

Yochanan Afek
ANTHOLOGY OF MINIATURE
ENDGAME STUDIES



Chess Informant
SINCE 1966

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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!

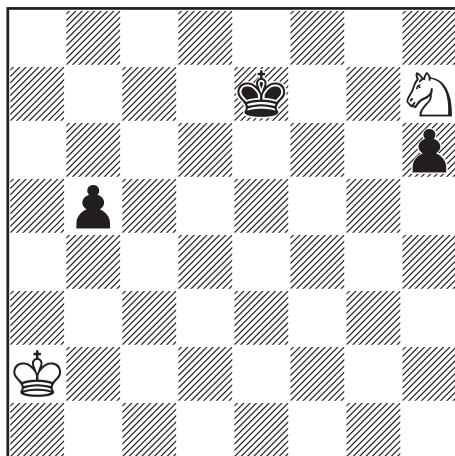
Yochanan Afek, Amsterdam, June 2022.

AGILE KNIGHT

507.

DAVID GURGENIDZE

64 1970



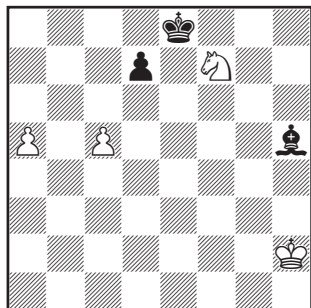
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The Knight is well compensated for its evident awkwardness, by unique movements and the ability to jump over both friendly and enemy pieces, along its route. It is also especially effective in employing certain tactical weapons, most notably a deadly 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.

491.

HERMAN MATTISON
Rigaer Tageblatt 1914

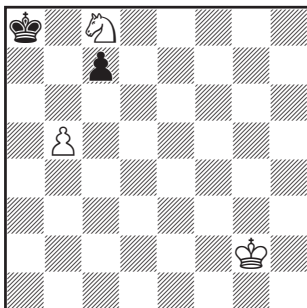


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492.

HANS FAHRNI
Das Endspiel im Schach
(Fahrni) 1917

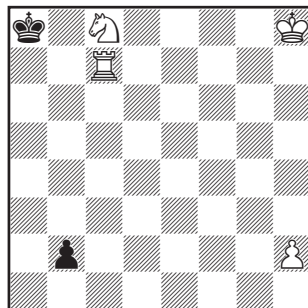


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493.

EVGENIJ SOMOV
NASIMOVICH
64 1927

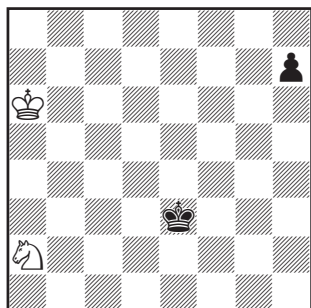


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494.

NIKOLAI GRIGORIEV
Izvestia 1932

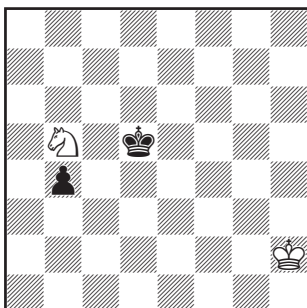


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495.

NIKOLAI GRIGORIEV
Source unknown 1938

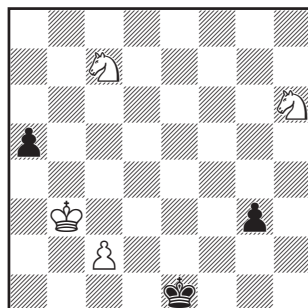


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496.

MARK LIBURKIN
64 (c) 1939

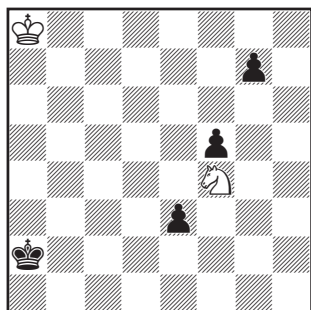


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497.

VITALY CHEKHOVER
3rd HM *Shakhmaty v SSSR*
1947

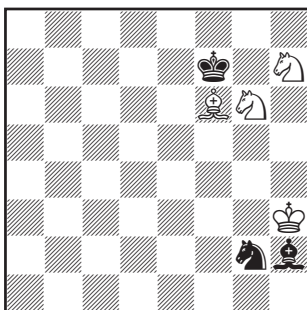


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498.

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

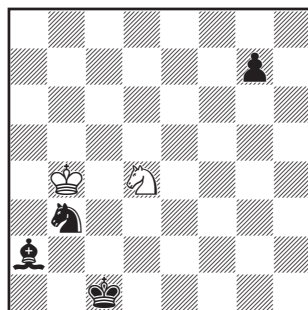


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499.

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



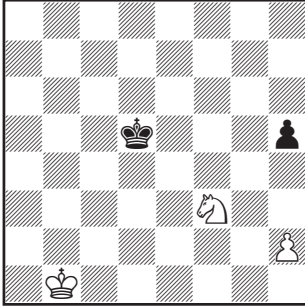
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500.

ERRKI PUHAKKA

2nd Pr. *Finnish Chess Society*
1960



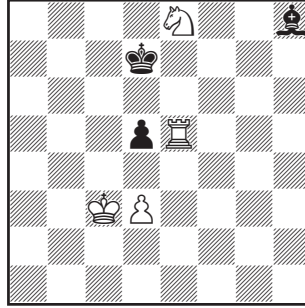
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501.

ERNST POGOSYANTS

Československý šach 1963



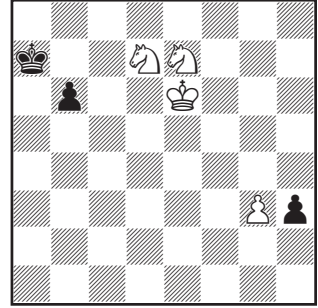
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502.

GIA NADAREISHVILI

3rd Pr. *Československý šach*
1965



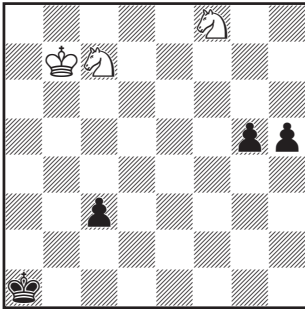
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503.

BRUNO BREIDER

3rd Pr. *Joseph JT* 1965



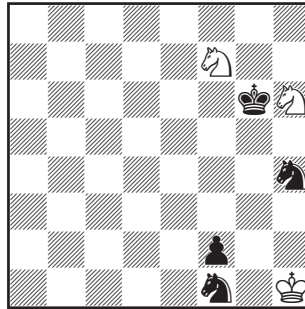
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504.

ERNST POGOSYANTS

Sp. Pr. *Shakhmatnaya Moskva*
1966



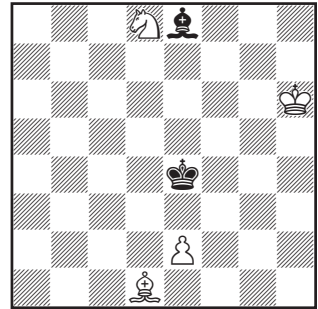
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505.

