

# Step 6

## 2. Attacking the king – King in the middle: A

- 1) 1. Bxc6+ bxc6 2. Rhe1+
- 2) 1. Bb6 Bh6+ 2. Nd2 (better than 2. Kxd1 Qxb6 3. Re1+ Be3 4. Qe5+) 2. ... Qxb6 3. Re1+ Be3 4. Qxb6
- 3) 1. ... Rxe3+ 2. fxe3 (2. Kf1 Qd3+ 3. Kg1 Re2 wins material) 2. ... Qxe3+ 3. Kf1 Be2+ 4. Ke1 Bd3+ 5. Kd1 Qe2#
- 4) 1. Ba4+ b5 2. Nxb5
- 5) 1. ... Rd1+ 2. Rxd1 (2. Kxd1 Qd6+) 2. ... Qxc4
- 6) 1. Nxe6 Qxe5 (1. ... fxe6 2. Qh5+ g6 3. Qxg6+ hxg6 4. Bxg6#) 2. Nc7#
- 7) 1. Rhe1+ Kf8 (1. ... Be6 2. Rxe6+ fxe6 3. Bg6+) 2. Bh7 Qb6 3. Rd8+ Qxd8 4. Qc5+
- 8) 1. Nd6+ cxd6 2. Bb5 Nc6 3. Rxc6
- 9) 1. Bxf7+ Kxf7 2. Qh5+ Kg8 3. Ne6 Qb6 4. Qg6+
- 10) 1. Rb1 (1. Qe2 0-0) 1. ... Qxa2 2. Bb4
- 11) 1. ... Nb4 2. Rf1 Nd3+
- 12) 1. Nxe6 Qb6 (1. ... fxe6 2. Qh5+ Ke7 3. Bg5+ Nf6 4. exf6+ gxf6 5. Bxf6+) 2. Nc7+

## 3. Attacking the king – King in the middle: B

- 1) 1. Nxe6 fxe6 2. Qh5+ g6 3. Qe5
- 2) 1. Bxg6 hxg6 2. Nxf7
- 3) 1. Rxe5+ Be7 (1. ... dxe5 2. Nf6+ Nxf6 3. Rd8# or 1. ... Nxe5 2. Nf6#) 2. Rxe7+ Kf8 3. Qf5 Ne5 4. Qf6 Rh7 5. Re8+ Kxe8 6. Qd8#
- 4) 1. Rxe6+ Bxe6 2. Bxb5+ Bd7 3. Re1+
- 5) 1. ... Bxf2+ 2. Kxf2 Ng4+ 3. Ke1 Ne3 4. Qa4+ Bd7
- 6) 1. ... Nd5 2. Qb3 Rxe3+ 3. fxe3 Bh4+

- 7) 1. Nc7+ Nxc7 2. Rxe7+ Kxe7 3. Qf6+ Ke8 4. Rd8#
- 8) 1. Nf5 gxf5 2. Qh5+ Kf8 3. Rxf5+
- 9) 1. ... Nd5 2. exd5 Bh4+ 3. g3 Bxg3+ 4. hxg3 Qxg3#
- 10) 1. Nxf5 exf5 2. Nf6+ Qxf6 3. Qd8+ (3. Bb5+? Nd7) 3. ... Bxd8 4. Bb5#
- 11) 1. Rfe1 Be6 2. Nf6+! Qxf6 3. Ba4+! Nxa4 (3. ... Ke7 4. Qd6#) 4. Qd7#
- 12) 1. Bxc6 bxc6 2. Bg5+ f6 (2. ... Qxg5 3. Nxc6#) 3. Ne6+

## 4. Endgame – Passed pawn: A

- 1) 1. Nc5 Bxc5 (1. ... Kf7 2. Kd3) 2. d7
- 2) 1. ... Rxc3 2. bxc3 Be2 3. Rg1 d2
- 3) 1. h7 Bxh7 2. Rh6+ Kf7 3. Rxh7
- 4) 1. Bf2! Bxf2 2. e7 Re3 3. a7  
(*Junker Soest 1925*)
- 5) 1. ... Qxf3+ 2. Kxf3 Ne3 3. Kf2 h2
- 6) 1. Bg8+ Kh8 2. Be6 Qxe6 3. Rf8+ Kh7 4. e8Q
- 7) 1. Bc2+ Kg8 2. Rf8+ Rxf8 3. Bb3+
- 8) 1. Ra6+ Kg7 2. Re6! (*Kok 1934*)
- 9) 1. ... Bc1 2. Rxc1 d2 3. Rf1 Re1
- 10) 1. ... Be6 2. Rc7 Nc4 3. Rxc4 Bxc4+
- 11) 1. d7 Rd8 2. Re8+ Rxe8 3. Qg8+ Kxg8 4. dxe8Q#
- 12) 1. Qd7 Qxd7 2. c8N+ Kc6 3. Na7#

## 5. Endgame - Passed pawn: B

- 1) 1. Bc6 Rb8 2. Rxf8+ Rxf8 3. e6 c4 4. e7
- 2) 1. Bd5 Qxd5 2. Qd8+
- 3) 1. ... e2 2. Bxf2 Be3 3. Ra1 gxf2+
- 4) Drawing
- 5) 1. ... Ne3 2. Nxf5 Nd1
- 6) 1. a7 Bg2 2. d7 (2. Bd5? Bxd5 3. d7 Kg6) 2. ... Rd2 3. Bd5 (*Rinck 1906*)

- 7) 1. Bd5+ Kb6 2. Ba5+ Kxa6 3. Bxd8 ;  
1. Bb5+ wins too.
- 8) 1. Re2 Rxe2 2. Be4 Rxe4 3. f3+
- 9) 1. d7 Be7 2. Bd4+ Kxd4 3. Kxe7 Ne5  
4. d8Q+
- 10) 1. ... Rxf3+ 2. Kxf3 Bxe4+ 3. Kxe4  
b1Q+
- 11) 1. Nb3+ Nxb3 2. Bd2+ Nxd2 3. d7
- 12) 1. Bg1! (1. c7? Nb6 2. Bg1 Nc8) 1. ...  
Bxg1 2. c7 Nb6 3. a7 (*Borelli 1956*)

## 6. Middlegame - Passed pawn: A

- 1) 1. Qh8+ Kxh8 2. g7+ Kg8 3. Bh7+  
Kxh7 4. g8Q#
- 2) 1. ... e3 2. Rxf3 (2. Qxa6 Rg3) 2. ... e2
- 3) 1. ... Rb1 2. Rxb1 c1Q+ 3. Rxc1  
Qxc1+
- 4) 1. d7 Rxd7 2. Re8
- 5) 1. Qe7+ Rxe7 2. d7
- 6) 1. ... Rxb3 2. axb3 Qxe4 3. dxe4 c2
- 7) 1. Bf7+ Kg7 2. Qxh6+ Kxh6 3. Bxe8
- 8) 1. Bd6 Rxd6 (1. ... Qxd6 2. Qxb7) 2.  
Qxb7 Qxb7 3. e7
- 9) 1. Qxa4 bxa4 2. Rxb8 Rxb8 3. a6
- 10) 1. ... Rxe5 2. Qxe5 c1Q
- 11) 1. Rc8 Rxc8 2. Qe7
- 12) 1. Rf8+ Kxf8 2. Rf1+ Kg8 3. e7+ Kh8

## 7. Endgame - Pawn against knight: A

- 1) 1. h7 (1. b6? Nf4+ 2. Kg4 Nd3 3. b7  
Ne5+) 1. ... Kg7 2. h8Q+! Kxh8 3. b6  
Nf4+ 4. Kh6!  
(*Klinkov 1965*)
- 2) 1. c6 Nf5+ 2. Kf2! (2. Kf4? Nd6 3.  
cxb7 Nxb7 4. a6 Nc5 ; 2. Kd3? Nd6 3.  
cxb7 Nxb7 4. a6 Nc5+) 2. ... Nd6 3.  
cxb7 Nxb7 4. a6 (*Grin 1990*)
- 3) 1. Kh8! (1. Kf6? Nf4! ; 1. Kf8? Nf4! ;  
1. Kf7? Nh4! 2. g7 Nf5 ; 1. Kh7? Nf4!  
2. g7 Nh5) 1. ... Nf4 2. g7 Ng6+ 3. Kg8  
Ne7+ 4. Kf8! Ng6+ 5. Ke8  
(*Heuäcker 1937*)
- 4) 1. e6 Ne2+ 2. Kh2! (2. Kg4 Nc3 3. e7

