

**Yochanan Afek**  
**ANTHOLOGY OF MINIATURE**  
**ENDGAME STUDIES**



**Chess Informant**  
SINCE 1966

---

**Author**

Yochanan Afek

**Foreword**

Jan Timman

**Contributor**

Nenad Vukmirović

**Proofreading**

Igor Žvegljić

**Design**

Miloš Majstorović

**Technical editor**

Svetlana Ignjatović

**General Manager**

Vitomir Božić

**President**

Aleksandar Matanović

© Copyright 2022 Šahovski informator

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

No part of the Chess Informant system (classification of openings, endings and combinations, system of signs, etc.) may be used in other publications without prior permission in writing from the publisher.

ISBN 978-86-7297-136-1

**Publisher**

Šahovski informator

11001 Belgrade, Francuska 31, Serbia

Phone: (381 11) 2630-109

E-mail: [sales@sahovski.com](mailto:sales@sahovski.com), Internet: <https://www.sahovski.com>

---

---

# CONTENTS

Foreword by Jan Timman . . . . .	4
Preface . . . . .	10
KNIGHT FORK . . . . .	11
SKEWER . . . . .	27
ACTIVE SELF BLOCK . . . . .	41
PINNING AND UNPINNING . . . . .	55
DEFLECTION. . . . .	66
BATTERY PLAY . . . . .	83
ZWISCHENZUG . . . . .	96
PAWNS . . . . .	106
AGILE KNIGHT . . . . .	123
BISHOP . . . . .	137
BISHOP PAIR . . . . .	149
TACTICAL ROOK ENDINGS. . . . .	164
CASTLING . . . . .	179
HEAVY ARTILLERY . . . . .	188
QUEEN SACRIFICES . . . . .	199
RETI'S MANOEUVRE . . . . .	211
STRUGGLE TO SECURE PROMOTION . . . . .	222
MINOR PROMOTIONS . . . . .	244
EXCELSIOR . . . . .	266
PHOENIX. . . . .	278
POSITIONAL DRAW. . . . .	287
FORTRESS . . . . .	307
PERPETUAL CHECK . . . . .	318
STALEMATE. . . . .	330
DOMINATION . . . . .	351
ECHO AND CHAMELEON-ECHO . . . . .	372
CAPTURE REFUSAL . . . . .	389
ROUND TRIP . . . . .	403
SYSTEMATIC MANOEUVRE . . . . .	418
ASYMMETRY . . . . .	433
FORESIGHT. . . . .	444
COMPOSE LIKE AN OTB GRANDMAST . . . . .	470
Index . . . . .	487
System of signs . . . . .	497
Terminology. . . . .	498
About the author . . . . .	499

---

---

# PREFACE

An endgame study is a composed chess position with exceptionally instructive contents, displayed by its unique and accurate solution. Solving endgame studies has become a major working tool for over the board players of various levels highly recommended by the world's best trainers. Aiming mainly at improving one's tactical and calculating skills, it may also do miracles to upgrade chess creativity and out of the box thinking, equipping the player with a whole range of tactical weaponry while keeping him sharp and alert both on offense and defence.

The beauty of the endgame study has the power to intensify chess passion and the joy of playing. Especially attractive are the miniatures (compositions with up to 7 pieces) that demonstrate, in natural game-like settings and with utmost economy and purity, a wide variety of motives as well as breathtaking paradoxical twists.

The selection of miniatures in front of you is arguably the biggest ever in a single volume. In more than 2000 works of art many of which have become classics, various periods, composers, themes and styles are represented. The reader may either be challenged to solve them or just enjoy playing through their solutions. This way or another you will benefit from it in many moments of truth to come, but also in the way of pattern recognition.

A number of colleagues should be credited and thanked for their invaluable share in bringing this project to a happy ending:

- Chess Informant editorial team for its positive response and professional approach to this special challenge.
- Dr. Harold van der Heijden for allowing the use of his unique endgame studies database: <https://www.hhdbvi.nl/>
- Gady Costeff for his help in categorizing the huge amount of candidate miniatures into thematic chapters.
- Last but not least: All fine composers for their amazing artistic efforts which would hopefully help you, dear reader, to grow as a chess player and a chess lover!

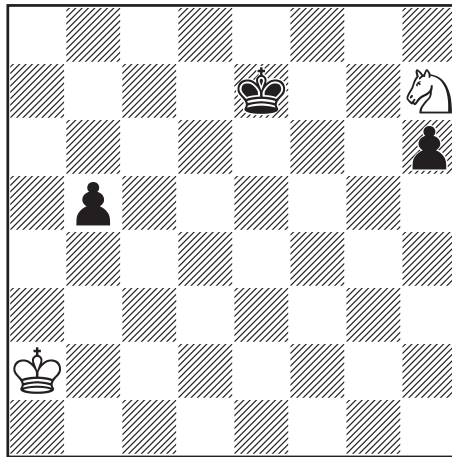
*Yochanan Afek, Amsterdam, June 2022.*

# AGILE KNIGHT

507.

DAVID GURGENIDZE

64 1970



1. ?

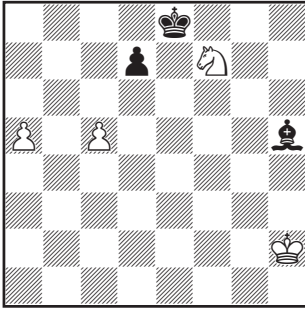
=

The Knight is well compensated for its evident awkwardness, by unique movements and the ability to jump over both friendly and enemy pieces, along its route. It is also especially effective in employing certain tactical weapons, most notably a deadly fork or a smothered mate to name just a few. These qualities make the knight an ideal partner to the line movers for storming the opponent's barricades and a star piece in numerous compositions of all genres. A breathtaking drama is of a seemingly clumsy knight chasing rather efficiently "unstoppable" passed pawns even the sneaky "a" and "h" edge ones. That is usually done by repeating threats coast to coast from one side of the board to the other all the way through known as the "Grand Leap" manoeuvre.

# AGILE KNIGHT

**491.**

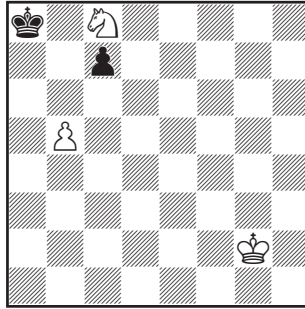
HERMAN MATTISON  
*Rigaer Tageblatt* 1914



1. ?      +-

**492.**

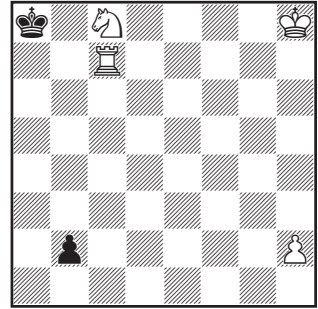
HANS FAHRNI  
*Das Endspiel im Schach*  
(Fahrni) 1917



1. ?      +-

**493.**

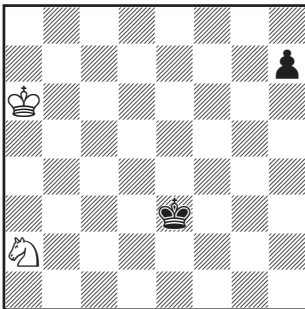
EVGENIJ SOMOV  
NASIMOVICH  
64 1927



1. ?      +-

**494.**

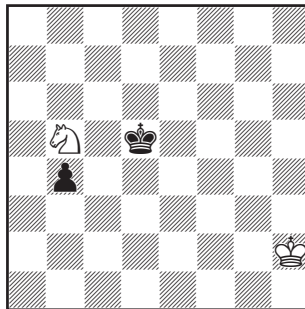
NIKOLAI GRIGORIEV  
*Izvestia* 1932



1. ?      =

**495.**

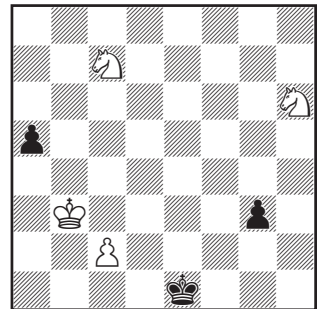
NIKOLAI GRIGORIEV  
Source unknown 1938



1. ?      =

**496.**

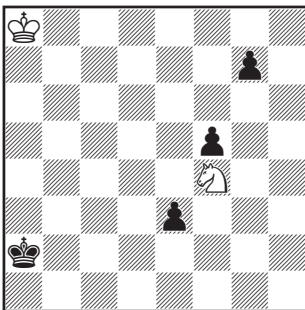
MARK LIBURKIN  
64 (c) 1939



1. ?      +-

**497.**

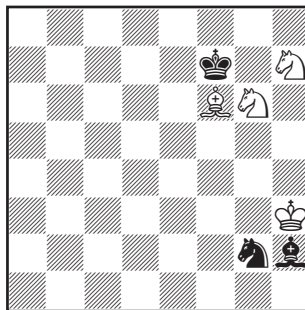
VITALY CHEKHOVER  
3rd HM *Shakhmaty v SSSR*  
1947



1. ?      =

**498.**

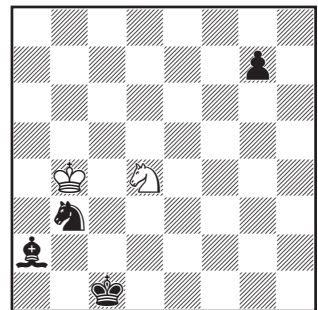
P. SOBOLEVSKY  
Pr. *Beginner Ty Shakhmaty v*  
SSSR 1950



1. ?      +-

**499.**

HENNING KALLSTROM  
2nd Pr. *Suomi v Sverige*  
1960

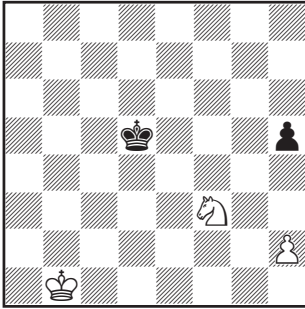


1. ?      =

500.

