3 6 ♜d7! ♜e8 7 ♜d5 ♜g4 8 ♜e7! ♜g8 9 ♜e6 ♜g5 10 ♜f7 wins. (25 MARKS)
- 504** 1 ♜c8! (1 ♜c7+? ♜d6 2 ♜b7 ♜h1! =) 1... ♜d6 (1... ♜d7 2 ♜b8 ♜h1 3 ♜b7 ♜b1+ 4 ♜a6 ♜a1+ 5 ♜b6 ♜b1+ 6 ♜c5 wins) 2 ♜b8 ♜h1 3 ♜b7 ♜b1+ 4 ♜c8 ♜c1+ 5 ♜d8 ♜h1 6 ♜b6+ ♜c5 (6 ♜e5 7 ♜a6) 7 ♜c6+! ♜b5 8 ♜c8 ♜h8+ 9 ♜c7 ♜h7+ 10 ♜b8 wins. (15 MARKS)

Total Marks Available

100

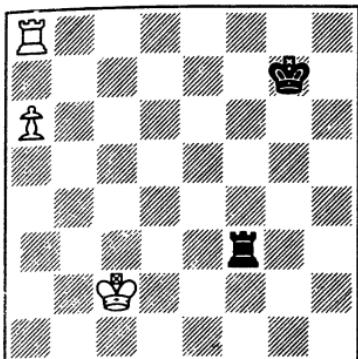
Your Score

Your Percentage

Your Rating

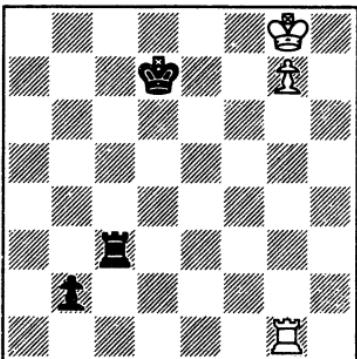
Test 85*Time Allowed 120 minutes*

505 P. Romanovsky, 1950



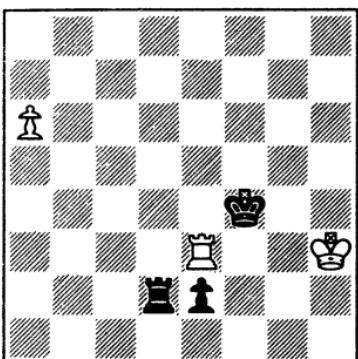
White wins

506 O. Hoppe, 1914



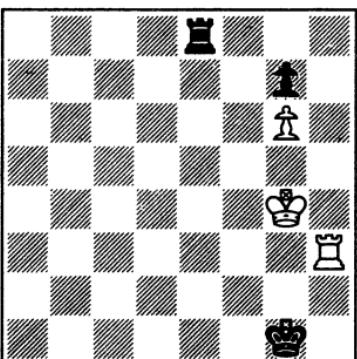
White wins

507 L. Pachman, 1942



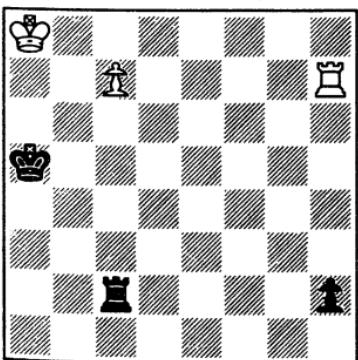
Draw

508 A. Mandler, 1954



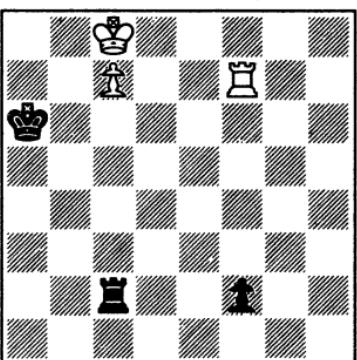
White wins

509 Em. Lasker, 1890



White wins

510 Em. Lasker, 1892



White wins

Solutions to Test 85

- 505** 1 ♜a7+ ♜g6 (1... ♜f8? 2 ♜b7 ♜a3 3 a7 wins, or 1... ♜f6 2 ♜h7! ♜a3 3 a7 ♜e6 [3... ♜e5 4 ♜b2 ♜a6 5 ♜b3 ♜d5 6 ♜b4 ♜al 7 ♜b5 or 6... ♜c6 7 ♜h6+! 4 ♜b2 ♜a5 5 ♜b3 wins) 2 ♜b7 ♜a3 3 a7 ♜f6 4 ♜b2 ♜a5 5 ♜b3 ♜e6 6 ♜b4 ♜al 7 ♜h7 ♜d6 8 ♜b5 wins. (20 MARKS)