ERRKI PUHAKKA

Comm. *Rubinstein MT*
1967



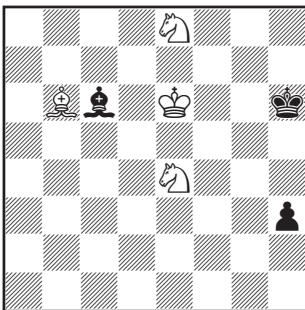
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GENRIKH KASPARYAN

Tidskrift för Schack 1969



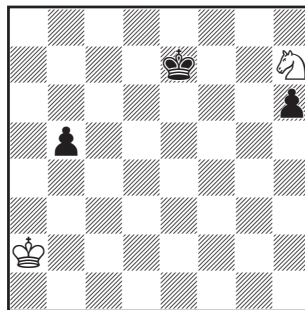
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DAVID GURGENIDZE

64 1970



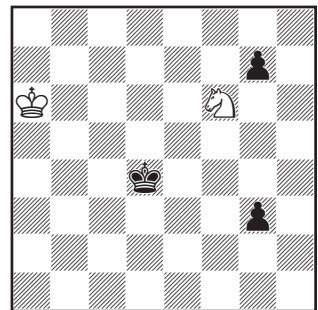
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508.

GIJS VAN BREUKELEN

Schakend Nederland 1971

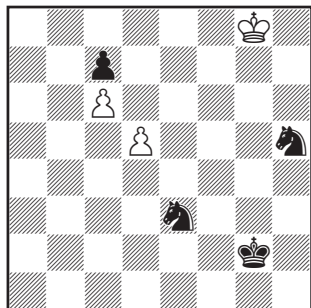


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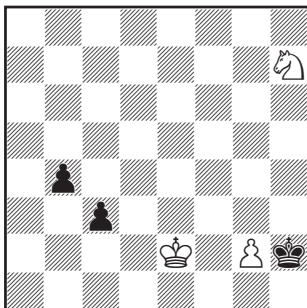
TIGRAN GORGIEV
Sp. Pr. *Problem* 1973



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510.

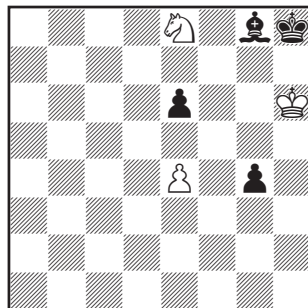
VALERY VLASENKO
64 1974



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511.

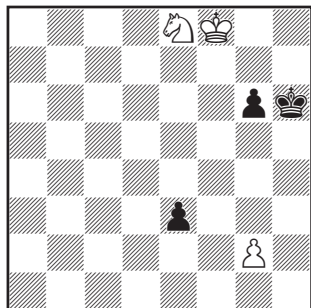
ERNST POGOSYANTS
Stavropolskaja pravda 1977



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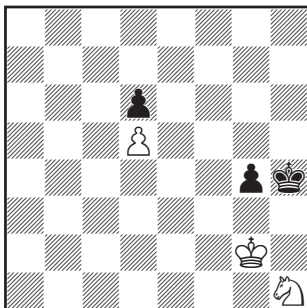
GLEB ZAKHODYAKIN
Shakhmaty v SSSR 1981



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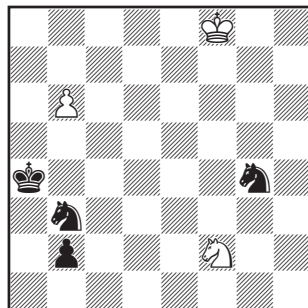
LEONARD KATSNELSON
& ATTILA KORÁNYI
2nd Pr. *Szen MT Magyar*
Sakkélet 1982



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514.

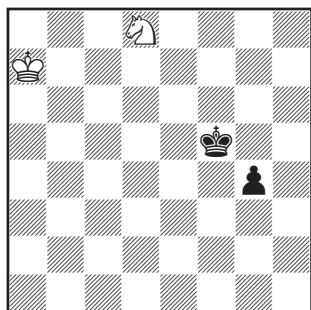
VALERY VLASENKO
2nd-3rd Sp. Pr.
Friendship-200 JT 1983



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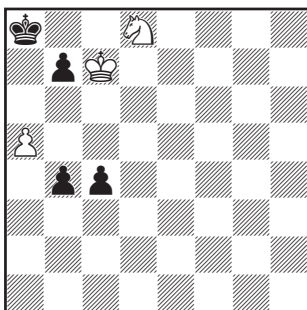
ROLF RICHTER
Sp. Pr. *Schach* 1983



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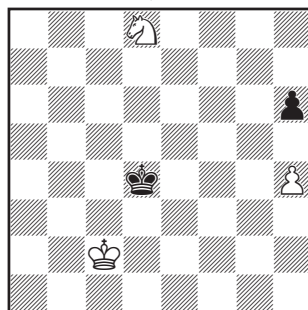
N. PANKRATIEV
Revista Română de Șah
1983



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517.

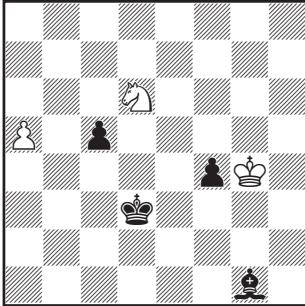
VIKTOR KONDRATEV,
ALEKSEI KOPNIN &
NIKOLAY POPKOV
Československý šach (c) 1984



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518.

VLADIMIR SHUPLETSOV
1st Pr. *Molodoi Leninet*
1985

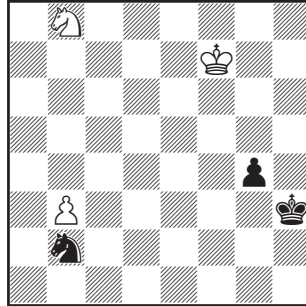


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519.

VALERY VLASENKO
Shakhmaty v SSSR 1986

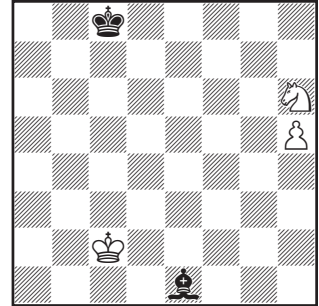


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520.

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

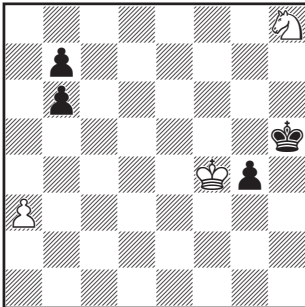


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521.

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

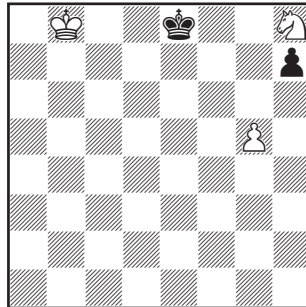


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522.

PÁL BENKŐ
1st Pr. *J. Ban MT* 1989

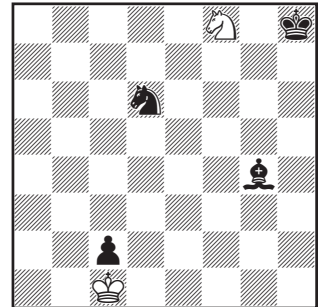


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523.