ERRKI PUHAKKA

2nd Pr. *Finnish Chess Society*  
1960

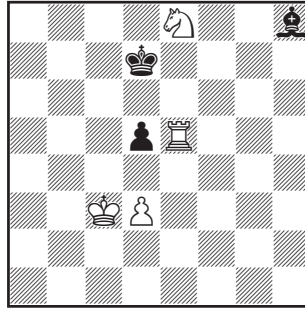


1. ?      +-

501.

ERNST POGOSYANTS

*Československý šach* 1963

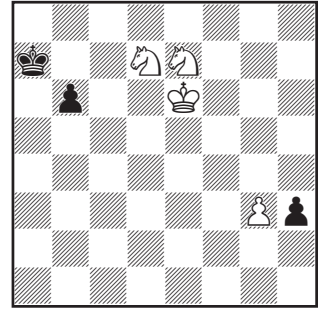


1. ?      +-

502.

GIA NADAREISHVILI

3rd Pr. *Československý šach*  
1965

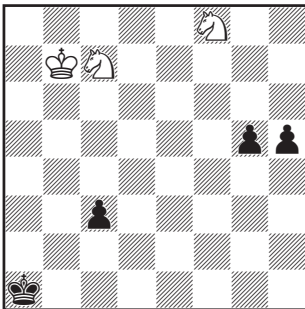


1. ?      +-

503.

BRUNO BREIDER

3rd Pr. *Joseph JT* 1965

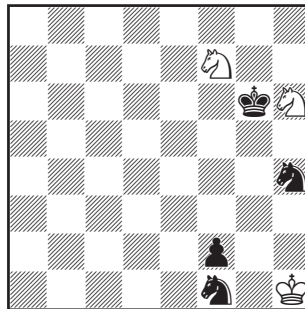


1. ?      =

504.

ERNST POGOSYANTS

Sp. Pr. *Shakhmatnaya Moskva*  
1966

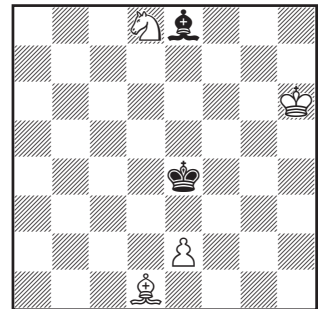


1. ?      =

505.

ERRKI PUHAKKA

Comm. *Rubinstein MT*  
1967

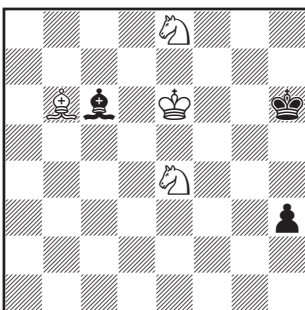


1. ?      +-

506.

GENRIKH KASPARYAN

*Tidskrift för Schack* 1969

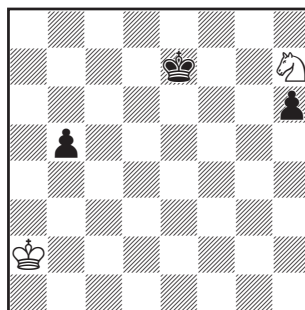


1. ?      +-

507.

DAVID GURGENIDZE

64 1970

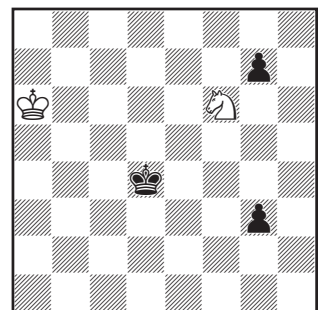


1. ?      =

508.

GIJS VAN BREUKELEN

*Schakend Nederland* 1971

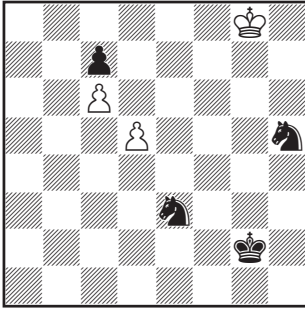


1. ?      =

# AGILE KNIGHT

**509.**

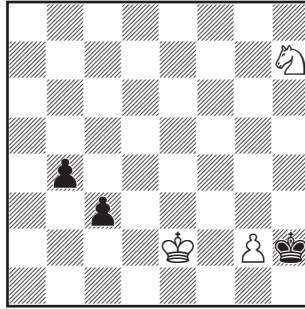
TIGRAN GORGIEV  
Sp. Pr. *Problem* 1973



1. ? =

**510.**

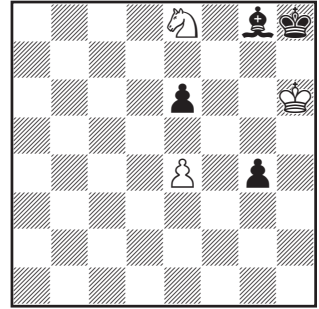
VALERY VLASENKO  
64 1974



1. ? +-

**511.**

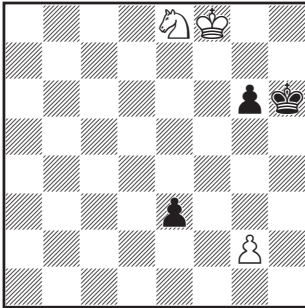
ERNST POGOSYANTS  
*Stavropolskaja pravda* 1977



1. ? =

**512.**

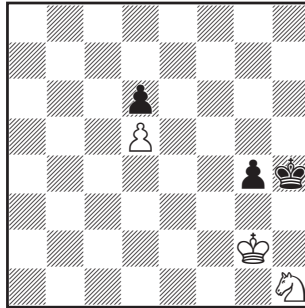
GLEB ZAKHODYAKIN  
*Shakhmaty v SSSR* 1981



1. ? =

**513.**

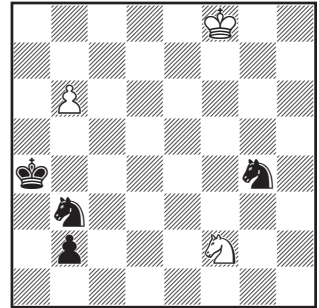
LEONARD KATSNELSON  
& ATTILA KORÁNYI  
2nd Pr. *Szen MT Magyar Sakkélet* 1982



1. ? +-

**514.**

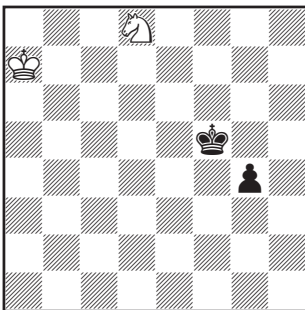
VALERY VLASENKO  
2nd-3rd Sp. Pr. *Friendship-200 JT* 1983



1. ? =

**515.**

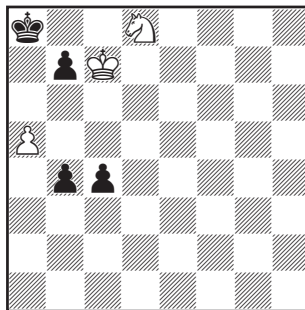
ROLF RICHTER  
Sp. Pr. *Schach* 1983



1. ? =

**516.**

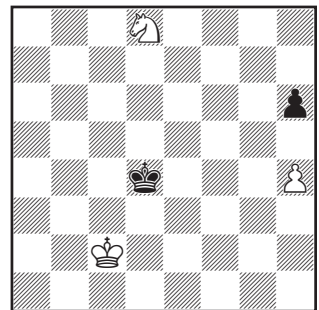
N. PANKRATIEV  
*Revista Română de Șah* 1983



1. ? =

**517.**

VIKTOR KONDRATEV,  
ALEKSEI KOPNIN &  
NIKOLAY POPKOV  
*Československý šach (c)* 1984

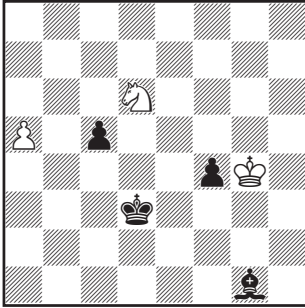


1. ? +-



518.

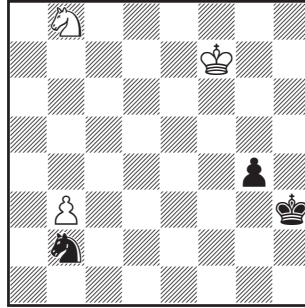
VLADIMIR SHUPLETSOV  
1st Pr. *Molodoi Leninet*  
1985



1. ?                    +-

519.