- Nd5 4. e8Q Nf6+ ; 2. Kf2 Nc3 3. e7  
Ne4+ 4. Ke3 Nd6) (*Marwitz 1937*)
- 5) 1. c6 bxc6 2. e7 Nxe7 3. d6 Kf8 4. d7  
(*Gunst 1923*)
- 6) 1. Ke5! (1. Kf7 Kf2 2. Ke8 Ke3 3. Kd8  
Kd4 4. Kc7 Kc5) 1. ... Kf2 2. Kd4 Kf3  
3. Kc5 Na8 4. Kc6
- 7) 1. c6 Ke6 2. Kb5 (2. Kc5? Nf3 3. Kb6  
Ne5 4. c7 Nc4+) 2. ... Nf3 3. Ka6 Kd6  
4. Kb7 Nd4 5. c7 Nb5 6. c8Q (*Mees  
1946*)
- 8) 1. Kg1! (1. h6? Nf2+ 2. Kg2 Nd3 3. h7  
Nf4+) (*De Feijter 1940*)
- 9) 1. e5 fxe5 2. f6 gxf6 3. b6 f5+ 4. Kh3  
(*Kok 1935*)
- 10) 1. Kb8 Nd7+ 2. Kc8 Nb6+ 3. Kc7
- 11) 1. e6 (1. g6 fxg6 2. e6 Nd5 3. e7 Nxe7  
4. f6 Nd5) 1. ... fxe6 2. g6 Nh5 3. g7  
Nxxg7 4. f6 (*Tavarini 1983*)
- 12) 1. a6 (1. f7? Nd7! 2. a6 Kb6 3. c5+  
Kxa6 4. c6 Nf8!) 1. ... Kb6 2. c5+  
Kxa6 3. c6 Kb6 4. f7 (*Ratz 1926*)

## 8. Endgame - Pawn against bishop: A

- 1) 1. b6+ Kxb6 (1. ... Kb8 2. c5 Bb7 3. h5  
(3. Kc3? d5) 3. ... Ba6 4. Kc3) 2. c5+  
Kxc5 3. h5 (*Roberts 1927*)
- 2) 1. a5 Bf8 2. Kd5 Bh6 3. g5+ Bxxg5 4.  
Ke4 Bh4 5. Kf3 (*Otten 1892*)
- 3) 1. Kd5 Be5 2. g3+ Kf5 3. g4+ Kf6 (3.  
... Kf4 4. g5 Kf5 5. g6 Kf6 6. g7) 4.  
g5+ Kf5 5. g6 Kf6 6. g7 (*Rinck 1937*)
- 4) 1. f4! exf4 2. e4 fxe3 3. Ke2  
(*Timchenko 1953*)
- 5) 1. f5 exf5 (1. ... Bxf5 2. a6) 2. Kf4 Bh3  
3. Kg3 (*Moravec 1913*)
- 6) 1. Kd5! Ba5 (1. ... Bd8 2. b6! axb6 3.  
Ke6) 2. b6 axb6 3. Kd4! Bd2 4. h7 Bc1  
5. Kc3 (*Leenmaterials 1919*)
- 7) 1. f5 Kg3 (1. ... Kf3 2. g5 hxg5 3. h6  
Bg8 4. f6 g4 5. h7 Bxxh7 6. f7) 2. g5  
hxg5 (2. ... Kg4 3. g6 Bd5 4. f6 Kxh5  
5. f7) 3. h6 Bg8 4. f6 Kf4 5. h7 Bxxh7

6. f7 (*Horwitz 1880*)

- 8) 1. Kd5 Bf1 2. Ke6 Bg2 3. Kf7! (3. Kf6? Bd5) 3. ... Bd5+ 4. Kf6 (*Dall-Ava 1965*)
- 9) 1. b4 axb3 (1. ... Bc4 2. b5 Be6 3. b6 Bd5 4. b7 Bxb7 5. f7+) 2. f7+ Kxf7 3. Kh7 Bb1+ 4. Kh8 (*De Feijter*)
- 10) 1. h6 Bd4 2. Kd5 Bxb2 3. c4! (3. h7? f5 4. c4 f4 5. Ke4 Kg4 6. c5 f3 7. c6 f2 8. c7 f1Q) 3. ... bxc3 (3. ... f5 4. c5 f4 5. Ke4 Kg4 6. c6) 4. h7 c2 5. h8Q+ (*Troitzky 1928*)
- 11) 1. d5 cxd5 2. Ke3 Bg2 3. Kd4 (*Troitzky 1924*)
- 12) 1. f6 Bb3 2. e6 Bxe6 3. Ke5 Ba2 4. Kd6 (*Destefani 1981*)

## 9. Strategy - Mini plan: A

- 1) **1. ... exf5**  
Black captures away from the centre (the rule is: capture towards the centre!) but the knight gets a nice square on e6.
- 2) **1. Ba3**  
Otherwise 1. ... d5.  
**1. ... Re8 2. Bd6 Qd8 3. Ne2 e5 4. Ng3** with a big advantage for White.  
(*Weisgerber-Van den Bosch, Bad Nauheim 1936*)
- 3) White weakens the black pawn structure: **1. a5 cxb4 2. Nxb4 Qf6 3. Nc6 Rb7 4. f3 bxa5 5. Rxa5** and White is better. (*Hemingway-Wade, Huddersfield 1953*)
- 4) **1. f3**  
But 1. c5 dxc5 2. Ba3 b6 is not good. After f3 the white bishops come to life. The rest of the game is instructive.  
**1. ... h5**  
After 1. ... exf3 White plays 2. Bxf3.  
**2. Nxe4 Nxe4 3. fxe4 Qxe4 4. Bd3 Qe7 5. e4 Kg7 6. Bf4 f6 7. Qd2 g5 8. Be3 h4 9. e5 dxe5 10. dxe5 Qxe5 11.**

**Bd4 Qa5 12. c5 Kh6 13. Bxf6 Qxc5+ 14. Bd4 Qd6 15. Rxf8 Qxf8 16. Rf1 Qe7 17. Rf6+ Kh5 18. Be2+** and Black resigned. (*Gligoric-Rabar, Zagreb 1939*)

- 5) **1. g5**  
First of all to prevent Black from closing the kingside with h6. White not only prepares h4-h5 to open files, but the move also frees the way for the white bishop. The e6-square is waiting.  
**1. ... Kg8 2. h4.**
- 6) **1. ... Nxc4**  
Black must make the white bishop harmless. The move does not lose a piece! On 2. Qd3 there follows 2. ... Qh4. In the game *Van Dongen-Van Beek, Leiden 1997* Black played the weaker 1. ... Qc7 2. Qd3 g6 3. Ne3 Nc5 4. Ng4! f6 5. Qd4. The mating pattern ♔♚ also remains in the position after 5. Bxf6!  
**2. Bxh7+ Kxh7 3. Qd3+ Kg8 4. Qxc4 Nf6** and Black might be better.
- 7) **1. ... e6**  
This move hits the nail on the head. The white pressure suddenly is gone, the c4-pawn is difficult to protect.  
**2. f5?**  
After the better 2. Qa2 exd5 3. cxd5 Qf7 Black has the advantage too.  
**2. ... exd5 3. fxe6 Nxc4.** White resigns. (*De Gorter-Frank Erwich, Wijk aan Zee 1998*)
- 8) The knight on f6 is centralised but isn't doing much. Therefore **1. ... Nh5**, on its way to f4. In the game *Harinck-Marc Erwich, Leiden 1996* Black took on d2 and lost a great deal of his advantage.
- 9) **1. Bh4!**  
Maintaining the tension. White doesn't need to fear 1. ... g5 2. Nxc5 hxc5 3.

Bxg5. White wins the piece back with 4. e5. After 1. Bxf6 Qxf6 2. Ne5 Qe7 has insufficient compensation for the pawn.

**1. ... Qe8**

On any other move there follows 2. e5.

**2. Bxf6 gxf6 3. Nd2 Kh7 4. Bf1 b5 5. Qf3 f5 6. Qf4 Nb3 7. Nxb3 cxb3 8.**

**Bd3** and White is better due to the weak black pawns. (*Romanishin-Savon, Yerevan 1976*)

10) Drawing

11) Drawing

12) Black weakens the black pawn structure:

**1. Rxc8 Qxc8 2. Nf5 exf5 3. Qxd5 Nc5**

3. ... Qc2 is followed by 4. Bxg7.

**4. Bc4 Qe6 5. Qxe6 Nxe6 6. Rd1** and White is better. (*Flohr-Veltmander, Tartu 1950*)

**10. Strategy – Mini plan: B**

1) **1. ... e5**

not only prevents e5 but also creates a strong square for the knight on e5. White cannot maintain the f4-pawn.

**2. fxe5**

After 2. g3 comes 2. ... Bh6 3. Bg2 exf4 4. gxf4 Nh5.

**2. ... Nxe5 3. d3 Nfg4 4. Qe2**

Also after 4. Bxg4 Nxc4 5. Bc1 (5. Qe2 Rce8) 5. ... Ne3 Black is better.