- 506** 1 ♜b1 ♜c2 (1... ♜e7 2 ♜xb2 or 1... ♜b3 2 ♜f7 ♜f3+ 3 ♜g6 ♜g3+ 4 ♜f6 ♜f3+ 5 ♜e5 ♜g3 6 ♜xb2 ♜e7 7 ♜b7+ ♜e8 8 ♜f6 wins) 2 ♜f7 ♜f2+ 3 ♜g6 ♜g2+ 4 ♜f6 ♜f2+ 5 ♜e5 ♜e2+ 6 ♜f4 (6 ♜d5 ♜g2 7 ♜xb2 ♜g5+=, or 6 ♜f5 ♜f2+ 7 ♜e4 ♜e2+ 8 ♜f3 ♜e8 9 ♜xb2 ♜g8! 10 ♜f4 ♜e6!=) 6... ♜g2 (6... ♜e8 7 ♜xb2 ♜g8 8 ♜f5 wins) 7 ♜xb2 ♜xg7 8 ♜b7+ wins. (20 MARKS)
- 507** 1 ♜e7 ♜f3 (1... ♜d7 2 ♜xd7 e1(+) 3 ♜f7+ ♜g5 4 a7= or 1... ♜a2 2 ♜f7+ ♜e3 3 ♜e7+ ♜d2 4 ♜d7+ ♜c1 5 ♜c7+=) 2 ♜f7+ ♜e3 3 ♜e7+ ♜f2 4 ♜f7+ ♜e1 5 a7 ♜d8 6 ♜g2! ♜d2 7 ♜d7+! ♜xd7 8 a8(+) e1(+) 9 ♜a5+ ♜e2 10 ♜e5+ ♜d1 11 ♜a1+=. (15 MARKS)
- 508** 1 ♜g3+! (1 ♜f3? ♜a8 2 ♜f7 [2 ♜e3 ♜a7 3 ♜f5 ♜f2 =] 2... ♜a4+ 3 ♜f5 ♜a5+ 4 ♜e4 ♜a4+ 5 ♜d5 ♜a5+ 6 ♜d4 ♜g5! 7 ♜xg7 ♜g2 8 ♜e4 ♜g3=) 1... ♜h2 2 ♜f3 ♜a8 3 ♜e3! ♜a7 4 ♜f5 ♜g2 5 ♜e6 ♜f2 6 ♜d3 and 7 ♜d7 wins. (15 MARKS)
- 509** 1 ♜b7 ♜b2+ 2 ♜a7 ♜c2 3 ♜h5+ ♜a4 4 ♜b7 ♜b2+ 5 ♜a6 ♜c2 6 ♜h4+ ♜a3 7 ♜b6 ♜b2+ 8 ♜a5 ♜c2 9 ♜h3+ ♜a2 10 ♜xh2 wins. (15 MARKS)
- 510** 1 ♜b8 ♜b2+ 2 ♜a8 ♜c2 3 ♜f6+ ♜a5 (3... ♜b5 4 ♜b8 wins) 4 ♜b8(b7) ♜b2+ 5 ♜a7 ♜c2 6 ♜f5+ ♜a4 7 ♜b7 ♜b2+ 8 ♜a6 ♜c2 9 ♜f4+ ♜a3 10 ♜b6 ♜b2+ 11 ♜a5! ♜c2 12 ♜f3+ ♜a2 13 ♜xf2 wins. (15 MARKS)