MARIO MATOUŠ
1st Pr. *Československý šach*
1989

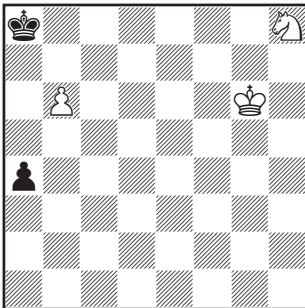


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524.

JARL H. ULRICHSEN
Springaren 1989

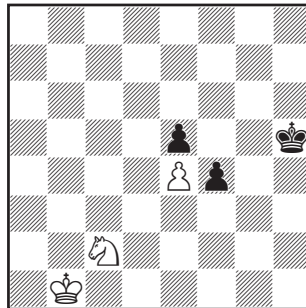


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525.

DAVID BLUNDELL
1st Pr. *Diagrammes* 1994

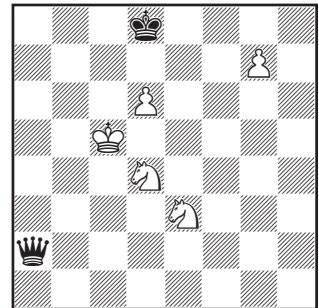


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526.

MARIO MATOUŠ
Mat Pat 1995

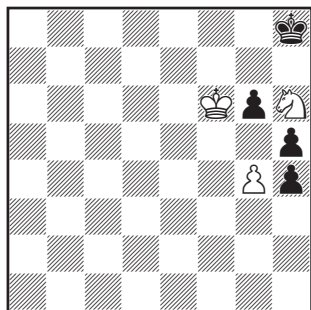


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527.

JÜRI RANDVIIR
Die Schwalbe 1995

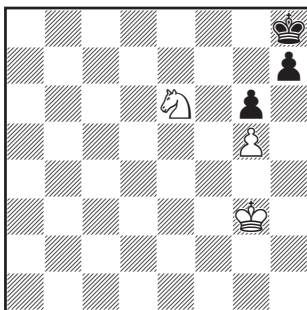


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528.

JÜRI RANDVIIR
4th Comm. *Rochade Europa*
1996

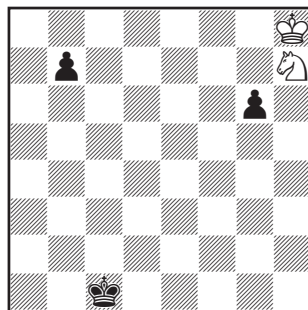


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529.

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

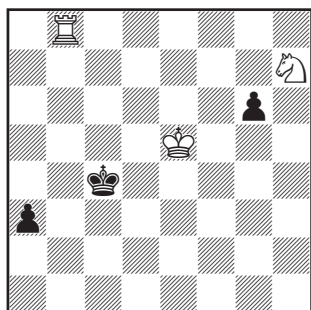


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530.

VALERY VLASENKO
Razumenko-70 JT 2007

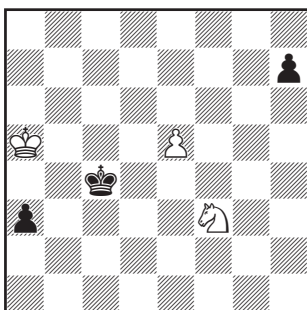


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531.

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

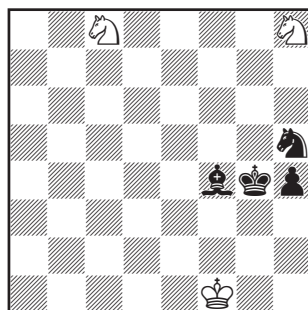


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532.

YOCHANAN AFEK
4th HM *Matouš JT* 2008

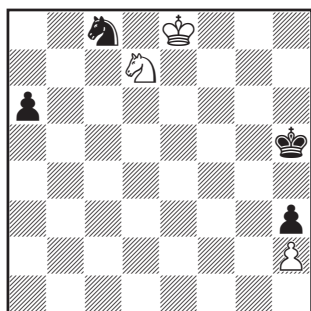


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533.

YOCHANAN AFEK
5th Pr. *Olimpiya dünyasi*
2008

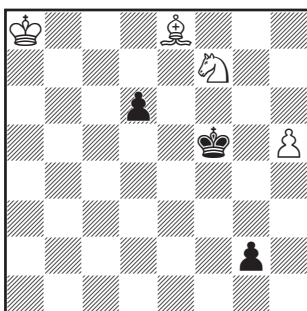


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534.

NIKOLAI KRALIN
3rd Pr. *Moscow Ty* 2008

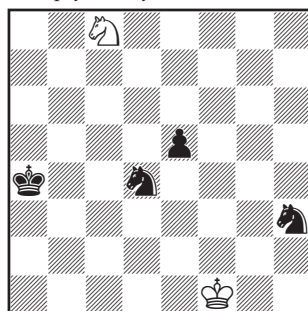


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535.

BIZIJAGIN
BUYANNEMEKH
Olimpiya dünyasi 2008

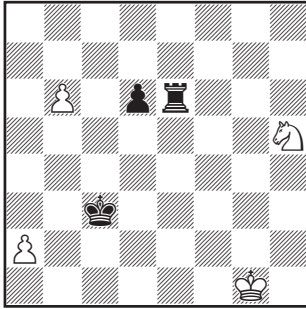


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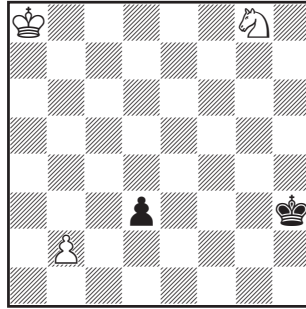
YOCHANAN AFEK
1st Pr. *EG* 2011



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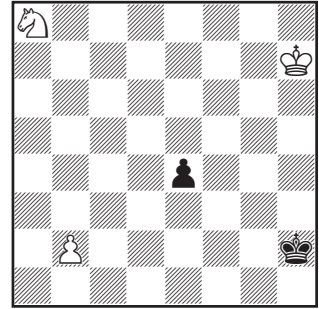
PAVEL ARESTOV
Sp. Comm. *Problemist*
Ukraine 2015



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538.

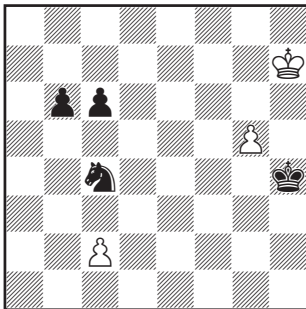
PAVEL ARESTOV
5th Comm. *Sinfonie*
Scacchistiche-50 AT 2015



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539.

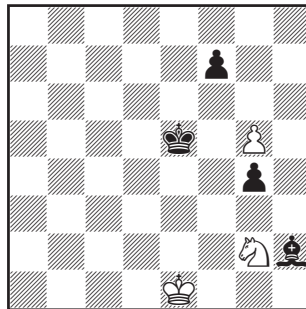
PAVEL ARESTOV
5th Pr. *Afek-64 JT* 2016



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540.