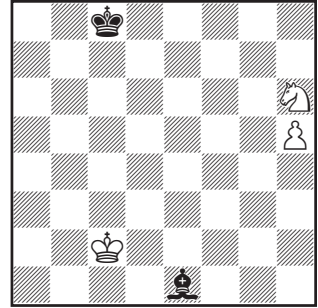
VALERY VLASENKO  
*Shakhmaty v SSSR* 1986



1. ?                    =

520.

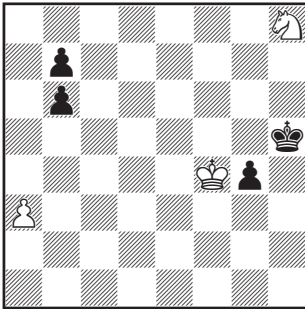
OLEG PERVAKOV  
Sp. HM *Molodoi Leninet*  
(Kurgan) 1986



1. ?                    +-

521.

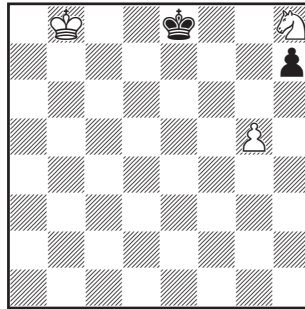
NOAM ELKIES  
5th Pr. *Assiac MT New Statesman* 1987



1. ?                    +-

522.

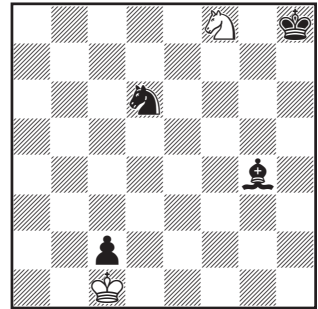
PÁL BENKŐ  
1st Pr. *J. Ban MT* 1989



1. ?                    +-

523.

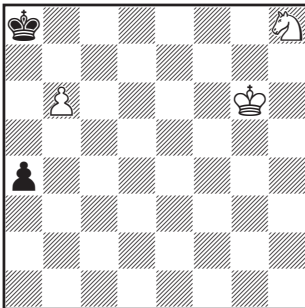
MARIO MATOUŠ  
1st Pr. *Československý šach*  
1989



1. ?                    =

524.

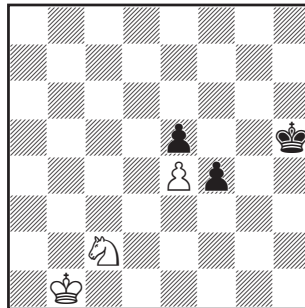
JARL H. ULRICHSEN  
*Springaren* 1989



1. ?                    =

525.

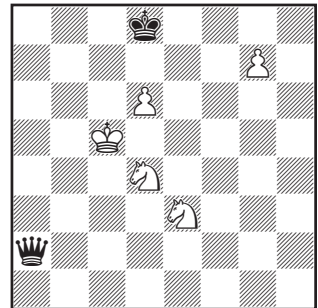
DAVID BLUNDELL  
1st Pr. *Diagrammes* 1994



1. ?                    +-

526.

MARIO MATOUŠ  
*Mat Pat* 1995

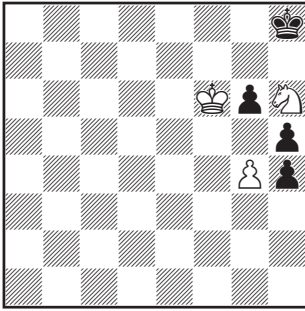


1. ?                    +-

# AGILE KNIGHT

**527.**

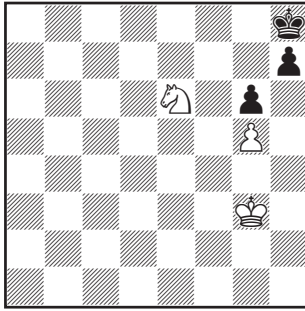
JÜRI RANDVIIR  
*Die Schwalbe 1995*



1. ?                    +-

**528.**

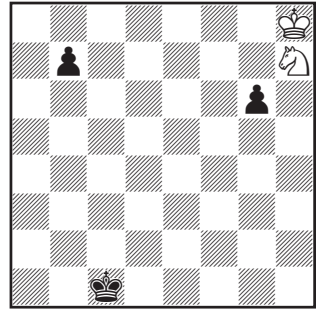
JÜRI RANDVIIR  
4th Comm. *Rochade Europa*  
1996



1. ?                    +-

**529.**

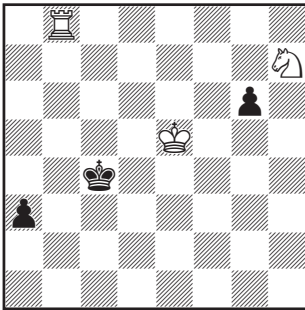
YOCHANAN AFEK  
2nd Pr. *Moscow congress (v)*  
2003



1. ?                    =

**530.**

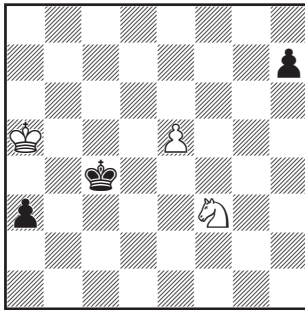
VALERY VLASENKO  
*Razumenko-70 JT 2007*



1. ?                    +-

**531.**

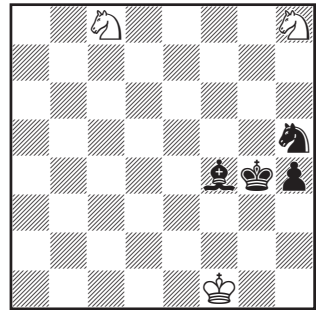
YOCHANAN AFEK  
(After Grigoriev)  
HM *David Gurgenzidze-55 JT*  
2008



1. ?                    =

**532.**

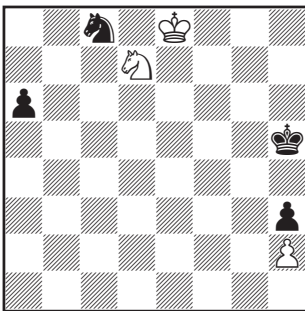
YOCHANAN AFEK  
4th HM *Matouš JT 2008*



1. ?                    =

**533.**

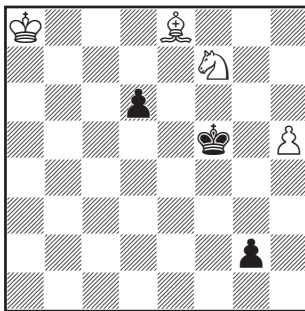
YOCHANAN AFEK  
5th Pr. *Olimpiya dünyasi*  
2008



1. ?                    =

**534.**

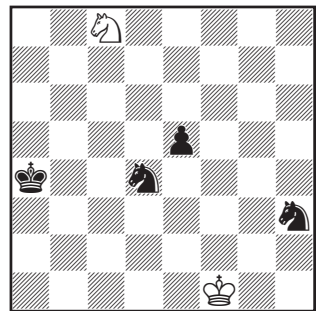
NIKOLAI KRALIN  
3rd Pr. *Moscow Ty 2008*



1. ?                    =

**535.**

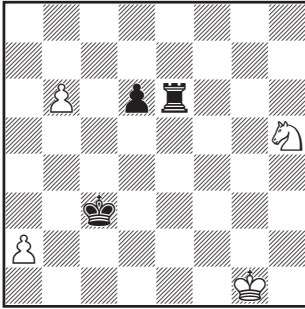
BIZIJAGIN  
BUYANNEMEKH  
*Olimpiya dünyasi 2008*



1. ?                    =

**536.**

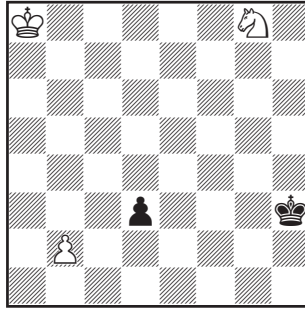
YOCHANAN AFEK  
1st Pr. *EG* 2011



1. ? =

**537.**

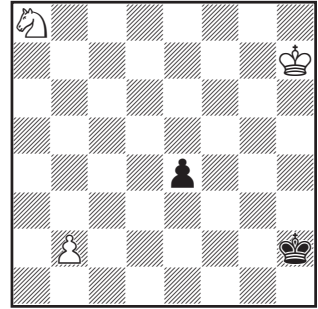
PAVEL ARESTOV  
Sp. Comm. *Problemist*  
*Ukraine* 2015



1. ? +-

**538.**

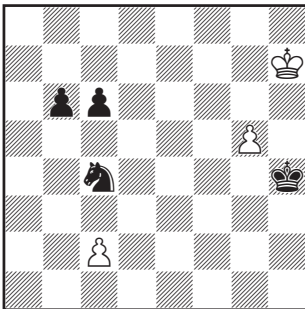
PAVEL ARESTOV  
5th Comm. *Sinfonie*  
*Scacchistiche-50 AT* 2015