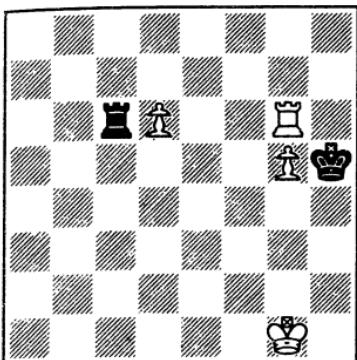
Total Marks Available

100

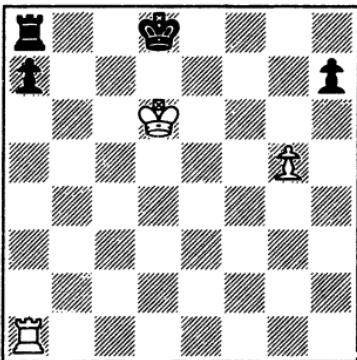
Your Score

Your Percentage

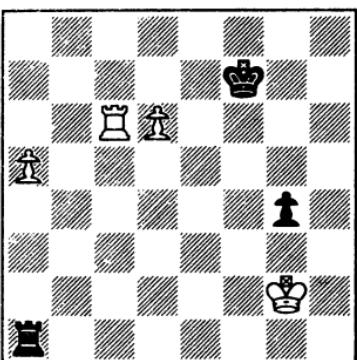
Your Rating

Test 86*Time Allowed 120 minutes***511** A. Herbstmann, 1940

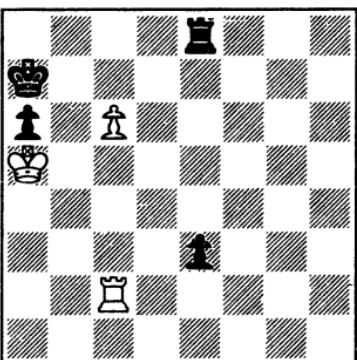
White wins

512 A. Selezniev, 1923

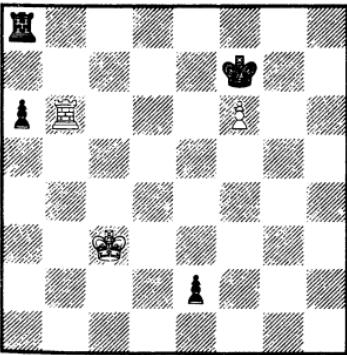
White wins

513 E. Zepler, 1924

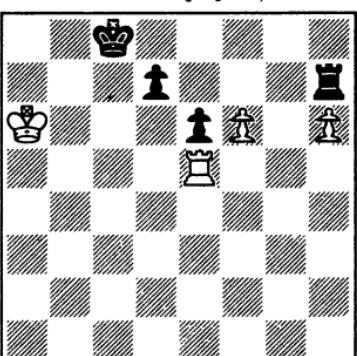
White wins

514 A. Wotawa, 1953

Draw

515 V. Korolkov, 1948
Correction by B. Gosling, 1991

Draw

516 N. Kopayev, 1947

White wins

Solutions to Test 86

- 511** 1 d7! (1 $\blacksquare f6?$ $\blacksquare c1+$ 2 $\blacksquare f7$ $\blacksquare c8$ 3 $\blacksquare f5$ $\blacksquare c1+!$) 1... $\blacksquare c1+$ 2 $\blacksquare f2$ $\blacksquare d1$ 3 $\blacksquare g7$ $\blacksquare g4$ 4 $\blacksquare e2!$ $\blacksquare d6$ (4... $\blacksquare d5$ 5 $\blacksquare e3$ $\blacksquare f5$ 6 $\blacksquare f7+$ $\blacksquare g6$ [6... $\blacksquare e6$ 7 $\blacksquare e4$ $\blacksquare d1$ 8 $\blacksquare g6$ wins] 7 $\blacksquare e4$ wins. If 7... $\blacksquare d1$ 8 $\blacksquare e7$ $\blacksquare \times g5$ 9 $\blacksquare e5+$ and $\blacksquare d5$ wins) 5 $\blacksquare e3$ $\blacksquare f5$ 6 $\blacksquare f7+$ $\blacksquare \times g5$ 7 $\blacksquare e4$ $\blacksquare g6$ 8 $\blacksquare e5$ $\blacksquare d1$ 9 $\blacksquare f6+$ \blacksquare -any 10 $\blacksquare d6$ wins. (15 MARKS)
- 512** 1 g6!! (1 $\blacksquare h1?$ $a5!$ and 2... $\blacksquare a6+$) 1... $\blacksquare hg$ (1... $\blacksquare e8$ 2 $\blacksquare gh$ $\blacksquare f7$ 3 $\blacksquare \times a7+$ wins; 1... $a5$ 2 $\blacksquare gh$ $\blacksquare a6+$ 3 $\blacksquare e5$ $\blacksquare h6$ 4 $\blacksquare \times a5$ $\blacksquare e7$ 5 $\blacksquare a8!$ $\blacksquare \times h7$ 6 $\blacksquare a7+$ wins) 2 $\blacksquare h1$ $\blacksquare c8$ (2... $\blacksquare e8$ 3 $\blacksquare h8+$) 3 $\blacksquare c6$ $\blacksquare d8$ 4 $\blacksquare h8+$ wins the rook. (15 MARKS)
- 513** 1 d7 $\blacksquare e7$ 2 $\blacksquare d6$ $\blacksquare d8$ 3 $a6$ $\blacksquare a3$ 4 $\blacksquare f2!$ (4 $\blacksquare f1?$ $\blacksquare a2!$ 5 $\blacksquare gl$ $g3$ 6 $\blacksquare f1$ $\blacksquare f2$; 4 $\blacksquare gl?$ $\blacksquare g3+=$) 4... $\blacksquare f3+$ 5 $\blacksquare e2!$ (5 $\blacksquare el?$ $g3!=$) 5... $\blacksquare a3$ 6 $\blacksquare el$ (6 $\blacksquare d2(dl)$ $g3=$) 6... $\blacksquare e3+$ 7 $\blacksquare d2$ $\blacksquare a3$ 8 $\blacksquare e2$ $\blacksquare a2+$ 9 $\blacksquare f1$ $\blacksquare a1+$ 10 $\blacksquare f2$ $\blacksquare a3$ 11 $\blacksquare g2$ $\blacksquare a2+$ 12 $\blacksquare g3$ $\blacksquare a4$ 13 $\blacksquare h4$ $\blacksquare b4$ 14 $a7$ $\blacksquare a4$ 15 $\blacksquare h6$ $\blacksquare \times d7$ 16 $\blacksquare h8$ $\blacksquare \times a7$ 17 $\blacksquare h7+$ wins. (20 MARKS)