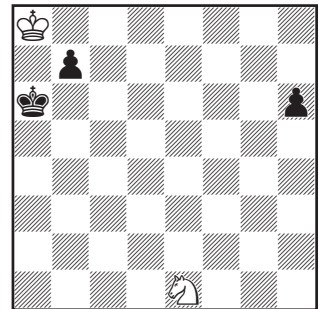
JAN TIMMAN
1st HM *Dvoretsky-70 MT*
2017



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541.

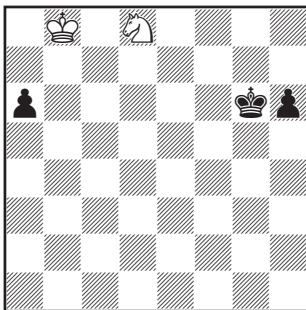
PAVEL ARESTOV &
VLADISLAV TARASIUK
1st Pr. *Cirtan* 2018



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542.

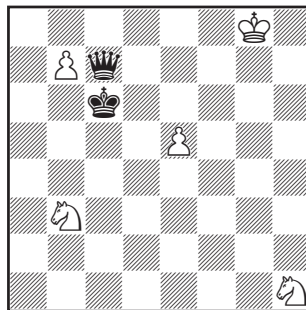
ALEXANDER ZHUKOV
Etyudy 2019



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543.

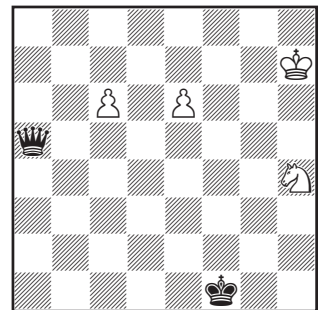
PETR KIRYAKOV &
PAVEL ARESTOV
The Problemist 2020



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544.

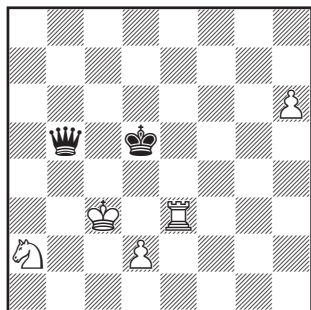
ALEXANDER ZHUKOV
Etyudy 2021



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ALEXANDER ZHUKOV
Etyudy 2021

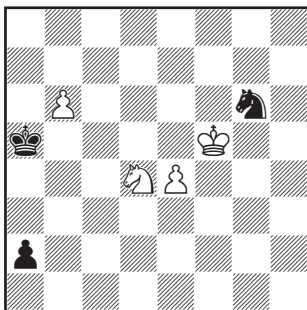


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546.

MICHAEL PASMAN
5th Pr. José Copiè-80 JT
2021

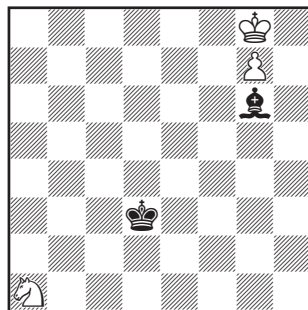


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547.

MAURICE ASHLEY &
YOCHANAN AFEK
The Problemist 2022



1. ?

+-

491. 1. c6! dc6 [1... d6 2. a6! f3 3. d6 d8! 4. b7! c7 5. a7+-; 1... f3 2. c7 b7 3. d6+-; 1... e2 2. c7! a6 3. d6 e7 4. c8 e8 5. c8 d8 6. b6 c7 7. d5 c6 8. a6+-] 2. a6! f3 3. d5 d5 4. e6! c5 5. c7 d7 6. d5 c8 7. b6 b8 8. d7 a7 9. c5+-

492. 1. b6!! cb6 [1... b7 2. c4 c6 3. b6+-] 2. f3 b7 3. e4 c7 4. e5! [4. d5? d7 5. e5 e7=] d7 5. d5 c7 6. e6 c8 7. d6 b7 8. d7 b8 9. c6 a7 10. c7 a8 11. b6 b8 12. a6!+-

493. 1. b6 [1. a7? b8 2. d6 a7 3. b5 b6 4. c3 a5 5. h4 b4 6. b1 b3 7. h5 c2!+=; 1. c6? b1 2. a6 b7 3. b6 a8! 4. b1=] b8 2. c3!! b1 3. d7 a7 4. a3 b7 5. b3! b3 6. c5+-

494. 1. b4! h5 2. c6! [2. d5? f3!+-; 2. c2? f2!+-; 2... e4? 3. a3! h4 (3... d4 4. b5=) 4. c4=] e4! [2... h4 3. e5 f4 4. g6=] 3. a5!! [3. d8? h4 4. e6 f5 5. d4 g4!+-] h4 4. c4! f3! [4... h3 5. d2

e3 6. f1=] 5. e5 [5. d2? e2 6. e4 h3 7. g3 f2+-] g3 6. c4! h3 7. e3 f3 [7... h2 8. f1=] 8. f1=

495. 1. c7 c4 2. e8! b3 3. d6 c3 4. e4 c2 5. d6! b2 6. c4 b1 7. a3=

496. 1. f5! [1. e6? g2 2. d4 d1 3. f3 a4 4. c3 a3=; 1. g4? g2 2. e5 e2+-] g2 2. h4 [2. d4? f2+-] g1! 3. f3 d1 4. g1 a4 5. c3 a3 6. d5 a2 7. e3 c1 8. e2 b1 9. d2! a1 10. c3 b2 11. c4!#

497. 1. d5! e2 [1... g5 2. e3 f4 3. g4 b3 4. h2 c4 5. f3=; 1... f4 2. f4 b3 3. b7 c4 4. c6 g5 5. g2 e2 6. d6 d4 7. e6 e4 8. f6 f3 9. e1 f2 10. d3 e3 11. e1 g4 12. g5 g3 13. g4 f2 14. d3 g2 15. f4 f1 16. e2=; 1... b3 2. e3 f4 3. f5 g5 4. d4 b2 5. f3 g4 6. e5 g3 7. d3=] 2. c3 b3 3. e2 c4! 4. f4! g5 [4... c3 5. e6 g6 6. f4 g5 7. e6 g4 8. g7 g3 (8... f4 9. h5 f3 10. f6 f2 11. e4) 9. h5 g2 10. f4 g1 11. e2=] 5. e6 g4 6. g7! f4 7. h5! f3 8. f6 g3 9. e4 g2 10. d2 d3 11. f3=



David Gurgenidze (Georgia, 26.9.1953)