**4. ... Ne3 5. Re1 f5 6. exf5 Nxf3+ 7. gxf3 Rxf5.**

(*Pickard-Lein, Dallas 1996*)

2) **1. a4**

Logical because the black pawn structure has been demolished. (*Pogrebysky-Levenfish 1939*)

3) **1. ... Nc8**

Black must activate his knight. From f5 it attacks a pawn.

**2. Nf1 Ne7 3. Ng3 Bxg3 4. Rxc3 Nf5**

**5. Rh3 e5** with the advantage. Black plays for a second white weakness.

(*Lein-Jansa, Borgarnes 1985*)

4) **1. d5**

A logical move. White activates his pieces. In the game Black refused the pawn sacrifice. The position after 1. ... exd5 2. Nd4 g6 3. e6 Bc8 4. Qe5 seems fine for White, although he must take care of his e-pawn. After 4. ... Nc7 5. Bxf5 Na6 6. Rb1 gxf5 7. Re1 f4 8. Qxf4, White has more than enough compensation for the piece.

**1. ... Nb6 2. d6** now the white advantage is unmistakable.

5) Black is better after any move. The white pieces are hindering each other. The 9 year old Jankiel Ferrol chose the strong **1. ... a5** to exploit the vulnerability of the position of the white queen. The threat is to trap the queen. After 2. a4 b5 3. axb5 Bxb5 the threat is again a4.

6) **1. ... Qh4+!**

Black dropped a piece in *Reisinger-Hoy, Germany 1992* with 1. ... Nxd4 2. Nxd4 Qh4+ 3. Qf2

**2. g3 Qf6**

Black has weakened the f-pawn. The bishop on b7 is much more active now.

7) **1. ... g5**

Black must prevent f4. After 1. ... Rce8 2. f4 R5e7 3. Rcd1 Black has to reckon with f4.

**2. f4**

White has no time to play 2. Nd1 Nxd5 3. exd5 Qd4!

**2. ... gxf4 3. Qxf4 Rce8 4. Rf1 R5e7 5. e5**

Otherwise Nd7-e5. Black took the pawn and the rest was easy.

(*Ligterink-Psakhis, Plovdiv 1983*)

- 8) **1. b4**  
White keeps the knight on a6 passive.  
**1. ... Qe8 2. Bb2 Re6 3. Nb5** with the advantage due to the limited mobility of the black pieces.  
(*Marjanovic-Forintos, Bär 1980*).
- 9) **1. ... Bc8**  
You shouldn't exchange off the weaknesses of your opponent too easily. Black can take b4-pawn whenever he wishes. The bishop is also activated.  
**2. g5 hxg5 3. Bxg5 Bb7 4. Kh2 Rxb4 5. b3 Rc8 6. Re3** and Black won easily. (*Stolz-Boleslavsky, Groningen 1946*)
- 10) **1. ... b5!**  
It would be a sin to remove the knight from the centre (after 2. Bd3 that would be the case). Black creates with b5 a strong square on d5. The protected passed pawn can be blockaded.  
**2. c5 a6**
- 11) **1. Nd1**  
On its way to f5 and the white attack will be unstoppable.  
**1. ... Rc8 2. Ne3 Rc7 3. Nf5 Rf8 4. Qd1 f6 5. f4 exf4 6. Qh5 Ne5 7. Qh7+** (*Benko-Najdorf, Los Angeles 1963*)
- 12) **1. Nd3**  
White forces a very strong centre with a pawn sacrifice.  
**1. ... exf4 2. e5 fxg3 3. hxg3 Qg5 4. Nf4**  
Black gave up a piece on c4, but he couldn't save the game anyway.  
(*Polugaevsky-Geller, Riga 1958*)
- 11. Strategy – Mini plan: C**
- 1) **1. Rg3**  
White must conquer the square d5 for his knight. For that purpose 1. b3 is not clever because of 1. ... Bxb3!
- 1. ... Rg8**  
There is no choice; the king must keep on protecting d6; 1. ... Bb5 2. c3 does not help much.  
**2. f6+** and White wins material.
- 2) **1. ... Nxe4**  
The white pawn sacrifice is correct indeed after 1. ... dxe4 2. Ng5 or 1. ... Qe7 2. e5.  
**2. Nxe4 Qe7!**  
Capturing is not obligatory. After 2. ... dxe4 follows 3. Bc4 Qe7 4. Ng5 and White is better. After the queen move the white pawn sacrifice is hardly successful.
- 3) **1. b4**  
White will conquer d4 for his knight.  
**1. ... Be7**  
The bishop must go back: 1. ... Bd4 2. Rb1 0-0 3. Nxd4 Qxd4 4. Be3  
**2. a3**  
In the 19th century sacrificing was very popular, but the positional pawn sacrifice hardly existed. Now with 2. ... d4 Black can develop sufficient counter play. Maybe therefore 2. Qf2!/? In this game White was right.  
**2. ... f5 3. Rc1 Bb7 4. Be3 Qd8 5. Nd4 Nf8 6. 0-0** with fine piece play. The knight on d1 goes to a5. (*Steinitz-Sellman, Baltimore 1885*).
- 4) **1. e5**  
White must open more lines. After 1. Nh2 c6 2. f4 d5 Black shuts off the important attacking bishop on b3.  
**1. ... Qe7 2. Rfe1 Rbe8 3. Qd2 dxe5 4. Rxe5 Qd6 5. Qg5 Rxe5 6. Nxe5 Qb6 7. g4 Bd6 8. Nxf7 Rxf7 9. Qf5 g6 10. Qe6 Kg7 11. Qxf7+ Kh6 12. Be6** (*Alekhine-Duras, Saint Petersburg 1913*)
- 5) **1. Qxc5**  
White plays for the d6-square. A

difficult task, but since you know the white plan, it's a piece of cake now. The move order with 1. e5 is also good.

**1. ... dxc5 2. e5 Bxf3 3. Rxf3 Nd7 4. Ne4 Ke7 5. Rg3 Rhg8 6. Rd6** with a big advantage (*Polugaevsky-Kotov, Moscow 1961*)

6) **1. Bc4**

This modest move is the best. Capturing on e6 strengthens the black centre and gives up the position of the knight on f5. On c2 the bishop is too passive. The possible doubled c-pawns are not weak.

(*Keres-Tarnovski, Helsinki 1952*)

7) **1. Qe3**

Attack the weak points of your opponent. The h6-pawn cannot be protected.

**1. ... Kh8 2. Rxg7 Kxg7 3. Rg1+** (*Bellon-Alonso, Cienfuegos 1996*)

8) **1. a4**

White is going to attack (and win) on the kingside, except there are too many distractions on the other side.

Therefore, White shuts the queenside at the moment when Black cannot capture *en passant* (the a5-pawn will then be incurably weak) (*Gurgenidze-Polugaevsky, Tbilisi 1956*).

9) **1. f4**

The pawn on f5 is weak but difficult to attack. White threatens to take on e5. The move 1. Bb2. is also good. Black cannot answer with 1. ... f4 because of 2. Bg4.

**1. ... e4**

Or 1. ... Rgf8 2. Bb2 with the threat 3. Bd3 and 1. ... exf4 is followed by 2. Bxf4

**2. Bb2 Qg6 3. Bh5**

10) Awkward again, but if you have seen it

once it is easy. In this kind of position White is always better (more mobility for his pieces), but to make progress is another story. Here you will manage with:

**1. c5!**

In the game *Frank Erwich-Havelaar, Wijk aan Zee 1998* White played the less strong 1. Rcd1.

**1. ... Rd8 2. cxd6 Rxd6 3. Rxd6 exd6 4. Nb4** and the black pawn structure is vulnerable.

11) The slogan is: increase your activity. The knight on f6 is vulnerable because it can be pinned along the long diagonal.

**1. Nce2**

As it turns out from the following moves the knight on g3 has one more attacking task.

**1. ... Qd7 2. Qb2 Qe7 3. Nd4 Kg8 4. Nxc6** with a winning position.

(*Smyslov-Suetin, Moscow 1952*)

12) **1. ... Ne8**

You should know that a protected passed pawn possibly is best blocked by a knight. The knight on d6 has a good position. It supports the advance f5 (and sometimes b5). (*Jezek-Uhlmann, Prague 1956*)

**12. Strategy - Mini plan: D**

1) **1. ... Ne6**

Forces the pawn forwards so that the bishops becomes less mobile. After 1. ... cxd4 2. cxd4 exd4 3. Bxd4 Ne6 4. Be3 Nc5 5. Bxc5 bxc5 Black has a better bishop ending, but the advantage is much smaller than in the game.

**2. d5 Nd8!**

On the way to a5 to attack c4. The pawn cannot be protected sufficiently any more.