- 514** 1 c7! (1 $\blacksquare e2?$ $\blacksquare e4!$ 2 $c7$ $\blacksquare b7$ 3 $c8(\blacksquare)+$ $\blacksquare \times c8$ 4 $\blacksquare \times a6$ $\blacksquare c7$ 5 $\blacksquare b5$ $\blacksquare d6$ wins) 1... $\blacksquare b7$ 2 $c8(\blacksquare)+!$ $\blacksquare \times c8$ 3 $\blacksquare c4$ (3 $\blacksquare e2$ $\blacksquare e8$ 4 $\blacksquare b4$ $a5+$ 5 $\blacksquare c3$ $a4$ 6 $\blacksquare d3$ $a3$) 3... $e2$ (3... $\blacksquare e8$ 4 $\blacksquare e4!$ or 3... $\blacksquare g8$ 4 $\blacksquare e4$ $\blacksquare g3$ 5 $\blacksquare e6$ $\blacksquare c7$ 6 $\blacksquare \times a6$ $\blacksquare d7$ 7 $\blacksquare b4=$ or 3... $\blacksquare f8$ 4 $\blacksquare e4$ $\blacksquare f3$ 5 $\blacksquare b4$ $a5+$ 6 $\blacksquare c3$ $\blacksquare c6$ 7 $\blacksquare d3$ $\blacksquare b5$ 8 $\blacksquare \times e3=$) 4 $\blacksquare e4$ $\blacksquare c2$ 5 $\blacksquare b4$ $a5+$ 6 $\blacksquare b3$ (6 $\blacksquare \times a5$ $\blacksquare c6$ 7 $\blacksquare b4$ $\blacksquare d5$ 8 $\blacksquare e8$ $\blacksquare c4+$ and 9... $\blacksquare e4$) 6... $\blacksquare d2$ 7 $\blacksquare c3$ $\blacksquare a2$ 8 $\blacksquare b3=$. (20 MARKS)
- 515** 1 $\blacksquare d2$ $\blacksquare e8$ 2 $\blacksquare el$ $a5$ 3 $\blacksquare b3!$ $\blacksquare e4$ (3... $\blacksquare \times f6$ 4 $\blacksquare f3+$ $\blacksquare g5$ 5 $\blacksquare a3$ $\blacksquare e5$ 6 $\blacksquare a2$ $\blacksquare f4$ 7 $\blacksquare xe2$ $\blacksquare d5$ [7... $a4$ 8 $\blacksquare xe5=$] 8 $\blacksquare d2=$) 4 $\blacksquare a3$ $a4$ 5 $\blacksquare f3$ $\blacksquare e5$ 6 $\blacksquare a3$ $\blacksquare a5$ 7 $\blacksquare \times e2$ $\blacksquare \times f6=$ (15 MARKS)
- 516** 1 $\blacksquare b6$ $\blacksquare d8$ 2 $\blacksquare g5$ $\blacksquare e8$ 3 $\blacksquare g8+$ $\blacksquare f7$ 4 $\blacksquare g7+$ $\blacksquare \times g7$ 5 $hg!$ $e5$ 6 $\blacksquare c5$ $e4$ 7 $\blacksquare c4!!$ $d6$ 8 $\blacksquare c3$ $\blacksquare g8$ 9 $\blacksquare d4$ $d5$ 10 $\blacksquare e3$ $\blacksquare f7$ 11 $\blacksquare f4$ $\blacksquare g8$ 12 $\blacksquare g5!$ $\blacksquare h7$ 13 $\blacksquare f5$ $e3$ 14 $\blacksquare e6$ $e2$ 15 $\blacksquare f7$ wins. (15 MARKS)