498. 1. ♖h8! [1. ♖g8? ♗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+—

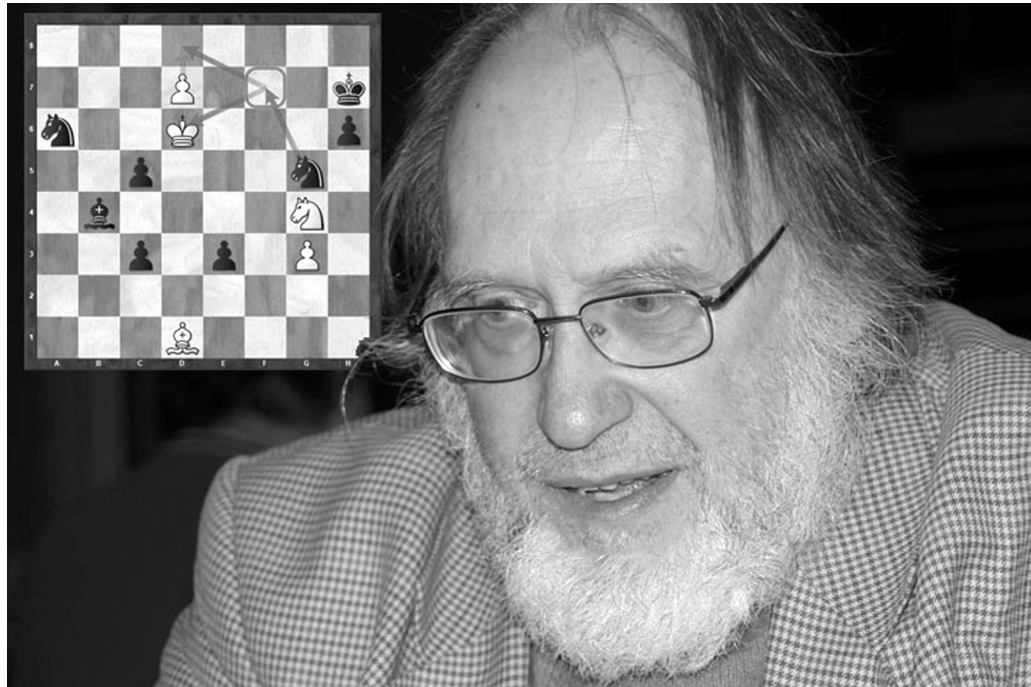
502. 1. ♖c8! ♖a6 [1... ♖a8 2. ♖cb6
♖a7 3. ♖c8 ♖a8 4. ♖d6! h2 5. ♖c7 h1 ♖ 6.
♖db6#; 1... ♖b7 2. ♖d6 ♖c6 3. ♖e4+—] 2.
♖b8 ♖a5 [2... ♖b7 3. ♖d6+—] 3. ♖c6
♖a4 4. ♖b6 ♖a3 5. ♖c4 ♖a2 [5... ♖a4 6.
♖b2+—] 6. ♖b4 ♖a1 7. ♖d3 h2 8. ♖f2+—

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=

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.

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+-



[132]

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. ♖e5 ♖f7 7. ♖d6 ♖e8 8. ♖c7 ♖e7 9. ♖b6! ♖d7 10. ♖b7+—

522. 1. ♖c8! [1. ♖c7? ♖e7! 2. ♖c6 ♖e6=] ♖f8 [1... ♖e7 2. ♖c7 ♖e6 3. ♖d8! ♖f5 4. ♖f7 ♖g6 5. ♖e8 ♖g7 6. ♖e7+—] 2. ♖g6! [2. ♖d7? ♖g7 3. ♖e6 h6! 4. g6 h5=] ♖f7! [2... hg6 3. ♖d8 ♖f7 4. ♖d7 ♖f8 5. ♖e6 ♖g7 6. ♖e7 ♖g8 7. ♖f6 ♖h7 8. ♖f7+—] 3. ♖f4! [3. ♖h4? ♖e8! 4. ♖g2 ♖e7 5. ♖f4 ♖d6 6. ♖h5 ♖e6=] h6! 4. g6 ♖f6 5. ♖d7 h5 6. ♖e8 ♖g7 7. ♖e7 h4 8. ♖e6 h3 9. ♖f5 h2 10. ♖h5 ♖f8 11. ♖g3+—

523. 1. ♖g6 ♖g7 2. ♖e5! [2. ♖h4? ♖d1 3. ♖g2 ♖f5 4. ♖e1 ♖d4 5. ♖b2 ♖f6 6. ♖c2 ♖c2 7. ♖c3 ♖e5+—] ♖d1! [2... ♖f5 3. ♖c4! ♖c4=] 3. ♖c4! ♖f5 4. ♖b2 ♖e3 5. ♖c4! ♖d5! [5... ♖g4 6. ♖a3 ♖e3 7. ♖c2 ♖c2 8. ♖d2=] 6. ♖a3 ♖b4 7. ♖d2 ♖f6 8. ♖c2 ♖c2 9. ♖c3=

524. 1. ♖f7 a3 [1... ♖b7 2. ♖d6 ♖b6 3. ♖c4=] 2. ♖d8! a2 3. b7 ♖b8 4. ♖c6 ♖b7 5. ♖a5 ♖b6 6. ♖b3 ♖b5 7. ♖f5/♖a1 7... ♖b4 8. ♖a1/♖f5 8... ♖c3 9. ♖e4 ♖b2 10. ♖d3 ♖a1 11. ♖c2=

525. 1. ♖a1!! [1. ♖a3? f3 2. ♖c4 ♖g5! 3. ♖c2 ♖g4 4. ♖d3 f2 5. ♖e2 ♖f4 6. ♖d2 f1 ♖ 7. ♖f1 ♖e3=; 1. ♖c1? f3 2. ♖d2 f2 3. ♖e2 ♖g4 4. ♖e3 ♖f4 5. ♖d3 ♖g3 6. ♖f1 ♖f3 7. ♖d2 ♖f4! 8. ♖e2 f1 ♖! 9. ♖f1 ♖e3=; 1. ♖e1? ♖g4 2. ♖c2 f3 3. ♖d3 f2 4. ♖f2 ♖f3=; 1. ♖b4? f3 2. ♖d5 f2 3. ♖e3 ♖g5 4. ♖c2 ♖f4 5. ♖d3 ♖g3!—] f3 2. ♖b3 ♖g4 [2... ♖g5 3. ♖c2 ♖g4 4. ♖c3 ♖g5 5. ♖c4+—] 3. ♖c2 ♖g3 4. ♖c3 ♖g4 5. ♖c4 ♖g3 6. ♖d5 [Or 6. ♖d2 ♖f4 7. ♖d5+—] ♖f4 7. ♖d2 f2 8. ♖f1+—

526. 1. ♖c4! ♖a7 [1... ♖g2 2. ♖e5 ♖g1 3. g8 ♖g8 4. ♖dc6 ♖e8 5. d7+—] 2. ♖d5 [2. ♖b6? ♖a3! 3. ♖c6 ♖a2 4. ♖b7 ♖g8 5. d7 ♖e7 6. ♖f5 ♖e6 7. ♖c7 ♖f5 8. d8 ♖g7=] ♖f7 3. ♖e6 ♖e8 4.

d7! [4. ♖e5? ♖b7 5. ♖d4 ♖d5 (5... ♖b2) 6. ♖d5=] ♖d7 5. ♖d6 ♖e7 6. g8 ♖#

527. 1. g5 h3 [1... ♖h7 2. ♖f5 gf5 3. ♖f7!+—] 2. ♖f5! h4! 3. ♖h4 h2 4. ♖g6 ♖h7 [4... ♖g8 5. ♖e7 ♖f8 6. g6 h1 ♖ 7. g7 ♖e8 8. g8 ♖ ♖d7 9. ♖c8 (9. ♖e6 ♖c7 10. ♖d5+—) ♖d6 10. ♖f5 ♖d5 11. ♖a8+—] 5. ♖e7 h1 ♖ 6. g6 ♖h6 7. ♖f5 ♖h5 8. ♖g3+—