**3. Kf2 Ba6 4. Ke3 Nb7** with a decisive advantage.

*(Shipman-Fine New York 1945)*

2) **1. Bf1**

Black was threatening to undermine the knight with 1. ... a5. White remains better because of the more active minor pieces, although, the advantage after 1. ... Nb7! is not big. Black played 1. ... Ne6? and lost one of only 36 games he lost during his career. *(Eliskases-Capablanca, Semmering 1937)*

3) **1. f4**

The pawn structure must be broken up before Black strikes with Kd5 and e4. **1. ... Bf7 2. fxe5+ Kxe5 3. Nc5** with a winning advantage.

*(Ludden-De Vreugt, Hoogeveen 1997)*

4) **1. ... h5**

Black creates a distant passed pawn.

**2. Ke3 g5 3. f4 exf4+ 4. gxf4 g4 5. f5 f6 6. Bf1 Ba4 7. Nc5 Bc1+ 8. Kd4 Bd1.** White resigned.

*(Visier-Gligoric, Montilla 1978)*

5) **1. ... a6**

Opening files to support the knight on c4. On its own a piece on a strong square can do nothing. 1. ... h6 2. a4 a6 3. Be3 is not necessary.

**2. bxa6 Rxa6 3. Bg5 Rfa8 4. Nc1**

Black's position is good. The white pawns are weak and easy to attack.

6) **1. ... g5**

Defends the strong square. Also 1. ... Bh6 is possible. The pawn move is less flexible but the bishop can remain active on the long diagonal.

*(Podgorny-Pachman, CSR 1954)*

7) **1. Kh1!**

The white rooks are doing nothing in this position and Black is vulnerable down the f-file. To occupy the square in front of the doubled pawns is a good

plan, except that the knight cannot get there: 1. Ne2 f5! 2. exf5 (of 2. Ng3 f4 3. Ne2 d6) 2. ... d5.

**1. ... d6 2. f4 Be6 3. Bxe6 fxe6**

This exercise belongs to chapter 9.

White is fine, but how should he continue?

*(Larsen-Zuidema, Havana 1964)*

8) Drawing

9) **1. c4**

Black gets a mobile majority if he can play c4.

*(Lasker-Tarrasch, Germany 1908)*

10) **1. Nh4**

To the edge, but on its way to the strong square f5.

**1. ... Re5 2. g4 Nb4 3. Nf5.**

White won in *Didishko-Kasparov, Minsk 1978*. Black was 15 years old at the time of this game.

11) **1. Ra1**

Other moves promise less advantage:

1. e5 Rd8 or 1. Rd1 Na6 2. Rd7? (a better move is 2. b5 Nb8 3. Ra1 a6 4. Rc1 axb5 5. Bxb5+ Kb7) 2. ... Nb8!

**1. ... a6 2. Rd1 Rf8 3. Rd7 Kb8 4. e5** with a winning position. *(Smyslov-Matanovic, Monaco 1967)*

12) **1. ... Nc5**

Thanks to the knight on a5 Black can play his knight to d3. A huge improvement of his activity.

**2. Ke2**

In the rook ending after 2. bxc5 Rxc5 3. Nxc4 Rxc4 White has weak pawns. In the game *Aaron-Botvinnik, Leipzig 1960* the black knight came in with 2. ... Nd3 and Black won.

**13. Mobility - Trapping: A**

1) 1. ... Rh6 2. Qg8 f5

2) 1. Ne5 fxe5 2. f3

3) 1. Rf1 Qe4 2. Rf4

- 4) 1. Nce2 Qxb2 2. Bc3
- 5) 1. Bxh7+ Nxh7 2. Ng6
- 6) 1. ... Rxf3 2. Nxf3 Be8
- 7) 1. ... Bb4 2. Bxb4 b6
- 8) 1. ... Rxd4 2. Nxd4 Nd8
- 9) 1. Nxd6 Bxd6 2. Re4
- 10) 1. ... Bd4+ 2. cxd4 Re8
- 11) 1. Nf4 Bd6 2. h3
- 12) 1. f5 Bxc4 2. Bg5

#### 14. Mobility - Trapping: B

- 1) 1. ... Rh8 2. Qf5 Nc5
- 2) 1. ... Qb8 and 2. ... Bb7
- 3) 1. Bg4+ Kb8 2. Bf5
- 4) 1. Rxd6 (1. Rc6 Bf8!) Rxd6 2. Ba7
- 5) 1. e5 Nxe5 2. Bg5 Nxf3+ 3. Nxf3
- 6) 1. axb4 Qxa1 2. Nb3
- 7) 1. b6 Qxb6 2. Qc3
- 8) 1. ... Bg7 2. Bxg7 Qxg5
- 9) 1. ... Nf6 2. f3 Bd5
- 10) 1. Nxf7 Kxf7 2. Bf4
- 11) 1. Rxf7 Kxf7 2. Bg5 Qh5 3. g4
- 12) 1. Bg5 Rd8 2. g4

#### 15. Mobility-Trapping (Queen b2/b7): C

- 1) 1. Nc4 Qb4+ 2. Bd2
- 2) 1. ... a5 2. Ba3 Rcb8
- 3) 1. Re1 Qc2 2. Ne1
- 4) 1. Nc3 Ne5 2. Rb1
- 5) 1. a3 Qb6 2. Nxe6
- 6) 1. h7+ Kh8 2. Qd4+ Kxh7 3. Rfb1
- 7) 1. a4 Qb6 2. Rfb1 Qc6 3. Bb5
- 8) 1. Na4 Qb4 2. Bd2 Qa3 3. Rf3
- 9) 1. ... Qd6 2. Bg5 f6 3. Be3 Rfb8
- 10) 1. Bxc5 Qxc3 (1. ... dxc5 2. Na4) 2. Bb4
- 11) 1. Na4 (1. Ndb5 Nb4 2. Rc1 Kd8) 1. ... Qa3 2. Bc1 Qb4+ 3. Bd2 Qa3 4. Nb5
- 12) Drawing

#### 16. Mobility – Trapping (Double attack): D

- 1) 1. Nf7 Rb6 (1. ... Rf6 2. Ne5+ Kc5 (2.

- ... Kb4 3. Nd5+) 3. Nd7+ ; 1. ... Rd4 2. Ne5+ Kc5 3. Ne6+) 2. Ne5+ Kb4 (2. ... Kc5 3. Nd7+) 3. Nd5+ (*Prokes 1950*)
- 2) 1. Ng4 Rf4 (1. ... Rc6 2. Ne5+ Kxc5 3. Nxc6) 2. Ne5+ Kxc5 3. Nd3+ Kc6 4. Nxf4 Kxc7 5. Kb3 (*Troitzky 1910*)
- 3) 1. Nf7 Qh4 (1. ... Qf8 2. Nf4+ Kh4 3. Ng6+ ; 1. ... Qe8 2. Nf6+ ; 1. ... Qg8 2. Nf6+) 2. Nf4+ Qxf4 3. exf4 (*Becker 1921*)
- 4) 1. Nb7 Qa2 (1. ... Qg8 2. Nc5+ Kd5 3. Ne7+) 2. Nd6+ Kd5 3. Nb4+ (*Pogosjants 1971*)
- 5) 1. Nf7 Qh2 (1. ... Qf4 2. g4+ Kh4 3. Ng6+ ; 1. ... Qg7 2. g4+ Kh4 3. Nf5+ ; 1. ... Qh4 2. g4+) 2. g4+ Kh4 3. Nf5+ Kh3 4. Ng5# (*Kubbel 1924*)
- 6) 1. Ng6 Rd8 2. Nf4+ Kd4 3. Ne6+ (*Blandford 1980*)
- 7) 1. Kb5! Re8 2. c4+ Ke4 (2. ... Ke6 3. Ng7+) 3. Nd6+ (*Mandil 1933*)
- 8) 1. Kc2 Rg3 (1. ... Re3 2. Nc7+ Ke7 3. Nd5+) 2. Nc7+ Ke7 (2. ... Kf6 3. Ne4+) 3. Nf5+ (*De Barbieri 1924*)
- 9) 1. Na5+ Kc7 (1. ... Kb8 2. Kb6 Ra7 3. Nac6+) 2. Nd5+ Kb8 (2. ... Kd6 3. Nc4+ Kxd5 4. Nb6+ ; 2. ... Kd8 3. Nc6+ Kd7 4. Nb6+) 3. Nb6 Ra7 4. Nc6+ (*Rinck 1944*)
- 10) 1. h4 Qe6 2. Ncb6+ Kd3 3. Nf4+ (*Rinck 1933*)
- 11) 1. Kd1 c3 2. b3 c2+ 3. Kc1 (3. Kxc2? Qc7) (*Lamos 1968*)
- 12) 1. Nf3+ Ke4 2. Kg4 Ra5 (2. ... Ra6 3. Nc5+) 3. Nf6# (*Bent 1967*)