1. ? +-

**539.**

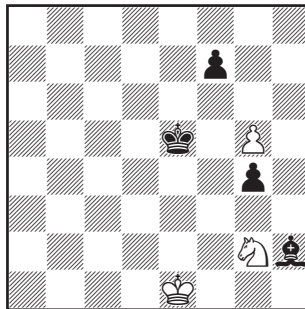
PAVEL ARESTOV  
5th Pr. *Afek-64 JT* 2016



1. ? =

**540.**

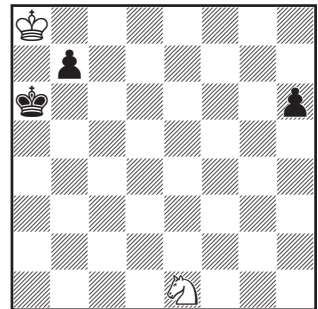
JAN TIMMAN  
1st HM *Dvoretsky-70 MT*  
2017



1. ? =

**541.**

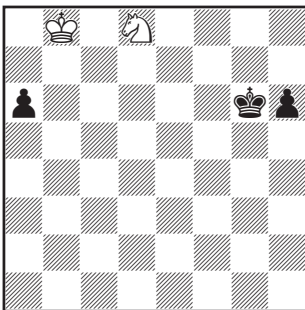
PAVEL ARESTOV &  
VLADISLAV TARASIUK  
1st Pr. *Cirtan* 2018



1. ? =

**542.**

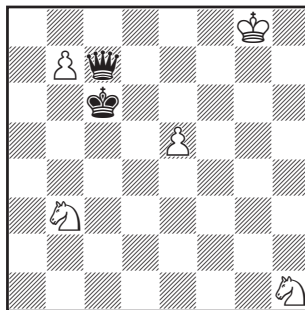
ALEXANDER ZHUKOV  
*Etyudy* 2019



1. ? =

**543.**

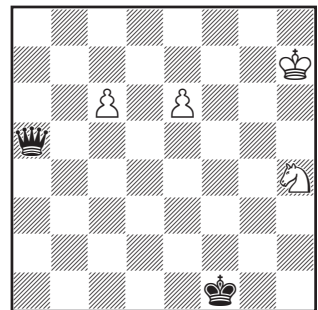
PETR KIRYAKOV &  
PAVEL ARESTOV  
*The Problemist* 2020



1. ? =

**544.**

ALEXANDER ZHUKOV  
*Etyudy* 2021



1. ? =





David Gurgenidze (Georgia, 26.9.1953)

**498.** 1. ♭h8! [1. ♭gf8? ♭d6=] ♭g8!  
[1... ♭e6 2. ♭h2+-] 2. ♭g2! ♭f4! 3.  
♭g6! ♭h6! 4. ♭g5 ♭g7! 5. ♭e7! [5. ♭d8?  
♭f6! 6. ♭e7 ♭f8 7. ♭h7 ♭e8=; 6. ♭f6; 5.  
♭e7? ♭f6 6. ♭f6=] ♭h8 6. ♭f7 ♭h7 7.  
♭h4! ♭f6! 8. ♭g5! [8. ♭f6?=] ♭h6 9.  
♭g8 ♭h5 10. ♭f6! ♭h4 11. ♭f3#

**499.** 1. ♭e6! g6 2. ♭f8! [2. ♭c3?  
♭a5! 3. ♭f8 ♭b1!-+] g5 3. ♭h7! g4 4.  
♭f6 g3 5. ♭h5 g2 6. ♭f4! g1♭! 7. ♭a3!  
♭b1 8. ♭d5! ♭e2 9. ♭b4 ♭bc1 10. ♭a2=

**500.** 1. ♭d2! ♭d4 2. ♭f1! ♭e4 3.  
♭c2 [3. ♭g3? ♭f3 4. ♭h5 ♭g2 5. h4  
♭h3=] ♭f3 [3... h4 4. ♭d2 ♭f3 5. ♭d3  
h3 6. ♭d4 ♭f2 7. ♭e4+-] 4. ♭d3 ♭f2  
[Main: 4... ♭g2 5. ♭e3! ♭f1 6. h4! (6.  
♭f4? ♭e2! 7. h4 ♭d3! 8. ♭g5 ♭e4 9. ♭h5  
♭f5=) ♭g2 7. ♭f4 ♭h3 8. ♭g5+-] 5.  
♭e3 ♭f3 6. ♭d4 h4 7. ♭d3 h3 8. ♭f1  
♭g2 9. ♭e2 ♭g1 10. ♭d2 ♭h2 11. ♭f2  
♭h1 12. ♭f1 h2 13. ♭g3#

**501.** 1. ♭d4 ♭c6 2. ♭c7 ♭d6 3. ♭b5  
♭c6 4. ♭a7! ♭d6 5. ♭c8 ♭c6 6. ♭e7

♭d6 7. ♭f5 [7. ♭g6? ♭f6=] ♭c6 8. ♭h6  
♭g7 9. ♭f7+-

**502.** 1. ♭c8! ♭a6 [1... ♭a8 2. ♭cb6  
♭a7 3. ♭c8 ♭a8 4. ♭d6! h2 5. ♭c7 h1♣ 6.  
♭db6#; 1... ♭b7 2. ♭d6 ♭c6 3. ♭e4+-] 2.  
♭b8 ♭a5 [2... ♭b7 3. ♭d6+-] 3. ♭c6  
♭a4 4. ♭b6 ♭a3 5. ♭c4 ♭a2 [5... ♭a4 6.  
♭b2+-] 6. ♭b4 ♭a1 7. ♭d3 h2 8. ♭f2+-

**503.** 1. ♭b5! [1. ♭fe6? c2 2. ♭d4  
c1♣ 3. ♭b3 ♭b2 4. ♭c1 ♭c1-+] c2 2.  
♭d4 c1♣ [2... ♭b1 3. ♭c2 ♭c2 4. ♭e6!  
g4 5. ♭g7! g3 6. ♭f5 g2 7. ♭e3 ♭d3 8.  
♭g2=] 3. ♭b3 ♭b1 4. ♭c1 ♭c1 5. ♭h7!  
[5. ♭e6? g4 6. ♭g7 (6. ♭c6 h4; 6. ♭d4 h4  
7. ♭c6 ♭d2 8. ♭d5 h3 9. ♭f5 h2 10. ♭g3  
♭e3+-) h4 7. ♭h5 h3 8. ♭g3 ♭d2 9. ♭c6  
♭e3 10. ♭d5 ♭f3+-] g4 6. ♭f6 g3 7.  
♭h5 g2 8. ♭f4 g1♣ 9. ♭e2=

**504.** 1. ♭e5! [1. ♭f5? ♭f5 2. ♭d6  
♭g4 3. ♭e4 ♭g3! 4. ♭g3 ♭h3! 5. ♭f1  
♭f5 6. ♭e3 ♭g3#] ♭g5 2. ♭f5! ♭f5 3.  
♭g4! ♭g3 [3... ♭g4=] 4. ♭h2 f1♭! 5.  
♭h3 ♭f3 6. ♭e3! ♭e3 7. ♭g3=

**505.** 1. ♖b7! ♙e3 2. ♗d6 ♘c6 [2... ♘d7 3. ♗c4 ♙d4 4. ♘b3 ♘b5 5. ♙g5+–] 3. ♗f5! [3. ♗c4? ♙f2=] ♙f2 [3... ♙d2 4. ♘b3! ♙e2 5. ♗d4+–] 4. ♘b3! ♘a8! [4... ♘g2 5. ♗h4! ♘e4 6. ♘c4!+–; 4... ♘b7 5. ♗d6 ♘c6 6. ♘c4+–] 5. ♘c4 ♘g2! 6. ♗d6! [6. ♗h4? ♘f1!]=] ♙e3 7. ♗b5! ♙d2 [7... ♘f1 8. ♗c3+–] 8. ♗a3! ♙e3 9. ♗b1! ♘f1 10. ♗c3! ♙d4 11. ♗d1! ♙c4 12. ♗e3+–

**506.** 1. ♗8f6 h2 2. ♙f7 ♘d5 [2... ♘e8 3. ♗e8 h1♖ 4. ♘e3 As main line] 3. ♗d5 h1♖ 4. ♘e3 ♙h7 5. ♗g5 ♙h6 6. ♗e6 ♙h5 [6... ♙h7 7. ♗f8 ♙h8 8. ♘d4♯] 7. ♗f6 ♙h4 8. ♘f2 ♙h3 9. ♗f4 ♙h2 10. ♗g4♯