Total Marks Available

100

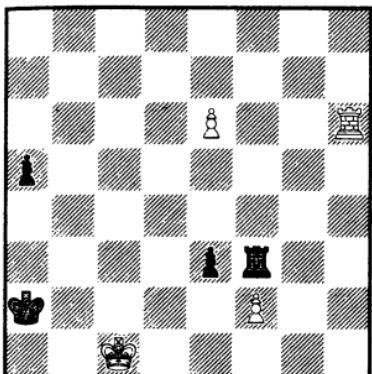
Your Score

Your Percentage

Your Rating

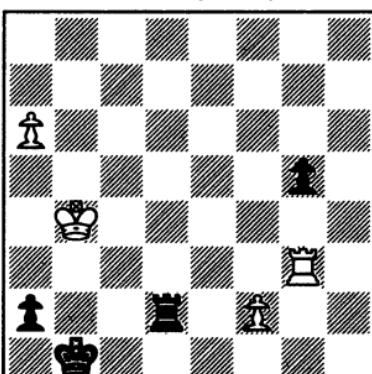
Test 87*Time Allowed 120 minutes*

517 A. Troitsky, 1910



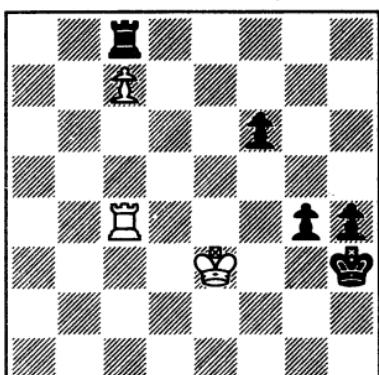
White wins?