#### 17. Draw – Perpetual check: A

- 1) 1. Rf2 Rxf2 2. Qh5+ Kg8 3. Qe8+
- 2) 1. Qe6+ Kh8 2. Ng6+ hxg6 3. Qh3+
- 3) 1. ... Ng4 2. hxg4 Qf2+ 3. Kh2 Qh4+ 4. Kg1 Qf2+
- 4) 1. Rxf8+ Bxf8 2. Qg8+ (2. Nf6 Rxc1#) 2. ... Kxg8 3. Nh6+ Kh8 4. Nf7+

- 5) Drawing
- 6) 1. Ne3 Be6 2. Nc2+ Kd5 3. Nb4+ Kd4 4. Nc2+
- 7) 1. e7 h2 2. e8N h1Q 3. Nc7+ Ka7 4. Nxb5+
- 8) 1. Qb8+ Kb6 2. Qa7+ Kc7 3. Qb8+
- 9) 1. Qxg7+ Rxg7 2. Rxf8+ Rg8 3. Rff7 Ra8 4. Rxh7+
- 10) 1. ... Qf3+ 2. Rg2 Qf1+ 3. Rg1 Qf3+ 4. Qg2 Ng3+ 5. hxg3 Qh5+ 6. Qh2 Qf3+ 7. Rg2 Qd1+
- 11) 1. ... Ra2+ 2. Kg1 Nf3+ (2. ... Rd2=) 3. Kf1 Rd2 4. c7 Nh2+
- 12) 1. Qg8+ Kg6 2. Qe6+ Kh7

### 18. Draw - Stalemate: A

- 1) 1. ... g3+ 2. Qxg3 Qg1+ 3. Kxg1 stalemate.
- 2) 1. Qf6+ Kg8 2. Qg7+ Kxg7 3. h6+ Kg8 stalemate.
- 3) 1. Ra8 Rxa8 2. Qa2+ Rxa2 stalemate.
- 4) 1. Qe5+ Qg7 2. Qb8+ Qxb8 stalemate.
- 5) 1. ... Bxe4+ 2. Qxe4 Qh2+ 3. Kxh2 Ra2+ 4. Kh1 Rh2+ 5. Kxh2 stalemate.
- 6) 1. Ra8+ Kh7 2. Rh8+ Kxh8 3. Qh6+ Qxh6 stalemate.
- 7) 1. ... Rh1+ 2. Kxh1 Ng3+ 3. fxg3 Qxg2+ 4. Kxg2 stalemate.
- 8) 1. Qd8+ Kg7 2. Nh5+ gxh5 3. Qg5+ Qxg5 stalemate.
- 9) 1. ... Nf2+ 2. Bxf2 Qh3+ 3. Bxh3 stalemate.
- 10) 1. ... Rd3+ 2. Qxd3 Qe3+ 3. Qxe3 stalemate.
- 11) 1. Rcg1 Bxg1 2. Rxg6+ Rxg6 stalemate.
- 12) 1. c8Q+ (1. Bxf5 Qh8+ 2. Ke7 Kxc7) 1. ... Bxc8 2. Bxe4+ Qxe4 stalemate.

### 19. Draw - Defending against a passed pawn: A

- 1) 1. Bd2 a1Q 2. Bc3+ Qxc3 stalemate.
- 2) 1. Ne2 f1Q+ 2. Ng1+ Ke3 stalemate.

- 3) 1. Rb3 Bf2+ 2. Ka8 e1Q 3. Rb1 Qxb1 stalemate.
- 4) 1. Kh3 (1. Rg5+? Bxg5 2. Kh3 g1N+) 1. ... g1Q 2. Rg5+ Qxg5 stalemate.
- 5) 1. b8Q Bxb8 2. Bb1 cxb1Q stalemate.
- 6) 1. Re2 d1Q 2. Rd2+ Qxd2 stalemate.
- 7) 1. Re3+ Kxe3 2. Kc3 b1Q stalemate.
- 8) 1. Rg7+ Kf8 2. Rg5 f1Q 3. Rf5+ Qxf5 stalemate.
- 9) 1. Nb5 Bxb5 2. Bh6 Kf6 3. Bd2 a1Q 4. Bc3+ Qxc3 stalemate.
- 10) 1. Ne3 e1Q 2. Nc2+ dxc2 stalemate.
- 11) 1. Ne5 (1. Na5 Be3 2. Nc4 Bf4) 1. ... d2 2. Nc4 d1R 3. Nb6+ and stalemate.
- 12) 1. Kf3 g1Q 2. Rh5+ Kg6 3. Rg5+ Qxg5 stalemate.

### 20. Draw – Fortress?: A

- 1) Yes: White cannot make any progress because of stalemate.
- 2) Yes: White keeps repeating Rh4 and Rf4.
- 3) Yes: White cannot make any progress because of stalemate.
- 4) No: White wins with 1. Kd7 c4 2. Kd6 Kc8 3. Bd5
- 5) Yes: White plays Ke2 and Kd1
- 6) No: White wins with 1. Kd7 Kg8 2. Ke7 Kh8 3. Nf6 gxf6 4. Kf7
- 7) No: White wins with 1. Qh1 (if it is Black to move: yes! 1. ... h3)
- 8) No: White wins with 1. Be7! Kxe7 2. Kc7 Bf8 3. d6+ Kf7 4. d7 Be7 5. d8D Bxd8+ 6. Kxd8
- 9) Yes: White plays Rh3 and Rh1. After 1. ... Rc4 comes 2. Kd2
- 10) No: White wins with 1. Ke7 Kc6 2. Kd8 Kb5 3. Nb8
- 11) Yes: The bishop must remain on the long diagonal. After 1. Rf7+ Kg8 2. Rf6 Black does not take but plays 2. ... Kg7!
- 12) Drawing

## 21. Draw – Insufficient material: A

- 1) 1. Ke2 (1. Kc2? Ne3+ 2. Kb3 Nd5 3. Kc4 Kd7) 1. ... Kd7 2. Kd3 b3 3. Kc3 Nd2 4. Kxd2 Kc6 5. Kc3 (*Pogosjants*)
- 2) 1. ... Nb3 2. Ba4 Kc1 3. Bxb3 Kb2 (*Leepin 1946*)
- 3) 1. Nf5+ Kf8 (1. ... Kxg6 2. Ne7+) 2. g7+ Bxg7 3. Ne7 Rh8 4. Ng6+ (*Prokes 1941*)
- 4) 1. h6 (1. f5 Kf4 2. f6 gxf6 3. h6 Kg5 4. h7 Nf4+) 1. ... gxh6 2. Kh4 Nxf4 stalemate (*Prokes 1938*)
- 5) 1. f4 Bc7 2. f5 exf5 (2. ... e5 3. f6 Kb5 4. f7 Bd6 5. Kg7 Kc4 6. f8Q Bxf8+ 7. Kxf8) 3. f4 Bxf4 4. Kg6 (*Wotawa 1937*)
- 6) 1. f6! gxf6 2. Kh6! (2. Kg6? Nd7) 2. ... Nd7 3. Kg6 (*Pogosjants 1976*)
- 7) 1. Kc3! (1. Kb3? Ne3! 2. Kb4 Nd5+ 3. Ka5 Nc7) 1. ... Ne3 2. Kd4! Nc2+ 3. Kc5 Ke5 4. Kb6 Nb4 5. Ka5 (*Kuzminich 1986*)
- 8) 1. Ke5 Bb3 2. g8N! f6+ 3. Nxf6 exf6+ 4. Kxf6 (*Richter 1960*)
- 9) 1. Ne4+ Ngxe4 (1. ... Ncxe4 2. Bxe5+ Qxe5 (2. ... Kxe5 3. Nc4+) 3. Ng4+) 2. Bxe5+ Qxe5 (2. ... Kxe5 3. Nc4+) 3. Ng4+ (*Von Holzhausen 1912*)
- 10) 1. Nc6 Bxd7 2. Ne5
- 11) 1. Na5! Kxa5 2. d8N! (*Comay 1990*)
- 12) 1. ... Kg6 2. Bxe5 Kh5 3. Kg2 Kg4 4. Kf2 f4