528. 1. ♖g4! [1. ♖f8? h6! 2. gh6 ♖g8 3. h7 ♖g7=; 1. ♖f4? ♖g8 2. ♖e5 h6!—] ♖g8 2. ♖f4 ♖f7 [2... ♖h8 3. ♖f8! ♖g7 4. ♖h7!+—] 3. ♖e5 ♖e7 4. ♖d8!! [4. ♖d5? ♖f7 5. ♖d6 ♖g8!—; 4. ♖c7? ♖f7 5. ♖d5 ♖g7!—; 4. ♖d4? ♖f7 5. ♖d6 h6!—] ♖d8 5. ♖f6 ♖e8 6. ♖g7 ♖e7 7. ♖h7 ♖f7 8. ♖h6+—

529. Version: Internet 2015 1. ♖f8! g5 2. ♖h7 g4 3. ♖f6 g3 4. ♖h5 g2 5. ♖f4 g1 ♖ 6. ♖e2 ♖d2 7. ♖g1 ♖e3! 8. ♖h3 b5 9. ♖g5 b4 10. ♖f7! b3 11. ♖d6 ♖d3 12. ♖b5 b2 13. ♖a3=

530. 1. ♖b1 ♖c3 2. ♖e4 g5! 3. ♖f8! [3. ♖g5? a2 4. ♖a1 ♖b2 5. ♖d3 ♖a1 6. ♖c2=] g4 4. ♖e6 a2 5. ♖a1! ♖b2 6. ♖d3 g3 7. ♖d4 ♖a1 8. ♖c2 g2 9. ♖b3#

531. 1. ♖d2 [1. ♖a4? a2 2. ♖d2 ♖d5 3. ♖b3 h5 4. e6 ♖d6 5. ♖a3 h4 6. ♖a2 h3 7. ♖d2 h2 8. ♖e4 ♖e6 9. ♖f2 ♖f5 10. ♖b3 ♖f4 11. ♖c4 ♖f3 12. ♖h1 ♖g2 13. ♖d3 ♖h1 14. ♖e2 ♖g2+—] ♖d5 2. ♖b1! a2! [2... h5 3. ♖a3 h4 4. ♖c2 h3 5. ♖e3=] 3. ♖c3 ♖e5 4. ♖a2 ♖d4! 5. ♖b4! [5. ♖b4 h5 6. ♖c3 ♖e3!+— 7. ♖d5 ♖f3 8. ♖c7 h4 9. ♖e6 ♖g4! 10. ♖b5 h3 11. ♖c6 h2 12. ♖d5 h1 ♖ 13. ♖e5 ♖h5 14. ♖d6 ♖h1 15. ♖d7 ♖d1 16. ♖c6 ♖f5 17. ♖c7 ♖c2 18. ♖d7 ♖a4 19. ♖c8 ♖e5 20. ♖b8 ♖d6 21. ♖a6 ♖c6 22. ♖c5 ♖a2 23. ♖b7 ♖b2 24. ♖c8 ♖b7 25. ♖d8 ♖d7#] h5 6. ♖c2! [6. ♖c6? ♖e4 7. ♖d8 h4 8. ♖e6 ♖f5! 9. ♖d4

ໂຮງ4! 10. ດີ2 ອຸໂຮງ4—+] ອຸໂຮງ4 7. ດີa3!! h4 8. ດີc4 h3 9. ດີd2 ອຸໂຮງ4 10. ດີf1=

532. 1. ດີg6! [1. ດີe7? ດີg3 2. ອຸໂຮງ1 (2. ອຸໂຮງ2 h3 3. ອຸໂຮງ1 h2 4. ອຸໂຮງ2 ດີf5 5. ອຸໂຮງ2 ດີe7 6. ດີf7 ອຸໂຮງ7!) ດີe2! 3. ອຸໂຮງ2 (3. ອຸໂຮງ1 ອຸໂຮງ3 4. ດີf5 ດີg3—+) h3 4. ດີd5 ອຸໂຮງ3 5. ອຸໂຮງ1 ອຸໂຮງ3 6. ດີf7 ອຸໂຮງ4 7. ດີe5 ອຸໂຮງ3—+] ດີg3 2. ອຸໂຮງ1! [2. ອຸໂຮງ2? h3! 3. ອຸໂຮງ2 ອຸໂຮງ7—+] ອຸໂຮງ3 3. ອຸໂຮງ2! [3. ອຸໂຮງ2? h3 4. ອຸໂຮງ2 ດີf1 5. ອຸໂຮງ1 h2 6. ອຸໂຮງ2 ອຸໂຮງ1 7. ດີe5 (7. ດີd6 ດີg3 8. ດີe5 ອຸໂຮງ5—+) ອຸໂຮງ4 8. ດີg6 ອຸໂຮງ5! 9. ດີe5 ດີe3! 10. ອຸໂຮງ1 ອຸໂຮງ4 11. ດີd3 ອຸໂຮງ3 12. ດີd6 ດີf1—+] ດີf1! 4. ອຸໂຮງ2 [4. ອຸໂຮງ1? ອຸໂຮງ3!—+] h3! 5. ອຸໂຮງ1 ອຸໂຮງ3! 6. ດີd6! h2 7. ດີe4 ອຸໂຮງ3 8. ດີf4! [8. ດີf2? ອຸໂຮງ2 9. ດີf4 ອຸໂຮງ3 10. ດີe2 ອຸໂຮງ3—+] ອຸໂຮງ4 9. ດີf2 ອຸໂຮງ3 10. ດີe4 ອຸໂຮງ3 11. ດີd2! [11. ດີf2? ອຸໂຮງ3! 12. ດີh1 ອຸໂຮງ4 13. ດີf2 ອຸໂຮງ3 14. ດີh1 ອຸໂຮງ3—+zz] ອຸໂຮງ2=

533. 1. ດີc5! [1. ດີf6? ອຸໂຮງ5 2. ດີe4 ອຸໂຮງ4 3. ດີf2 a5 4. ອຸໂຮງ7 a4—+; 1. ດີd8? a5 2. ອຸໂຮງ8 a4 3. ດີc5 a3 4. ອຸໂຮງ7 ອຸໂຮງ4 5. ອຸໂຮງ6 ອຸໂຮງ3—+] a5 2. ອຸໂຮງ7 ອຸໂຮງ4! [2... ດີb6 3. ອຸໂຮງ6 a4! 4. ອຸໂຮງ6 a3 5. ດີb3 ອຸໂຮງ4 6. ອຸໂຮງ5! ອຸໂຮງ3 7. ອຸໂຮງ4 ອຸໂຮງ2 8. ອຸໂຮງ3 ອຸໂຮງ2 9. ອຸໂຮງ2=] 3. ອຸໂຮງ6 [3. ອຸໂຮງ8? ອຸໂຮງ3 4. ອຸໂຮງ7 ອຸໂຮງ2—+] ອຸໂຮງ3 4. ອຸໂຮງ5 ດີd6! [4... ອຸໂຮງ2 5. ດີe6=] 5. ອຸໂຮງa5 [5. ອຸໂຮງa4? ອຸໂຮງ2 6. ດີd3 ອຸໂຮງ2 7. ດີf4 ດີb7—+] ດີb7! 6. ດີb7 ອຸໂຮງ2 7. ດີd6! ອຸໂຮງ2 8. ດີc4!! [8. ດີf5? ອຸໂຮງ1!—+] ອຸໂຮງ1 [8... ອຸໂຮງ3 9. ດີe3=] 9. ດີe5 ອຸໂຮງ2 10. ດີg4 ອຸໂຮງ3 11. ດີe3=