518 V. Smyslov, 1938



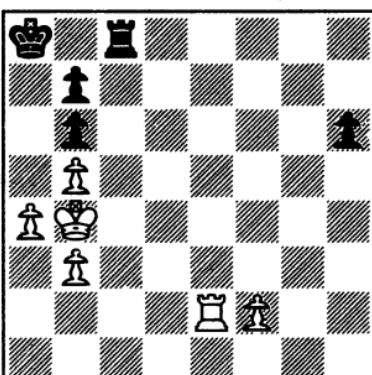
Draw

519 A. Mandler, 1932



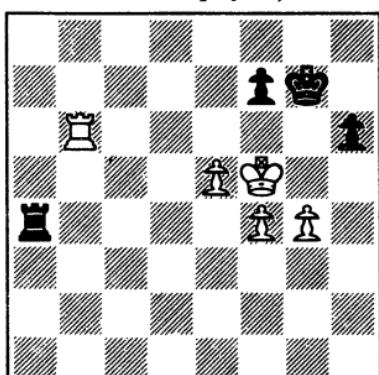
Draw

520 M. Liburkin, 1947



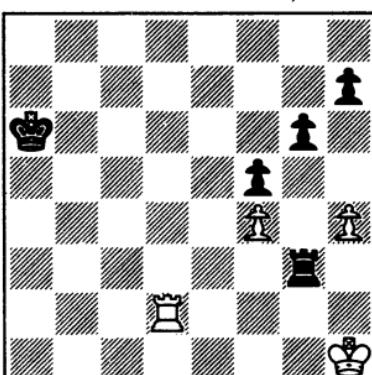
White wins

521 N. Kopayev, 1959



Black to move – draw

522 V. Halberstadt, 1935



Draw

Solutions to Test 87

- 517** Troitsky gives 1 e7 ef2 h2 e3 (2... c3+ 3 d1
 d3+ 4 e2 d2+ 5 f1) 3 xf2+ al 4 f3! el+
 5 c2 e2+ 6 b3! b2+ 7 c3 e2 (7... b8 8 f8)
 8 f1+ a2 9 f2 xf2 10 e8 (+) wins. However, 5...
 a2! (B. Gosling) draws. **(15 MARKS)**
- 518** 1 g1+ b2 f4! (2 a7? d8 3 f4 al(+) 4 xal xal 5 fg a8
 wins) 2... gf 3 a7 d4+ (3... d8 4 g2+ b1 5 g1+) 4 b5
 d8 5 g2+ b3 6 g1 f3! 7 f1 f2! 8 b6 c3 9 b7 d3 10
 al! (10 a8(+)? x a8 11 x a8 e2 wins) 10... c3 11 f1
 d3 12 al=. **(15 MARKS)**
- 519** 1 e4! (1 f4? f5 2 e3 g3 wins, or 2 g5 g3 3 xh4+ g2
 4 c4 h2 wins) 1... g3 (1... f5+ 2 f4 g3 3 f3 f4 4 c2= or
 1... g3 2 f5=) 2 e3! (2 f3? f5 3 c2 f4 wins) 2... g2
 (2... h2 3 xh4+ gl 4 c4 g2 5 f3=) 3 c2+ g1 4 f3 f5
 5 cl+ h2 6 c2+ h3 7 c4 f4 8 c2=. **(15 MARKS)**
- 520** 1 e6 a7! 2 xh6 f8 3 h2 h8! 4 g2 g8 5 g3 f8
 6 f3! g8 7 g4 f8 8 f4 g8 9 g5 f8 10 f5 g8 11 g6 f8
 12 f6 g8 13 g7! f8 14 f7 g8 15 fg(+) wins.
(15 MARKS)
- 521** 1... c4 2 b7 f8 3 b3 (3 g5 hg 4 xg5 f6+=) 3... g7
 4 e3 c6 5 e4 c4+ 6 f3 c6 7 f5 (7 a3 f6 8 a7+ f8
 9 e4 fe 10 fe cl) 7... f8 8 a3 c1 9 a8+ e7 10 f6+ e6
 11 e8+ d5 12 e6 c6=. **(15 MARKS)**
- 522** 1 h2 g4 2 h3 h5! (2... xf4 3 d7=, or 2... h6 3 d6+
 b7 4 f6 h5! 5 d6 c7 6 d4=) 3 d5! (3 d4? b5 4 d6
 c5 wins) 3... b6 4 e5! c6 5 a5 d6 6 b5! (6 a4?
 c5 wins) 6... e6 7 b6+ d5 8 b4 c5 9 a4 b5 10 d4
 c6! 11 c4+ (11 a4? c5 wins; 11 b4 d5 12 a4 c5
 wins) 11... b6 12 b4+! (12 d4? b5 wins) 12... a6 13
 a4+! (13 c4? a5 14 d4 b5 wins) 13... b5 14 d4 c5
 15 a4=. **(25 MARKS)**

Total Marks Available

100

Your Score

Your Percentage

Your Rating

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