## 22. Draw – Wrong bishop: A

- 1) 1. Kd1 (1. Na1 Ba4 2. Kf1 Kd2) 1. ... Ba4 2. Kc1 Bxb3 3. Kb2
- 2) 1. bxa5 bxa5 2. Kf2 Bxf3 3. Ke3 and the king reaches the corner.
- 3) 1. Bf2 Kf5 2. Bh4
- 4) 1. Kf4! (1. Kf5 Kg3 ; 1. c7 Bxc7+ 2. Kf5 h6) 1. ... Kh3 2. c7 Bxc7+ 3. Kg5 Bf4+ 4. Kxf4 h5 5. Kf3
- 5) 1. ... Nxf4+ (1. ... Ng1 2. Bg2) 2. gxf4

g5 3. fxg5 h6

- 6) 1. ... Nb8 2. b5 (2. Kc4 Nc6 3. Bb6 Nxb4) 2. ... Nc6+
- 7) 1. Rb4 cxb4 2. Kxd4 b3
- 8) 1. ... Rg3+ 2. Kxf4 Rg4+
- 9) 1. Ka4 Kd4 2. Ka3 Kc3 3. b5! (3. Ka4 Kb2 4. Ka5 Kb3) 3. ... axb5 stalemate.
- 10) 1. Nxc4+ Ka6 2. Nd6 Bd7 3. Nxb5 Kxb5 4. Kc3
- 11) 1. ... Rb4 2. Kg3 Nxe5 3. fxe5 Rxd4+ 4. Kxg4 f6 5. exf6 Kg6
- 12) 1. f8Q+ Bxf8 2. Nf7+ Kg8 3. Nh6+ gxh6 4. Ke3

## 23. Opening - Which developing move?: A

- 1) a) 1. Qd6 Not a bad move. White is better because the queen is difficult to chase away from d6.  
b) 1. Bd3 A developing move, that causes Black no problems.  
c) **1. Na4!**  
Moving the same piece twice is very good here. White threatens to win material with 2. Nb6 and 3. Nxc8. Black opted for sudden death with 1. ... Nbc6? 2. Bb6 (*Hector-Vidarsson, Reykjavik 1996*)
- 2) a) 1. Nf3 Bad, Black wins with 1. ... Ne4 2. Bh4 Qxh4.  
b) **1. e3**  
The correct move. White parries both threats (... Ne4 and ... Bxf2).  
c) 1. Nc3 prevents 2. ... Ne4 but now 2. ... Bxf2+ wins.
- 3) a) **1. ... Be6**  
This move is recommended by theory. White can win his pawn back with 2. Bxe6 fxe6 3. Qb3 but after 3. ... Qd7 Black has adequate play.  
b) 1. ... Be5 Black must reckon with 2. Ng5 Nh6 3. Nxf7 Nxf7 4. Bxf7 Kxf7 5. Qh5+ after which White who is better. He gets his pawn back.

- c) 1. ... Bg4? The worst of the three.  
After 2. Qb3 Qd7 3. Bxf7+ (but not 3. Qxb7? Rb8 4. Bxf7+ Kd8 5. Qa6 Bxf3 6. gxf3 Rb6 7. Qc4 Ne5) 3. ... Qxf7 4. Qxb7 Rc8 5. Qxc6+ Bd7 6. Qa6 Nf6 7. e5 Ne4 8. Re1 Nc5 9. e6 Nxe6 10. Ng5 Black resigned.  
(*Pytel-Castro, Dortmund 1977*)
- 4) **a) 1. ... e6**  
The best. The action of b) gains nothing now: 2. Ng6 fxc6 3. Qxc6+ Ke7.  
b) 1. ... e5 Good move, except after 2. Ng6 fxc6? ( 2. ... Bb4+ is better although White is fine after 3. c3 fxc6 4. Qxc6+ Kf8 5. cxb4 exd4 6. 0-0) 3. Qxc6+ Ke7 4. Nf5#  
c) 1. ... Ngf6 White gets an advantage with 2. Ng6 Rg8 (2. ... Nc5 3. Qc4 fxc6 4. Qxc5 is also better for White) 3. Bf4.
- 5) a) 1. Nf3? After 1. ... Nb4 is White has serious problems.  
b) 1. a3? After 1. ... Nd4 White solved these problems by resigning.  
(*Kox-Welling, Eindhoven 1973*)  
c) **1. e3**  
Black does have compensation for the pawn after 1 ... Nb4 2. Bb5+ Ke7
- 6) a) 1. ... dxe4 is dangerous for Black after 2. Ng5! (not 2. Nxe5 Qa5+).  
**b) 1. ... Bd6**  
The best move. Black maintains his centre.  
c) 1. ... Bg4 Too active. Namely, after 2. exd5 cxd5 3. h3 Black must take on f3 and it is a waste of time and of the bishop.
- 7) **a) 1. ... Bxd2+**  
The winning move. After 2. Qxd2 Nc6 3. Rd1 e5! Black has superior play.  
b) 1. ... Qxd4 Too greedy. Black is lost after 2. Bxb4! Qe4+ 3. Be2 Qxh1 4. Qd6! Nc6 5. Bf3! Nxb4 (5. ... Qxcg1+ 6. Ke2 Nd4+ 7. Qxd4) 6. 0-0-0!  
(*Griffith-Brainin 1943*)  
c) 1. ... Nc6 Does not cause much trouble for White, after 2. Bxb4 Nxb4 3. Nf3 Nc2+ 4. Qxc2 Qxf3 5. Rg1 0-0 6. Bg2.
- 8) **a) 1. ... h5**  
Black's position is worse, but still playable. Black continues with Ne7, g6 and Nf5.  
b) 1. ... Qc7 attacks e5, but after 2. Bd4 the queen just becomes vulnerable on the open c-file.  
c) 1. ... f5 Opening the position when you are behind in development is not a good strategy: 2. exf6 Nxf6 (better 2. ... Qxf6 3. Bd4 Nh6 4. Qh5+ Qf7 5. Qg5 and White is better) 3. Qg6+ and mate.  
(*Pulnikov-Oserov, Togliatti 1984*)
- 9) **a) 1. ... Nb4**  
A correct decision. After 2. Bc2 (2. Qa4+ Bd7 3. Qb3 Be6 4. Qa4+ Qd7 of 2. Bb5+ c6) 2. ... Qxd1+ Black has a decisive advantage.  
(*Guinari-Rastrelli Bologna 1925*)  
b) 1. ... f6 White does not accept the pawn sacrifice and plays 2. 0-0 Ngxe5 3. Bxe5 fxe5 4. Bb5.  
c) 1. ... Be6 A passive developing move. Black must show how he gets his pawn back after 2. 0-0.
- 10) a) 1. Re1 Black can castle.  
b) **1. Bxf6!**  
The point is that after 1. ... Qxf6 2. Nxe6 follows. White is better in any case: 2. ... Bxe6 3. Bxe6 fxe6 (3. ... Qxe6 4. Re1 of 3. ... 0-0 4. Bd5) 4. Qh5+. Black must take with the g-pawn and that appeared to be good for White in the game *Sutovsky-Bykhovskiy, Tel Aviv 1995*: 1. ... gxf6 2. Qg4 (Black

has difficulties developing.) 2. ... Bxd4  
3. cxd4 h5 4. Qg7 Ke7 5. d5! Qg8 (5.  
... exd5 6. Bxd5! Qxd5 7. Qxh8 Bh3 8.  
Qg7) 6. d6+ Kxd6 7. Qxf6 Bd7 8.  
Rfd1+ Kc7 9. Be2

c) 1. Qe2 Black can castle.

- 11) a) 1. ... a6 chases the bishop to a better square.

**b) 1. ... Ne4**

The best move. White is not yet fully developed. Furthermore, two pieces are unprotected and the winning 2. ... Qa5 is being threatened. After 2. Qa4 (2. Be3 Qa5) 2. ... Bc5 3. Be3 Bxe3 4. Rxe3 Qf6 Black has a huge advantage.

c) 1. ... Be6 Passive defence is not necessary.

- 12) **a) 1. c3**

The best move. After 1. ... Be7 2. Qa4 Nh6 3. Ne4 0-0 (3. ... Nf5 4. Rd1 b5 5. Qc2) 4. Bxh6 gxh6 5. Rfd1 Qe8 6. Qxd7 Bxe4 7. Qxc7 Bc5 8. b4 Be7 9. Nd4 Bxg2 10. Kxg2 Qd8? 11. Nxe6 White obtains a decisive advantage.

(*Quiteros-Miana, Argentina 1975*)

b) 1. Re1 Weakens the f2-square, so Black always wins a tempo with Bc5.

c) 1. Qe2 An ordinary move in this kind of positions. The queen is not always happily situated on e2 because of a5 and Ba6.