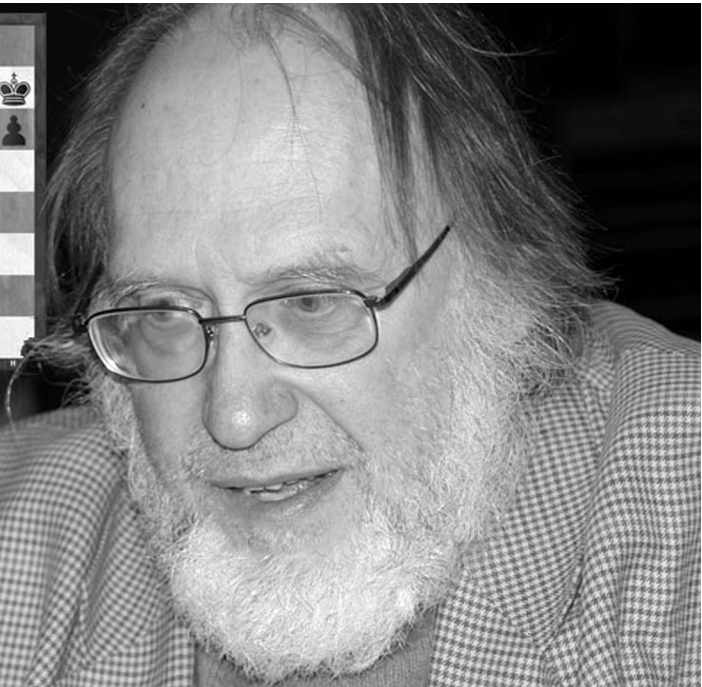
**507.** 1. ♙a3!! [1. ♙b2? ♙f7! 2. ♙c3 ♙g7 3. ♙b4 ♙h7 4. ♙b5 h5+–; Logical try: 1. ♙b3? ♙e6! 2. ♗f8 ♙f5 3. ♗d7 h5 4. ♗c5 h4 5. ♗d3 h3 6. ♗f2 h2+–] ♙e6! [1... ♙f7 2. ♙b4 ♙g7 (2... ♙g6 3. ♗f8 ♙f5 4. ♗d7=) 3. ♙b5 ♙h7 4. ♙c4=] 2.

♗f8! [2. ♙b4? ♙f5! 3. ♗f8 h5 4. ♗d7 h4 5. ♗c5 h3 6. ♗d3 h2 7. ♗f2 ♙f4 8. ♙b5 ♙f3 9. ♗h1 ♙g2+–] ♙f5! 3. ♗d7 h5 4. ♗c5 [4. ♗b6? h4 5. ♗d5 ♙e4! 6. ♗f6 (6. ♗c3 ♙f3=) ♙f3 7. ♗h7 ♙f4+–] h4 5. ♗b3! h3 6. ♗d2 h2 7. ♗f1! h1♖ 8. ♗g3 ♙g4 9. ♗h1=

**508.** 1. ♗h5 g2 2. ♗f4 g1♖ [2... g1♗ 3. ♗e6=; 2... g5 3. ♗g2 ♙d3 4. ♗e1 (4. ♙b5? ♙e2+–) ♙e2 5. ♗c2 g4 6. ♗d4 ♙f2 7. ♗f5=] 3. ♗e2 ♙e3 4. ♗g1 g5 5. ♗h3 g4 6. ♗g5 ♙f4 7. ♗e6 ♙e5 8. ♗c5 [8. ♗g5? ♙f5+–] g3 9. ♗d3 ♙e4 10. ♗e1=

**509.** 1. d6! cd6 2. c7 ♗d5! 3. c8♗! ♗df6 4. ♙h8! d5 5. ♗e7! d4 6. ♗c6 d3 7. ♗e5 d2 8. ♗c4! d1♗ 9. ♗e3! ♗e3=

**510.** 1. g4 b3 2. ♙d3! b2 3. ♙c2 ♙g3 4. g5 ♙f3! 5. ♗f8! [5. ♗f6? ♙f4 6. g6 ♙g5 7. g7 ♙h6 8. g8♖ b1♖ 9. ♙b1 c2 10. ♙c2=] ♙e2 6. ♗e6 b1♖ 7. ♙b1 ♙d1 8. ♗d4+–



Gijs van Breukelen (Netherlands, 27.2.1946)

**511.** 1. ♀f6 g3 2. ♀h5 g2 3. ♀f4 g1 ♣  
4. ♀g6 ♣g6 5. ♀g6 ♀h7 6. ♀f6! [6. ♀f7?  
♀f5!-+] ♀g8 7. ♀g6=

**512.** 1. ♀d6! e2 2. ♀f7 ♀h5 3. ♀e5!  
e1 ♣ 4. g4 ♀h6 5. ♀f7 ♀h7 6. ♀g5 ♀h8 7.  
♀f7 ♀h7 8. ♀g5=

**513.** 1. ♀f2! [1. ♀g3? ♀g5 2. ♀e2  
♀f6! 3. ♀g3 ♀f5! 4. ♀f4 ♀g5!-] ♀g5 2.  
♀g3 [2. ♀d3? ♀f6 3. ♀g3 ♀f5 4. ♀f4  
♀g5=] ♀f5 3. ♀d3! ♀e4 4. ♀f4 ♀f5 5.  
♀e6! ♀e5 6. ♀c7 ♀f5 7. ♀a8!! [7. ♀a6?  
♀e5 8. ♀b4 ♀d4=] ♀e5 8. ♀b6 ♀f5 9.  
♀c8 ♀e5 10. ♀e7 ♀f6 11. ♀g4! ♀e7 12.  
♀g5!+-

**514.** 1. ♀d1! [1. b7? b1 ♣ 2. b8 ♣ ♣f5  
3. ♀g7 ♣g5 4. ♀h8 ♣h4 5. ♀g7 ♀f2 6.  
♣a7 (6. ♣e8? ♀a3 7. ♣f8 ♀a2; 6. ♣a8  
♀a5 7. ♣e8 ♀a3 8. ♣f8 ♀a2 9. ♣f7  
♀b3-+) ♀a5 7. ♣d7 ♀a3 8. ♣d6 ♀b3 9.  
♣b6 ♀a4-+] b1 ♀ 2. b7! [2. ♀b2? ♀a5 3.  
b7 ♀c5 4. ♀c4 ♀a6 5. b8 ♀ ♀b7-+; 2.  
♀e7? ♀a5 3. ♀d7 ♀b5 4. ♀c7 ♀a6-+]  
♀c5 3. b8 ♀! [3. ♀b2? ♀a5 4. ♀c4 ♀a6 5.  
♀d6 ♀b6 6. ♀e7 ♀c7-+] ♀b3 4. ♀e7  
♀c2 5. ♀d7! ♀e4 6. ♀f6!! ♀gf6 [6... ♀ef6  
7. ♀e3! ♀e3 8. ♀f6=] 7. ♀f2! ♀d5 8.  
♀e6 ♀ec3 9. ♀e4! ♀f4 10. ♀f5 ♀ce2 11.  
♀g3!-]

**515.** 1. ♀c6! [1. ♀f7? g3 2. ♀h6  
♀f4-+] ♀e4 2. ♀d8! ♀d5 3. ♀f7 ♀e6 4.  
♀d8! [4. ♀h8? ♀f6-+; 4. ♀g5? ♀f5 5.  
♀f7 g3 6. ♀d6 ♀f4 7. ♀b5 g2 8. ♀c3  
g1 ♣-+] ♀d7 5. ♀f7! [5. ♀b7? g3 6. ♀c5  
♀e8 7. ♀e4 g2-+] ♀e6 6. ♀d8! [6. ♀g5?  
♀f5 7. ♀f7 g3 8. ♀d6 ♀f4 9. ♀b5 g2-+]  
♀f5 [6... ♀e5 7. ♀c6 ♀e4 8. ♀d8=] 7.  
♀c6 ♀e4 8. ♀d8! g3 9. ♀e6! [9. ♀f7?  
♀f4!-+] ♀f3 10. ♀d4! ♀f2 11. ♀e6! ♀f3  
12. ♀d4 ♀f2 13. ♀e6 g2 14. ♀f4! g1 ♣ 15.  
♀h3=

**516.** 1. a6! ba6 2. ♀c6 [2. ♀b7? c3 3.  
♀a5 c2 4. ♀b3 a5 5. ♀b6 a4-+] b3 3.

♀a5 b2 4. ♀c4 b1 ♣ 5. ♀b6 ♀a7 6. ♀c8  
♀a8 7. ♀b6=

**517.** 1. ♀f7! h5 [1... ♀e4 2. ♀h6 ♀f4  
3. ♀d3 ♀g3 4. ♀f5 ♀g4 5. ♀e4-+] 2.  
♀h6! [2. ♀h8? ♀e5=] ♀e4 3. ♀c3! ♀e3  
[Main: 3... ♀f4 4. ♀d4 ♀g3 5. ♀f5 ♀f4 6.  
♀e7! ♀g4 7. ♀g6 ♀f5 8. ♀e5 ♀f4 9. ♀d5  
♀f5 10. ♀d6 ♀f6 11. ♀c4! ♀f5 12. ♀e3  
♀f4 13. ♀g2 ♀g3 14. ♀e5! ♀g2 15. ♀f4!  
♀h3 16. ♀g5+-] 4. ♀c4 ♀e4 5. ♀c5!  
♀e5 6. ♀c6 ♀e6 7. ♀c7! ♀f6! [7... ♀e7 8.  
♀f5 ♀f6 9. ♀g3!+-] 8. ♀d6! ♀g6 9.  
♀g8 ♀f5 10. ♀e7 ♀g4 11. ♀g6 ♀f5 12.  
♀e5 ♀f6 13. ♀c4! ♀f5 14. ♀e3 ♀f4 15.  
♀g2 ♀g3 16. ♀e5! ♀g2 17. ♀f4! ♀h3  
18. ♀g5+-