534. 1. h6! [1. ດີd6? ອຸໂຮງ6 2. ດີb5 g1 3. ອຸໂຮງ7 4. ດີc7 ອຸໂຮງ6 5. ດີb5 ອຸໂຮງ7 6. ດີc7 7. ອຸໂຮງ5 ອຸໂຮງ6 8. h6 9. ດີa6 10. ອຸໂຮງ6—+] g1 2. h7 3. ອຸໂຮງ6! 4. ອຸໂຮງ7 [3... ອຸໂຮງ6 4. ອຸໂຮງa7! d5 5. h8 6. ອຸໂຮງ7 6. ອຸໂຮງa6 7. ອຸໂຮງ5=] 4. ອຸໂຮງe4! ອຸໂຮງe4 5. ດີg5 ອຸໂຮງ5 6. ດີh7 d5 7. ດີf8! d4 8. ດີd7 d3 9. ດີb6!=

535. 1. ດີb6! [1. ອຸໂຮງ2? ດີg5 2. ອຸໂຮງ2 ອຸໂຮງ5 3. ດີe7 ອຸໂຮງ4 4. ດີg6 e4 5. ດີe5 ອຸໂຮງ3 6. ດີg4 ດີf5 7. ອຸໂຮງ2 ອຸໂຮງ4—+] ອຸໂຮງ5 2. ດີd7 e4 3. ດີf6 e3 4. ດີd5 e2 5. ອຸໂຮງe1 ອຸໂຮງ4 6. ດີc3! ອຸໂຮງ3=

536. 1. a4! [1. ດີf4 ດີe4 2. ດີd5 ອຸໂຮງ4 3. ດີf6 ດີe1 4. ອຸໂຮງ2 ດີb1 5. ດີd7 ອຸໂຮງ5—+] ອຸໂຮງ4 [1... ດີe1 2. ອຸໂຮງ2 ດີb1 3. ດີf6 ອຸໂຮງ4 4. ດີe4 d5 5. b7 ອຸໂຮງa5 6. ດີc5=] 2. b7 ດີe8 3. a5!! ອຸໂຮງa5 [3... ອຸໂຮງ5 4. ດີf6 ດີb8 5. ດີe4 d5 6. ດີc3=] 4. ດີf6 ດີb8 5. ດີe4! d5 6. ດີc3 d4 7. ດີe2! d3 8. ດີc1! d2 9. ດີb3 ອຸໂຮງ4 10. ດີd2=

537. 1. ດີf6 d2 2. ດີe4! d1! 3. b4 ດີb2 4. b5 ດີc4 [4... ດີa4 5. ອຸໂຮງb7! ອຸໂຮງ4 6. ອຸໂຮງc6! ອຸໂຮງ4 7. ດີc5—+] 5. ດີd2! ດີd2 [5... ດີd6 6. b6 ອຸໂຮງ4 7. ດີe4—+] 6. b6 ດີc4! 7. b7 ດີb6 8. ອຸໂຮງb8! [8. ອຸໂຮງa7? ດີd7=] ດີd7! 9. ອຸໂຮງc8!— [9. ອຸໂຮງc7? ດີc5!]=]

538. 1. ດີc7! [1. ດີb6? e3 2. ດີc4 e2 3. ດີe5 ອຸໂຮງ2 4. ດີd3 ອຸໂຮງ3 5. ອຸໂຮງ6 ອຸໂຮງe3=] e3 [1... ອຸໂຮງ3 2. ດີd5—+] 2. ດີb5! [2. ດີe6? ອຸໂຮງ3! 3. ດີd4 ອຸໂຮງ4 4. ອຸໂຮງ6 ອຸໂຮງe4=] e2 [2... ອຸໂຮງ3 3. ດີc3! ອຸໂຮງ4 4. ອຸໂຮງ6 ອຸໂຮງe5 5. ອຸໂຮງ5 ອຸໂຮງ4 6. ອຸໂຮງ4—+] 3. ດີd4! e1! 4. b4 ດີd3 5. b5 ດີc5 6. b6 ອຸໂຮງ3 7. ອຸໂຮງg8! [7. ອຸໂຮງ6? ອຸໂຮງf4! 8. ດີe6 ດີe6 9. b7 ດີf8! 10. ອຸໂຮງf7 ດີd7 11. ອຸໂຮງe7 ດີb8=; 7. ອຸໂຮງ7? ອຸໂຮງf4 8. ດີe6 ດີe6=] ອຸໂຮງf4 [7... ດີb7 8. ອຸໂຮງf7! ອຸໂຮງf4 9. ອຸໂຮງe6! ອຸໂຮງe4 10. ດີb3!—+; 7... ດີd7 8. b7 ອຸໂຮງf4 9. ອຸໂຮງf7 ອຸໂຮງe5 10. ອຸໂຮງe7—+] 8. ດີe6! ດີe6 9. b7+—

539. 1. g6 ດີd6! 2. g7 ດີe8 3. g8! ອຸໂຮງ5 4. ດີe7 c5 5. ອຸໂຮງg8! ດີd6 6. ດີd5/ອຸໂຮງf8 6... b5 7. ອຸໂຮງf8/ດີd5 7... ອຸໂຮງf5 8. ອຸໂຮງe7 ອຸໂຮງe5 9. ດີc7! [9. ດີb6? ດີc4—+] c4! [9... b4 10. ອຸໂຮງd7 c4 11. ດີa6 b3 12. cb3 cb3 13. ດີc5 b2 14. ດີd3=] 10. ອຸໂຮງd7 c3 11. ອຸໂຮງd8!! [11. ອຸໂຮງc6? b4 12. ດີd5 b3 13. cb3 c2 14. ດີb4!/? c1—+] ອຸໂຮງd4 12. ອຸໂຮງd7! [12. ອຸໂຮງe7? ດີc8—+/ອຸໂຮງc5—+] ອຸໂຮງe5 [12... b4 13. ອຸໂຮງd6 b3 14. ດີb5=] 13. ອຸໂຮງd8! b4 [13... ອຸໂຮງe4 14. ອຸໂຮງd7 ອຸໂຮງe5 15. ອຸໂຮງd8=; 13... ດີb7 14. ອຸໂຮງe7 b4 15. ດີa6 — main line.] 14. ດີa6! ດີb7! [14... b3 15. cb3 — main line.] 15. ອຸໂຮງe7! [15. ອຸໂຮງc7? b3 16. cb3 c2 17. ດີb4 c1—+; 15. ອຸໂຮງd7? b3 16. cb3 c2 17. ດີb4 ດີc5—+] b3 16. cb3 c2 17. ດີb4! c1 18. ດີd3=