**24. Double attack - Knight: A**

- 1) Drawing
- 2) 1. Qxc5 dxc5 (1. ... h5 2. Qc6 Qf5 3. Rb8+ Kh7 4. Ne3) 2. Rb8+ Bf8 3. Nf6+
- 3) 1. Rxf8+ Rxf8 2. Rxf8+ Qxf8 3. Nxc6+
- 4) 1. Rxh4 Qxh4 2. Qxf8+ Kxf8 3. Ng6+
- 5) 1. Nf6+ Kf7 2. Qxg7+ Kxg7 3. Ne8+
- 6) 1. ... Rxe2+ 2. Rxe2 Bxe2 3. Kxe2 Nxc3+

- 7) 1. ... Rh3 2. Qxh3 Nf4 3. Qg3 Ne2+
- 8) 1. ... Bxe4 2. fxe4 Qxe3
- 9) 1. Rxc4+ Kxc4 2. Nd2+ Kc5 3. Nb3+
- 10) 1. ... Qxf4+ 2. Kxf4 g5+ 3. Kg4 Ne3+
- 11) 1. b4 Bb6 2. b5 Na5 3. Ne7+
- 12) 1. ... Rg2 2. Qd4 Nf4+ 3. Qxf4 gxf4 4. Kxg2 e5

**25. Eliminating of the defender -**

**Chasing away + mate: A**

- 1) 1. ... Rxf4 2. Qxf4 Qxe2 3. Rxe2 Rb1+
- 2) 1. ... Qf2 (1. ... Qa6 2. Ng3)
- 3) 1. ... Nf2+ 2. Rxf2 (2. Kg1 Ne4+) 2. ... Bd4 3. Qxd4 Re1+
- 4) 1. ... Bh6 2. Bxh6 Qf2+ 3. Kh1 Qf1+ 4. Rxf1 Rxf1#
- 5) 1. Rxe8 (1. Qb5 also wins) 1. ... Qxe8 2. Qa4 Qxa4 3. Rb8+
- 6) 1. Ne7+ Rxe7 2. Qxf6 Qxf6 3. Rd8+
- 7) 1. ... Rxa3 2. bxa3 Qxa1+ 3. Rb1 Re1+ 4. Qf1 Rxf1+
- 8) 1. ... Rxd2 2. Rxd2 Qxg3 3. Qxg3 Rc1+
- 9) 1. ... Qc1+ 2. Qd1 Rc2 3. h3 Qxd2
- 10) 1. Nf5 exf5 2. Qxc8+ Nxc8 3. Re8#
- 11) 1. ... Rdx8 2. Qxe8 h6
- 12) 1. ... Rd1+ 2. Rxd1 Qxc3

**26. Double attack-Discovered attack: A**

- 1) 1. Rxd6 Rxd6 2. Qxf8+ Kxf8 3. Bh6+
- 2) 1. ... Qg1+ 2. Kxg1 d1Q+ 3. Qxd1 e2+
- 3) 1. Rxe5 dxe5 2. Bxf6+ Kxf6 3. Ne4+ fxe4 4. Qxa5
- 4) 1. ... Rxg2+ 2. Kxg2 Bxd5+ 3. Kh3 Bg2+ 4. Kxg2 Qxd4
- 5) 1. Rxe7+ Kxe7 2. Qe4+ Kf8 3. Ne6+
- 6) 1. ... Nf3+ 2. gxf3 Qg6+ 3. Kh1 Ng3+
- 7) 1. Nd5 Qxe1 2. Ne7+ Kh8 3. Rf8#
- 8) 1. Nf7+ Rxf7 2. Ne5
- 9) 1. Bxg7 Bxg7 2. Qh5 h6 3. Bh7+
- 10) 1. Ng6! hxg6 2. Qxd6
- 11) 1. e6 Qxc7 2. exf7+ Bxf7 3. Rf8#
- 12) Drawing

**27. Double attack - Queen: A**

- 1) 1. Bxh7+ Kxh7 2. Qc2+ Kg8 3. Bc7
- 2) 1. Rd8+ Kg7 2. f5 Bxf5 3. Qc5
- 3) 1. Nfxd5 Nxd5 2. Qh5 Nf6 3. Qb5+
- 4) 1. ... Rc1+ 2. Nf1 Rxf1+ 3. Kxf1 Qb5+
- 5) 1. Nxf5 Bxf5 2. Bxf5 Rxf5 3. Qd5+
- 6) 1. ... Qe6 (1. ... Rxh3+ 2. Kxh3 Qf7) 2. Rf2 Rxh3+ 3. Kxh3 Qh6#
- 7) 1. ... Nc5 2. Nxc5 Qe1+ 3. Qf1 Qe3+
- 8) 1. Nd5 exd5 2. Rxe7 Qxe7 3. Qxf5+
- 9) 1. ... d3 2. hxg4 dxe2 3. Qxe2 Qd4+
- 10) 1. Qf6+ Qxf6 2. Rxg8+ Kxg8 3. e8Q+
- 11) 1. ... Qh3 2. gxh3 Nf2++ 3. Kg1 Nhx3#
- 12) 1. Be4 Qa6 2. Rxe7 Rxe7 3. Qb8+

**28. Eliminating of the defender - Interfering: A**

- 1) 1. h6+ Kh8 2. Be6 d5 3. Qe5+
- 2) 1. ... Bf2 2. Qxf2 Rxe1 3. Rxe1 Rxe1+
- 3) 1. ... Rc1+ 2. Bxc1 Qh3+ 3. Rh2 Qf1#
- 4) 1. Nxf5+ gxf5 2. Re6+ fxe6 3. Qf6#
- 5) 1. Re5 Bxe5 2. f6 Rg8 3. Bg7+
- 6) 1. Bf4 Rxf4 2. Qh7+
- 7) 1. ... Bd2 2. Rxe4 Bxc3 3. Kf1 fxe4
- 8) 1. R1b4 axb4 2. Qh6+ Kxh6 3. Bf8+ Kh5 4. Be2#
- 9) 1. Bc7 Qxc7 2. Rxc5+ Qxc5 3. Qb7+ Kxa5 4. Ra1#
- 10) 1. Be5 Rxe5 2. Ne8 Nf5 3. Nf6+ Kh8 4. Qg8#
- 11) 1. ... Bf2
- 12) 1. ... Be3 2. Bxf7 Qxe4+

**29. Eliminating of the defender - Blocking: A**

- 1) 1. Ra1+ Ra2 2. Ra4+ bxa4 3. b4#
- 2) 1. ... a3 2. Qxa3 Rh1+ 3. Kb2 Rb1#
- 3) 1. ... Bd2 2. Qxd2 Qg2+ 3. Ke1 Qg1#
- 4) 1. Rh7 Bxh7 2. Qh8+ Bg8 3. Qh6#
- 5) 1. ... Bg1+ 2. Qxg1 Ng4+ 3. hxg4 Qh6+ 4. Bh4 Qxh4#
- 6) 1. Qe5+ Kf8 2. Qf6 Qxe7 3. Qh8#
- 7) 1. ... f6+ 2. exf6 Re5+ 3. Kh4 Rh5+ 4.

Kg3 Rh3#

- 8) 1. Qg8+ Bf7 2. Qd8 Rxcg4 3. Qd7#
- 9) 1. ... Re3 2. fxe3 Nh3 3. Ne4 Qg1#
- 10) 1. Rd7 Bxd7 2. Qd6+ Re7 3. Qh6+ Ke8 4. Rg8#
- 11) 1. ... Re4+ 2. dxe4 Ba6
- 12) 1. Rg6 Ng3 2. Rg4+ Rxcg4 3. Nh3#

**30. Pin - Mix: A**

- 1) 1. ... Qxd5 2. cxd5 Re1+ 3. Kg2 Bf1+ 4. Kg1 Bh3#
- 2) 1. Nxe6+ Bxe6 2. Qb4
- 3) 1. Ng6 Qf6 2. Ne7+ Qxe7 3. Qxf5
- 4) 1. Rxc5! (1. Nxc5? Rxc5 2. Qa3 Rc8) 1. ... Rxc5 2. Qa3 Rc8 3. Rc1
- 5) 1. Qa4+ Qc6 2. Rd8+ Kxd8 3. Qxc6
- 6) 1. ... Nxg5 2. fxg5 Rxe3
- 7) Drawing
- 8) Drawing
- 9) 1. ... Nxb3+ 2. Nxb3 Bxa4 3. Rd3 Qb7
- 10) 1. Bd5 Rxd5 2. Qxe6+ Rd7 3. Rxd4
- 11) 1. Qe4 Kh8 (1. ... Bxd5 2. Qxd5+ Kh8 3. Rxe5) 2. f4
- 12) 1. ... Bd5 2. Qe2 Qb1

**31. Pawn endgame - Key squares: A**

- 1) 1. Kd7! (1. Kc7? a3 2. Kd6 Kd4!) 1. ... a3 2. Ke6! Kd4 (2. ... Ke4 3. Kf6!) 3. Kf5 Kc3 4. Ke4 Kb2 5. Kd3 Kxa2 6. Kc2 (*Grigoriev 1925*)
- 2) 1. Kg7 h5 2. Kf6! (2. Kg6? h4 3. Kg5 h3) 2. ... h4 3. Ke5 h3 4. Kd4 Kg2 5. Ke3 Kxh2 6. Kf2
- 3) 1. Kf4 Kd5 2. Ke3 Kc4 3. a4! (3. Kd2 Kb3 4. a4 Kxa4) 3. ... bxa4 4. Kd2 Kb3 5. Kc1 (*De Feijter 1932*)
- 4) 1. Kh8! (1. Kf8 Kf6 2. Kg8 Ke5 3. Kf7 Kd4 4. Ke6 Kc3 5. Kd5 Kb2 6. Kc4 Kxa2) 1. ... Kf6 2. Kh7! Ke5 3. Kg6 Kd4 4. Kf5 Kc3 5. Ke4 Kb2 6. Kd3 Kxa2 7. Kc2 (*Kovalenko 1977*)
- 5) 1. Kf8 (1. Kh7? Kf5 2. Kg7 Ke4 3. Kf6 Kd3 4. Ke5 Kc2 5. Kd4 Kxb2) 1. ...