**518.** 1. ♀c4! f3 [1... ♀e2 2. a6 f3 3. a7  
f2 4. a8 ♣ f1 ♣ 5. ♣e4 ♀d1 6. ♣b1 ♀e2 7.  
♣c2 ♀e1 8. ♣d2#] 2. ♀f3 ♀h2 3. a6  
♀b8 4. ♀e5! ♀d2! 5. ♀c6 c4 6. ♀b8 c3 7.  
♀c6! [7. a7? c2 8. a8 ♣ c1 ♣=] c2 8. ♀d4  
c1 ♣ 9. ♀b3+-

**519.** 1. ♀c6! g3 2. ♀d4 g2 3. ♀e2! [3.  
♀f3? ♀g3 4. ♀g1 ♀h2 5. ♀f3 ♀h1 6. b4  
♀d3 7. b5 ♀e5-+] ♀h2 4. b4 ♀a4 5. b5  
♀h1! [5... ♀c3 6. b6 ♀e2 7. b7 g1 ♣ 8.  
b8 ♣=] 6. ♀f8! [6. ♀e7?/♀f6? 6... ♀c3 7.  
b6 ♀d5=; 6. ♀e6? ♀c3 7. b6 ♀a4 8. b7  
♀c5-+; 6. ♀e8? ♀c3 7. b6 ♀e2 8. b7  
g1 ♣ 9. b8 ♣ ♣g8-+] ♀c3! 7. b6 ♀a4! 8.  
b7 ♀c5 9. b8 ♀! ♀d3 [9... ♀e6 10. ♀e7  
♀f4 11. ♀f4 g1 ♣ 12. ♀e6!-] 10. ♀c6  
♀c1 11. ♀cd4 ♀e2 12. ♀e2=

**520.** 1. ♀f5! ♀a5 2. ♀d6 ♀d7 3. h6  
♀b6 4. ♀d3! ♀d8 5. ♀e4 ♀c7 6. ♀f6  
♀e6 7. h7+-

**521.** 1. ♀f7! [1. a4? g3 2. ♀g3 ♀g5 3.  
♀f3 ♀f5 4. ♀e3 ♀e5 5. ♀d3 ♀d5 6. ♀c3  
♀c5 7. ♀b3 b5 8. a5 b4 9. ♀a4 b3=] g3  
2. ♀g3 ♀g6 3. ♀h8!! [3. ♀d8? ♀f6 4.  
♀f4 ♀e7 5. ♀b7 ♀d7 6. ♀e5 ♀c6 7.  
♀d6 ♀c5=] ♀g7 4. a4! ♀h8 5. ♀f4 ♀g7

6. ㄱe5 ㄱf7 7. ㄱd6 ㄱe8 8. ㄱc7 ㄱe7 9. ㄱb6! ㄱd7 10. ㄱb7+-

**522.** 1. ㄱc8! [1. ㄱc7? ㄱe7! 2. ㄱc6 ㄱe6=] ㄱf8 [1... ㄱe7 2. ㄱc7 ㄱe6 3. ㄱd8! ㄱf5 4. ㄱf7 ㄱg6 5. ㄱe8 ㄱg7 6. ㄱe7+-] 2. ㄱg6! [2. ㄱd7? ㄱg7 3. ㄱe6 h6! 4. g6 h5=] ㄱf7! [2... hg6 3. ㄱd8 ㄱf7 4. ㄱd7 ㄱf8 5. ㄱe6 ㄱg7 6. ㄱe7 ㄱg8 7. ㄱf6 ㄱh7 8. ㄱf7+-] 3. ㄱf4! [3. ㄱh4? ㄱe8! 4. ㄱg2 ㄱe7 5. ㄱf4 ㄱd6 6. ㄱh5 ㄱe6=] h6! 4. g6 ㄱf6 5. ㄱd7 h5 6. ㄱe8 ㄱg7 7. ㄱe7 h4 8. ㄱe6 h3 9. ㄱf5 h2 10. ㄱh5 ㄱf8 11. ㄱg3+-

**523.** 1. ㄱg6 ㄱg7 2. ㄱe5! [2. ㄱh4? ㄱd1 3. ㄱg2 ㄱf5 4. ㄱe1 ㄱd4 5. ㄱb2 ㄱf6 6. ㄱc2 ㄱc2 7. ㄱc3 ㄱe5+-] ㄱd1! [2... ㄱf5 3. ㄱc4! ㄱc4=] 3. ㄱc4! ㄱf5 4. ㄱb2 ㄱe3 5. ㄱc4! ㄱd5! [5... ㄱg4 6. ㄱa3 ㄱe3 7. ㄱc2 ㄱc2 8. ㄱd2=] 6. ㄱa3 ㄱb4 7. ㄱd2 ㄱf6 8. ㄱc2 ㄱc2 9. ㄱc3=

**524.** 1. ㄱf7 a3 [1... ㄱb7 2. ㄱd6 ㄱb6 3. ㄱc4=] 2. ㄱd8! a2 3. b7 ㄱb8 4. ㄱc6 ㄱb7 5. ㄱa5 ㄱb6 6. ㄱb3 ㄱb5 7. ㄱf5/ㄱa1 7... ㄱb4 8. ㄱa1/ㄱf5 8... ㄱc3 9. ㄱe4 ㄱb2 10. ㄱd3 ㄱa1 11. ㄱc2=

**525.** 1. ㄱa1!! [1. ㄱa3? f3 2. ㄱc4 ㄱg5! 3. ㄱc2 ㄱg4 4. ㄱd3 f2 5. ㄱe2 ㄱf4 6. ㄱd2 f1 7. ㄱf1 ㄱe3=; 1. ㄱc1? f3 2. ㄱd2 f2 3. ㄱe2 ㄱg4 4. ㄱe3 ㄱf4 5. ㄱd3 ㄱg3 6. ㄱf1 ㄱf3 7. ㄱd2 ㄱf4! 8. ㄱe2 f1 9. ㄱf1 ㄱe3=; 1. ㄱe1? ㄱg4 2. ㄱc2 f3 3. ㄱd3 f2 4. ㄱf2 ㄱf3=; 1. ㄱb4? f3 2. ㄱd5 f2 3. ㄱe3 ㄱg5 4. ㄱc2 ㄱf4 5. ㄱd3 ㄱg3!]=] f3 2. ㄱb3 ㄱg4 [2... ㄱg5 3. ㄱc2 ㄱg4 4. ㄱc3 ㄱg5 5. ㄱc4+-] 3. ㄱc2 ㄱg3 4. ㄱc3 ㄱg4 5. ㄱc4 ㄱg3 6. ㄱd5 [Or 6. ㄱd2 ㄱf4 7. ㄱd5+-] ㄱf4 7. ㄱd2 f2 8. ㄱf1+-

**526.** 1. ㄱc4! ㄱa7 [1... ㄱg2 2. ㄱe5 ㄱg1 3. g8 ㄱg8 4. ㄱdc6 ㄱe8 5. d7+-] 2. ㄱd5 [2. ㄱb6? ㄱa3! 3. ㄱc6 ㄱa2 4. ㄱb7 ㄱg8 5. d7 ㄱe7 6. ㄱf5 ㄱe6 7. ㄱc7 ㄱf5 8. d8 ㄱg7=] ㄱf7 3. ㄱe6 ㄱe8 4.

d7! [4. ㄱe5? ㄱb7 5. ㄱd4 ㄱd5 (5... ㄱb2) 6. ㄱd5=] ㄱd7 5. ㄱd6 ㄱe7 6. g8 ㄱh

**527.** 1. g5 h3 [1... ㄱh7 2. ㄱf5 g5 3. ㄱf7!+-] 2. ㄱf5! h4! 3. ㄱh4 h2 4. ㄱg6 ㄱh7 [4... ㄱg8 5. ㄱe7 ㄱf8 6. g6 h1 7. g7 ㄱe8 8. g8 ㄱd7 9. ㄱc8 (9. ㄱe6 ㄱc7 10. ㄱd5+-) ㄱd6 10. ㄱf5 ㄱd5 11. ㄱa8+-] 5. ㄱe7 h1 6. g6 ㄱh6 7. ㄱf5 ㄱh5 8. ㄱg3+-

**528.** 1. ㄱg4! [1. ㄱf8? h6! 2. gh6 ㄱg8 3. h7 ㄱg7=; 1. ㄱf4? ㄱg8 2. ㄱe5 h6!]=] ㄱg8 2. ㄱf4 ㄱf7 [2... ㄱh8 3. ㄱf8! ㄱg7 4. ㄱh7!+-] 3. ㄱe5 ㄱe7 4. ㄱd8!! [4. ㄱd5? ㄱf7 5. ㄱd6 ㄱg8!]=; 4. ㄱc7? ㄱf7 5. ㄱd5 ㄱg7!]=; 4. ㄱd4? ㄱf7 5. ㄱd6 h6!]=] ㄱd8 5. ㄱf6 ㄱe8 6. ㄱg7 ㄱe7 7. ㄱh7 ㄱf7 8. ㄱh6+-