540. 1. g6! fg6 2. ♘f2 [2. ♘e3 ♘f4—+] ♘e4 [Main: 2... ♙f4 3. ♘e1! (3. ♘h4? g5! 4. ♘g6 ♘f6! 5. ♘f8 ♙d6 6. ♘d7 ♘e6 7. ♘b6 ♙c5—+) ♘e4 4. ♘c2 ♙d6 5. ♘a1! ♘d3 6. ♘b3 ♘c3 7. ♘c1=♘a5=] 3. ♘h4! [3. ♘e1? ♙d6! 4. ♘g2 ♘e3 5. ♘c2 ♘d3! 6. ♘e1 ♘d2 7. ♘f2 ♙f4 8. ♘g2 g5—+] g5 4. ♘g6 ♙d6 5. ♘h8! ♘f5 6. ♘f7 ♙c7 7. ♘h6=

541. 1. ♘b8! [1. ♘d3? b5!—+] ♘b6 [1... b5 2. ♘c7=] 2. ♘c8 ♘c6 3. ♘d8 ♘d6! [3... h5 4. ♘e7 ♘d5 5. ♘f6=] 4. ♘e8! [4. ♘c8? b5! 5. ♘b7 ♘c5 6. ♘c2 h5—+] ♘e6 [Main: 4... ♘e5 5. ♘f7! (5. ♘d7? h5!—+) ♘f5 6. ♘e7 h5 7. ♘d6 ♘e4 8. ♘g2 ♘d4 9. ♘h4! (9. ♘e6? b5 10. ♘f5 b4 11. ♘f4 h4! 12. ♘e3 h3 13. ♘c2 ♘c3 14. ♘b4 h2—+) b5 10. ♘f5 ♘e4 11. ♘g3 ♘d4 12. ♘h5? b4 13. ♘f4 b3 14. ♘e2 ♘c4!—+; 12. ♘f5!]=] 5. ♘d8! b5 [5... ♘d6 6. ♘e8 ♘e6 7. ♘d8=] 6. ♘c7 ♘d5 7. ♘b6 b4 [7... ♘c4 8. ♘c2! h5 9. ♘a3 ♘d3! 10. ♘b5! h4 11. ♘c4 h3 12. ♘e5=] 8. ♘b5! b3 9. ♘d3 ♘d4 10. ♘b2 ♘c3 11. ♘a4 ♘d3 [11... ♘d2 12. ♘c4! h5 13. ♘d4 ♘e2 14. ♘e4 ♘f2 15. ♘f4! ♘g2 16. ♘g5=] 12. ♘c5 ♘e3! 13. ♘b3 h5 14. ♘a5! Grigoriev [14. ♘c5? h4 15. ♘e6 h3—+] h4 15. ♘c4 ♘f2! 16. ♘e5! ♘g3 17. ♘c4! ♘f2 18. ♘e5=

542. 1. ♘c6! h5 2. ♘c7! [2. ♘b7? ♘f5 3. ♘d4 ♘g4 4. ♘a6 h4 5. ♘c2 ♘f3—+] ♘f5! [2... h4 3. ♘e5 ♘f5 4. ♘f3 h3 5. ♘b6=] 3. ♘d6! [3. ♘b6 h4 4. ♘d4 ♘g4—+] ♘e4 [3... h4 4. ♘e5 a5 5. ♘f3 a4 6. ♘h4 ♘e4 7. ♘g2 ♘d4 8. ♘f4 a3 9. ♘e2=] 4. ♘e5! a5! [4... h4 5. ♘g4 a5 6. ♘c5=] 5. ♘c4 h4! [5... a4 6. ♘c5! h4 7. ♘d2 ♘f4 8. ♘f1=] 6. ♘c5! ♘f3 [6... h3 7. ♘d2=] 7. ♘e5! ♘g3 8. ♘c4! h3 9. ♘e3 ♘f3 10. ♘f1=

543. 1. ♘a5 ♘c5 [Main: 1... ♘d7 2. ♘g3! ♙e5 3. ♘f5 ♙d5 4. ♘g7 ♘c7 5. ♘e7 ♙a5 6. b8♙ ♘b8 7. ♘c6=; 1... ♘b6 2. e6 ♙b8 3. ♘f7 ♘a5 4. e7=; 1... ♘d5 2. ♘f2 ♘e6 3. ♘c6! ♙b7 4. ♘d8=] 2. ♘f2 ♘b6 3. e6 ♘a5 4. e7! ♙g3 5. ♘h7! ♙e5 6. ♘g8! ♙b8 7. ♘f7 ♙b7 8. ♘h1!! [8. ♘g4? ♙d5 9. ♘f8 ♙f5—+] ♘b5 9. ♘g3! ♘c6 10. ♘f5 ♙b3 11. ♘f8 ♙b4 12. ♘f7 ♙c4 13. ♘f6 [13. ♘f8? ♙c5!—+] ♘d7 [13... ♙c3 14. ♘f7 ♙b3 15. ♘f8=] 14. e8♙! ♘e8 15. ♘d6 ♘d7 16. ♘c4=

544. 1. e7 ♙c7! [1... ♙e5 2. ♘g6 ♙c7 3. ♘g7 ♙c6 4. ♘f7=] 2. ♘f5! ♙c6 3. ♘e3!! ♘e2 4. ♘d5! ♘f3! 5. ♘g7! ♙e8 6. ♘f6 ♘e4 7. ♘c7 ♙c6 8. ♘e6=

545. 1. h7 [1. ♘b4? ♘d6 2. h7 ♙h5=] ♙c4 2. ♘b2 ♙h4 [2... ♙c8 3. ♘b4 ♘d6 4. ♙d3 ♘e7/♘e5 5. ♙d8!—+] 3. ♘c3 ♘d6 [3... ♘c6/♘c5 4. ♙e7! ♙b4 5. ♘c2 ♙h4 6. ♘b3 ♘d6 7. ♙a7—+] 4. ♘e4 ♘e5 [4... ♘c6 5. ♘g5!—+] 5. ♙h3!! ♙h3 6. ♘g5 ♙c8 7. h8♙! [7. ♘f7 ♘d5 8. h8♙ ♙b7=] ♙h8 8. ♘f7+

546. 1. b7! a1♙ 2. ♘b3 [Thematic try : 2. ♘c6 ♘a6 3. b8♙ ♙f1 4. ♘g6 ♙f6!]=] ♘a6 [2... ♘a4 3. ♘a1—+] 3. b8♘! [3. ♘a1 ♘e7! 4. ♘e6 ♘c6! 5. ♘d7 ♘b7=] ♘b7 4. ♘a1 ♘f8! 5. ♘b3! ♘b8 6. ♘c5! ♘a7 7. e5!zz ♘b6 8. ♘d7! ♘d7 9. e6 ♘c7 10. e7+

547. 1. ♘b3 [1. ♘f8? ♙h7 2. ♘b3 ♘e4 3. ♘c5 ♘d5/♘e5/♘f5 4. ♘d7 ♘e6!]=] ♘e4 2. ♘c5 ♘e5! [2... ♘f5 3. ♘d7!zz ♘g5 4. ♘e5 — main line] 3. ♘d7 ♘f5zz 4. ♘f8! ♙h7 5. ♘f7! ♙g6 6. ♘g8!zz ♘g5 7. ♘e5! [7. ♘f8? ♙e8! 8. ♘h7 ♘g6=] ♙b1 8. ♘f7 ♘f6 9. ♘h8!+