**529.** Version: Internet 2015 1. ㄱf8! g5 2. ㄱh7 g4 3. ㄱf6 g3 4. ㄱh5 g2 5. ㄱf4 g1 6. ㄱe2 ㄱd2 7. ㄱg1 ㄱe3! 8. ㄱh3 b5 9. ㄱg5 b4 10. ㄱf7! b3 11. ㄱd6 ㄱd3 12. ㄱb5 b2 13. ㄱa3=

**530.** 1. ㄱb1 ㄱc3 2. ㄱe4 g5! 3. ㄱf8! [3. ㄱg5? a2 4. ㄱa1 ㄱb2 5. ㄱd3 ㄱa1 6. ㄱc2=] g4 4. ㄱe6 a2 5. ㄱa1! ㄱb2 6. ㄱd3 g3 7. ㄱd4 ㄱa1 8. ㄱc2 g2 9. ㄱb3#

**531.** 1. ㄱd2 [1. ㄱa4? a2 2. ㄱd2 ㄱd5 3. ㄱb3 h5 4. e6 ㄱd6 5. ㄱa3 h4 6. ㄱa2 h3 7. ㄱd2 h2 8. ㄱe4 ㄱe6 9. ㄱf2 ㄱf5 10. ㄱb3 ㄱf4 11. ㄱc4 ㄱf3 12. ㄱh1 ㄱg2 13. ㄱd3 ㄱh1 14. ㄱe2 ㄱg2-+] ㄱd5 2. ㄱb1! a2! [2... h5 3. ㄱa3 h4 4. ㄱc2 h3 5. ㄱe3=] 3. ㄱc3 ㄱe5 4. ㄱa2 ㄱd4! 5. ㄱb4! [5. ㄱb4 h5 6. ㄱc3 ㄱe3!+- 7. ㄱd5 ㄱf3 8. ㄱc7 h4 9. ㄱe6 ㄱg4! 10. ㄱb5 h3 11. ㄱc6 h2 12. ㄱd5 h1 13. ㄱe5 ㄱh5 14. ㄱd6 ㄱh1 15. ㄱd7 ㄱd1 16. ㄱc6 ㄱf5 17. ㄱc7 ㄱc2 18. ㄱd7 ㄱa4 19. ㄱc8 ㄱe5 20. ㄱb8 ㄱd6 21. ㄱa6 ㄱc6 22. ㄱc5 ㄱa2 23. ㄱb7 ㄱb2 24. ㄱc8 ㄱb7 25. ㄱd8 ㄱd7#] h5 6. ㄱc2! [6. ㄱc6? ㄱe4 7. ㄱd8 h4 8. ㄱe6 ㄱf5! 9. ㄱd4



ǎg4! 10. ǎc2 ǎf4—+ǎ ǎe4 7. ǎa3!! h4 8. ǎc4 h3 9. ǎd2 ǎf4 10. ǎf1=

**532.** 1. ǎg6! [1. ǎe7? ǎg3 2. ǎg1 (2. ǎg2 h3 3. ǎg1 h2 4. ǎh2 ǎf5 5. ǎg2 ǎe7 6. ǎf7 ǎc7!) ǎe2! 3. ǎf2 (3. ǎh1 ǎh3 4. ǎf5 ǎg3—+) h3 4. ǎd5 ǎg3 5. ǎf1 ǎf3 6. ǎf7 ǎh4 7. ǎe5 ǎg3—+ǎ ǎg3 2. ǎg1! [2. ǎg2? h3! 3. ǎh2 ǎc7—+ǎ] ǎe3 3. ǎh2! [3. ǎg2? h3 4. ǎh2 ǎf1 5. ǎh1 h2 6. ǎg2 ǎg1 7. ǎe5 (7. ǎd6 ǎg3 8. ǎe5 ǎh5—+) ǎf4 8. ǎg6 ǎg5! 9. ǎe5 ǎe3! 10. ǎh1 ǎf4 11. ǎd3 ǎf3 12. ǎd6 ǎf1—+ǎ] ǎf1! 4. ǎg2 [4. ǎh1? ǎh3!—+ǎ] h3! 5. ǎf1 ǎg3! 6. ǎd6! h2 7. ǎe4 ǎh3 8. ǎf4! [8. ǎf2? ǎf2 9. ǎf4 ǎg3 10. ǎe2 ǎf3—+ǎ] ǎf4 9. ǎf2 ǎg3 10. ǎe4 ǎf3 11. ǎd2! [11. ǎf2? ǎg3! 12. ǎh1 ǎh4 13. ǎf2 ǎg3 14. ǎh1 ǎh3—+zz] ǎd2=

**533.** 1. ǎc5! [1. ǎf6? ǎg5 2. ǎe4 ǎf4 3. ǎf2 a5 4. ǎd7 a4—+; 1. ǎd8? a5 2. ǎc8 a4 3. ǎc5 a3 4. ǎd7 ǎg4 5. ǎc6 ǎf3—+ǎ] a5 2. ǎd7 ǎg4! [2... ǎb6 3. ǎc6 a4! 4. ǎb6 a3 5. ǎb3 ǎg4 6. ǎc5! ǎf3 7. ǎd4 ǎg2 8. ǎe3 ǎh2 9. ǎf2=] 3. ǎc6 [3. ǎc8? ǎf3 4. ǎc7 ǎg2—+ǎ] ǎf3 4. ǎb5 ǎd6! [4... ǎg2 5. ǎe6=] 5. ǎa5 [5. ǎa4? ǎg2 6. ǎd3 ǎh2 7. ǎf4 ǎb7—+ǎ] ǎb7! 6. ǎb7 ǎg2 7. ǎd6! ǎh2 8. ǎc4!! [8. ǎf5? ǎg1!—+ǎ] ǎg1 [8... ǎg3 9. ǎe3=] 9. ǎe5 ǎg2 10. ǎg4 ǎg3 11. ǎe3=

**534.** 1. h6! [1. ǎd6? ǎe6 2. ǎb5 g1 3. ǎb7 3c5 4. ǎc7 ǎd6 5. ǎb5 ǎe7 6. ǎc7 3b4 7. ǎb5 ǎd6 8. h6 3h4 9. ǎa6 3h6—+ǎ] g1 2. h7 3h1 3. ǎc6! 3h7 [3... 3c6 4. ǎa7! d5 5. h8 3c7 6. ǎa6 3f7 7. ǎb5=] 4. ǎe4! ǎe4 5. ǎg5 ǎf5 6. ǎh7 d5 7. ǎf8! d4 8. ǎd7 d3 9. ǎb6! =

**535.** 1. ǎb6! [1. ǎg2? ǎg5 2. ǎf2 ǎb5 3. ǎe7 ǎc4 4. ǎg6 e4 5. ǎe5 ǎc3 6. ǎg4 ǎf5 7. ǎe2 ǎd4—+ǎ] ǎb5 2. ǎd7 e4 3. ǎf6 e3 4. ǎd5 e2 5. ǎe1 ǎc4 6. ǎc3! ǎc3=

**536.** 1. a4! [1. ǎf4 ǎe4 2. ǎd5 ǎd4 3. ǎf6 ǎe1 4. ǎg2 ǎb1 5. ǎd7 ǎd5—+ǎ] ǎb4 [1... ǎe1 2. ǎf2 ǎb1 3. ǎf6 ǎb4 4. ǎe4 d5 5. b7 ǎa5 6. ǎc5=] 2. b7 ǎe8 3. a5!! ǎa5 [3... ǎb5 4. ǎf6 ǎb8 5. ǎe4 d5 6. ǎc3=] 4. ǎf6 ǎb8 5. ǎe4! d5 6. ǎc3 d4 7. ǎe2! d3 8. ǎc1! d2 9. ǎb3 ǎb4 10. ǎd2=

**537.** 1. ǎf6 d2 2. ǎe4! d1 3. b4 ǎb2 4. b5 ǎc4 [4... ǎa4 5. ǎb7! ǎg4 6. ǎc6! ǎf4 7. ǎc5—+ǎ] 5. ǎd2! ǎd2 [5... ǎd6 6. b6 ǎg4 7. ǎe4—+ǎ] 6. b6 ǎc4! 7. b7 ǎb6 8. ǎb8! [8. ǎa7? ǎd7=] ǎd7! 9. ǎc8!—+ [9. ǎc7? ǎc5! =]

**538.** 1. ǎc7! [1. ǎb6? e3 2. ǎc4 e2 3. ǎe5 ǎg2 4. ǎd3 ǎf3 5. ǎg6 ǎe3=] e3 [1... ǎg3 2. ǎd5—+ǎ] 2. ǎb5! [2. ǎe6? ǎg3! 3. ǎd4 ǎf4 4. ǎg6 ǎe4=] e2 [2... ǎg3 3. ǎc3! ǎf4 4. ǎg6 ǎe5 5. ǎg5 ǎd4 6. ǎg4—+ǎ] 3. ǎd4! e1 4. b4 ǎd3 5. b5 ǎc5 6. b6 ǎg3 7. ǎg8! [7. ǎg6? ǎf4! 8. ǎe6 ǎe6 9. b7 ǎf8! 10. ǎf7 ǎd7 11. ǎe7 ǎb8=; 7. ǎg7? ǎf4 8. ǎe6 ǎe6=] ǎf4 [7... ǎb7 8. ǎf7! ǎf4 9. ǎe6! ǎe4 10. ǎb3!—+; 7... ǎd7 8. b7 ǎf4 9. ǎf7 ǎe5 10. ǎe7—+ǎ] 8. ǎe6! ǎe6 9. b7—+

**539.** 1. g6 ǎd6! 2. g7 ǎe8 3. g8 ǎ! ǎg5 4. ǎe7 c5 5. ǎg8! ǎd6 6. ǎd5/ǎf8 6... b5 7. ǎf8/ǎd5 7... ǎf5 8. ǎe7 ǎe5 9. ǎc7! [9. ǎb6? ǎc4—+ǎ] c4! [9... b4 10. ǎd7 c4 11. ǎa6 b3 12. cb3 cb3 13. ǎc5 b2 14. ǎd3=] 10. ǎd7 c3 11. ǎd8!! [11. ǎc6? b4 12. ǎd5 b3 13. cb3 c2 14. ǎb4!/? c1 3—+ǎ] ǎd4 12. ǎd7! [12. ǎe7? ǎc8—+/ǎc5—+ǎ] ǎe5 [12... b4 13. ǎd6 b3 14. ǎb5=] 13. ǎd8! b4 [13... ǎe4 14. ǎd7 ǎe5 15. ǎd8=; 13... ǎb7 14. ǎe7 b4 15. ǎa6 — main line.] 14. ǎa6! ǎb7! [14... b3 15. cb3 — main line.] 15. ǎe7! [15. ǎc7? b3 16. cb3 c2 17. ǎb4 c1 3—+; 15. ǎd7? b3 16. cb3 c2 17. ǎb4 ǎc5—+ǎ] b3 16. cb3 c2 17. ǎb4! c1 3 18. ǎd3=

**540.** 1. g6! fg6 2. c̣f2 [2. ḍe3 c̣f4—+] c̣e4 [Main: 2... ḍf4 3. ḍe1! (3. ḍh4? g5! 4. ḍg6 c̣f6! 5. ḍf8 ḍd6 6. ḍd7 c̣e6 7. ḍb6 ḍc5—+) c̣e4 4. ḍc2 ḍd6 5. ḍa1! c̣d3 6. ḍb3 c̣c3 7. ḍc1=~~ḍa5~~=] 3. ḍh4! [3. ḍe1? ḍd6! 4. c̣g2 c̣e3 5. ḍc2 c̣d3! 6. ḍe1 c̣d2 7. c̣f2 ḍf4 8. ḍg2 g5—+] g5 4. ḍg6 ḍd6 5. ḍh8! c̣f5 6. ḍf7 ḍc7 7. ḍh6=

**541.** 1. c̣b8! [1. ḍd3? b5!—+] c̣b6 [1... b5 2. c̣c7=] 2. c̣c8 c̣c6 3. c̣d8 c̣d6! [3... h5 4. c̣e7 c̣d5 5. c̣f6=] 4. c̣e8! [4. c̣c8? b5! 5. c̣b7 c̣c5 6. ḍc2 h5—+] c̣e6 [Main: 4... c̣e5 5. c̣f7! (5. c̣d7? h5!—+) c̣f5 6. c̣e7 h5 7. c̣d6 c̣e4 8. ḍg2 c̣d4 9. ḍh4! (9. c̣e6? b5 10. c̣f5 b4 11. c̣f4 h4! 12. ḍe3 h3 13. ḍc2 c̣c3 14. ḍb4 h2—+) b5 10. ḍf5 c̣e4 11. ḍg3 c̣d4 12. ḍh5? b4 13. ḍf4 b3 14. ḍe2 c̣c4!—+; 12. ḍf5!]=] 5. c̣d8! b5 [5... c̣d6 6. c̣e8 c̣e6 7. c̣d8=] 6. c̣c7 c̣d5 7. c̣b6 b4 [7... c̣c4 8. ḍc2! h5 9. ḍa3 c̣d3! 10. c̣b5! h4 11. ḍc4 h3 12. ḍe5=] 8. c̣b5! b3 9. ḍd3 c̣d4 10. ḍb2 c̣c3 11. ḍa4 c̣d3 [11... c̣d2 12. c̣c4! h5 13. c̣d4 c̣e2 14. c̣e4 c̣f2 15. c̣f4! c̣g2 16. c̣g5=] 12. ḍc5 c̣e3! 13. ḍb3 h5 14. ḍa5! Grigoriev [14. ḍc5? h4 15. ḍe6 h3—+] h4 15. ḍc4 c̣f2! 16. ḍe5! c̣g3 17. ḍc4! c̣f2 18. ḍe5=

**542.** 1. ḍc6! h5 2. c̣c7! [2. c̣b7? c̣f5 3. ḍd4 c̣g4 4. c̣a6 h4 5. ḍc2 c̣f3—+] c̣f5! [2... h4 3. ḍe5 c̣f5 4. ḍf3 h3 5. c̣b6=] 3. c̣d6! [3. c̣b6 h4 4. ḍd4 c̣g4—+] c̣e4 [3... h4 4. ḍe5 a5 5. ḍf3 a4 6. ḍh4 c̣e4 7. ḍg2 c̣d4 8. ḍf4 a3 9. ḍe2=] 4. ḍe5! a5! [4... h4 5. ḍg4 a5 6. c̣c5=] 5. ḍc4 h4! [5... a4 6. c̣c5! h4 7. ḍd2 c̣f4 8. ḍf1=] 6. c̣c5! c̣f3 [6... h3 7. ḍd2=] 7. ḍe5! c̣g3 8. ḍc4! h3 9. ḍe3 c̣f3 10. ḍf1=

**543.** 1. ḍa5 c̣c5 [Main: 1... c̣d7 2. ḍg3! c̣c5 3. ḍf5 c̣d5 4. c̣g7 c̣c7 5. ḍe7 c̣c5 6. b8c̣c c̣b8 7. ḍc6=; 1... c̣b6 2. e6 c̣c8 3. c̣f7 c̣a5 4. e7=; 1... c̣d5 2. ḍf2 c̣e6 3. ḍc6! c̣c7 4. ḍd8=] 2. ḍf2 c̣b6 3. e6 c̣a5 4. e7! c̣c3 5. c̣h7! c̣c5 6. c̣g8! c̣c8 7. c̣f7 c̣c7 8. ḍh1!! [8. ḍg4? c̣d5 9. c̣f8 c̣f5—+] c̣b5 9. ḍg3! c̣c6 10. ḍf5 c̣c3 11. c̣f8 c̣c4 12. c̣f7 c̣c4 13. c̣f6 [13. c̣f8? c̣c5!—+] c̣d7 [13... c̣c3 14. c̣f7 c̣c3 15. c̣f8=] 14. e8c̣c! c̣e8 15. ḍd6 c̣d7 16. ḍc4=

**544.** 1. e7 c̣c7! [1... c̣c5 2. ḍg6 c̣c7 3. c̣g7 c̣c6 4. c̣f7=] 2. ḍf5! c̣c6 3. ḍe3!! c̣e2 4. ḍd5! c̣f3! 5. c̣g7! c̣e8 6. c̣f6 c̣e4 7. ḍc7 c̣c6 8. ḍe6=

**545.** 1. h7 [1. ḍb4? c̣d6 2. h7 c̣c5=] c̣c4 2. c̣b2 c̣c4 [2... c̣c8 3. ḍb4 c̣d6 4. ḍd3 c̣e7/c̣e5 5. ḍd8!—+] 3. ḍc3 c̣d6 [3... c̣c6/c̣c5 4. c̣e7! c̣c4 5. c̣c2 c̣c4 6. c̣b3 c̣d6 7. c̣a7—+] 4. ḍe4 c̣e5 [4... c̣c6 5. ḍg5!—+] 5. ḍh3!! c̣c3 6. ḍg5 c̣c8 7. h8c̣c! [7. ḍf7 c̣d5 8. h8c̣c c̣b7=] c̣c8 8. ḍf7—

**546.** 1. b7! a1c̣c 2. ḍb3 [Thematic try : 2. ḍc6 c̣a6 3. b8c̣c c̣f1 4. c̣g6 c̣c6!]=] c̣a6 [2... c̣a4 3. ḍa1—+] 3. b8ḍ! [3. ḍa1 ḍe7! 4. c̣e6 ḍc6! 5. c̣d7 c̣b7=] c̣b7 4. ḍa1 ḍf8! 5. ḍb3! c̣b8 6. ḍc5! c̣a7 7. e5!zz c̣b6 8. ḍd7! ḍd7 9. e6 c̣c7 10. e7—

**547.** 1. ḍb3 [1. c̣f8? ḍh7 2. ḍb3 c̣e4 3. ḍc5 c̣d5/c̣e5/c̣f5 4. ḍd7 c̣e6!]=] c̣e4 2. ḍc5 c̣e5! [2... c̣f5 3. ḍd7!zz c̣g5 4. ḍe5 — main line] 3. ḍd7 c̣f5zz 4. c̣f8! ḍh7 5. c̣f7! ḍg6 6. c̣g8!zz c̣g5 7. ḍe5! [7. ḍf8? ḍe8! 8. ḍh7 c̣g6=] ḍb1 8. ḍf7 c̣f6 9. c̣h8!—