- Ke6 2. Ke8 Kd6 3. Kd8
- 6) 1. Kf4! (1. Ke3 Kc4 2. Kd2 (2. a4 Kb4 3. Kd4 Kxa4 4. Kc3 b5 5. Kb2 Kb4) 2. ... Kb3) 1. ... b5 (1. ... Kc4 2. Ke5 Kb3 3. Kd6 Kxa3 4. Kc6=) 2. Ke3 Kc4 3. a4 bxa4 4. Kd2 (*Iriarte 1975*)
  - 7) 1. Kc4 Kb2 ((1. ... Ka4 2. Kd4 Kb5 3. Ke4 Kc6 4. Kf5! – 4. Kf4? h3=) Kd3 Kc1 3. Ke2 Kc2 4. Kf3 (*Moravec 1952*)
  - 8) 1. Kb5 Kc3 2. Kc5 Kd3 3. Kd5 Ke3 4. Ke5 Kf3 5. Kf5 Kg3 6. h6! (*Selesniev 1914*)
  - 9) 1. Kg7! h5 (1. ... Kd3 2. Kxh7) 2. Kg6 h4 3. Kg5 h3 4. Kg4 Kd3 5. Kxh3 Ke4 6. Kg4 (*Grigoriev 1938*)
  - 10) 1. Kg5 (1. Kg7? h5 2. Kg6 h4 3. Kg5 Kc6 4. Kxh4 Kd7 5. Kg5 Ke8 6. Kg6 Kf8=) 1. ... Kc4 2. Kh6 Kd5 3. Kxh7 Ke6 4. Kg6 (4. Kg7? Kf5=) 4. ... Ke7 5. Kg7 Ke6 6. h4 Kf5 7. h5
  - 11) 1. Kc6! (1. Kc5? Kb7 2. Kd6 Kc8! 3. Ke7 Kc7 4. Kf6 Kd6 5. Kg5 h3 6. gxh3 Ke7=) 1. ... Kb8 (1. ... Ka6 2. Kd6 Kb6 3. Ke6 Kc6 4. Kf5 h3 5. gxh3 Kd7 6. Kf6 Ke8 7. Kg7) 2. Kd7! (2. Kd6? Kc8=) 2. ... Kb7 3. Ke6 Kc7 4. Kf5 h3 5. gxh3 Kd7 6. Kf6 Ke8 7. Kg7 (*Moravec 1952*)
  - 12) 1. Kd2 (1. Kxd3? Ke1 2. Kc2 (2. a4 Kd1) 2. ... Ke2 3. a4 Ke1!=) 1. ... Kf2 2. a4 Kf3 3. Kxd3

### 32. Pawn endgame - Key squares: B

- 1) 1. Ke6! (1. Kxd5 Kf7 ; 1. Kxf5 Kd7) 1. ... Kd8 2. Kxd5 f4 3. Ke4 Ke7 4. Kxf4 Kf6 5. Ke4 Ke6 6. e3 (*Glaser 1939*)
- 2) 1. a3 (1. a4? Ka8 2. a5 Kb8 3. b6 axb6 4. axb6 Ka8 5. b7+ Kb8 6. Kb6 stalemate.) 1. ... Ka8 2. a4 Kb8 3. a5 Ka8 4. b6 axb6 5. axb6 Kb8 6. b7 (*Fahrni*)
- 3) 1. Kb5! (1. Kb6? Kb8 2. Ka5 Kc7 3.

- Kb5 Kc8=. Also good is 1. Ka5! Ka7 2. Kb5 Kb8 3. Kb6 Ka8 4. Kc7) 1. ... Ka7 2. Ka5 Ka8 3. Ka6 Kb8 4. Kb6 Ka8 5. Kc7 (*Verburg 1985*)
- 4) 1. Kh4 Kg7 2. Kg5! (2. e5? Kxh7= ; 2. h8Q+? Kxh8 3. Kxh5 Kh7=) 2. ... Kxh7 (2. ... h4 3. Kxh4 Kxh7 4. Kh5 ; 2. ... Kh8 3. Kg6 h4 4. e5 and mate on e8.) 3. Kxh5 Kg7 4. Kg5 Kf7 5. Kf5 Ke7 6. Ke5 Kf7 7. Kd6 (*Herberg 1941*)
  - 5) 1. g8N+ Kh7 2. Kc2 (2. Nf6+? Kg6 3. Kc2 Kxf6 4. Kxd2 Kf5=) 2. ... Kxg8 3. Kxd2 Kf7 4. Ke3 Ke6 5. Ke4
  - 6) 1. Kf2! (1. b4? Kg4 2. Ke3 Kf5 3. Kd4 Ke6 4. Kc5 a5 5. bxa5 Kd7 ; 1. Kf3? Kh2! 2. b4 Kg1=) 1. ... Kg4 2. Ke3 Kf5 3. Kd4 Ke6 4. Kc5 Kd7 5. Kb6 Kc8 6. Kxa6 Kc7 7. b4 (*Leick 1948*)
  - 7) 1. Kc2! (1. b3? Ke7 2. Kb2 a4! 3. b4 Kd6 4. Ka3 Kc6 5. Kxa4 Kb6= ; 1. Kb1? Ke7 2. Ka2 Kd6 3. Ka3 Kc6 4. Ka4 Kb6=) 1. ... a4! (1. ... Ke7 2. Kb3 Kd6 3. Ka4) 2. Kb1! (2. Kc3? a3! 3. b3 Ke7=) 2. ... a3 3. b3! (3. b4? Ke7 4. Ka2 Kd6 5. Kxa3 Kc6 6. Ka4 Kb6=) 3. ... Ke7 4. Ka2 Kd6 5. Kxa3 Kc6 6. Ka4 Kb6 7. Kb4 (*Dedrlle 1921*)
  - 8) 1. e3 (1. e4? g5 2. e5 Kg8 3. Ke7 g4 4. e6 g3=) 1. ... g5 2. Kxg5 Kg7 3. Kf5 Kf7 4. e4 Ke7 5. Ke5
  - 9) 1. a5! (1. Kh5? a5 2. Kg5 Kg8 3. Kf6 Kh7 4. Ke6 Kxh6 5. Kd6
  - 10) 1. Kb4! Kg5 2. Kc5 Kf4 3. Kd4! Kf5 4. Kxd5 (*Moravec 1940*)
  - 11) 1. a3 (1. a4? Kb7 2. b3 Kc7! 3. a5 bxa5 4. Kxc5 a4 5. bxa4=) 1. ... Kb7 2. a4 Kc7 3. a5 bxa5 4. Kxc5 a4 5. Kb4 a3 6. Kxa3
  - 12) 1. Kb4 (1. c4? Kb6 2. Kb4 bxc4 3. Kxc4 e3! 4. fxe3 Kc6=) 1. ... Kb6 2. c3 Kc6 3. c4 bxc4 4. Kxc4 Kd6 5. Kd4 e3 6. fxe3! (Based on *Herberg 1956*)

### 33. Pawn endgame - Key squares: C

- 1) 1. Kf4 (1. Ke4 Kg4 2. Ke3 Kf5 3. Kd2 Ke4 4. Kc3 Kd5) 1. ... c3 (1. ... Kh4 2. Ke3 Kg4 3. Kd2 Kf4 4. Kc3) 2. Ke3 c4 3. Ke2 Kg4 4. Kd1 (1955)
- 2) 1. Kg2 (or the immediate 1. b6 cxb6 2. Kg2 Kg6 3. Kf2 Kf6) 1. ... Kg6 2. Kf2 Kf6 3. Ke2 Ke6 4. Kd2 Kd6 5. b6 cxb6 6. Kc2 Kc6 7. Kb2 (*Guy 1941*)
- 3) 1. Kf5 Kg7 2. e7! (2. Ke4? Kf8 3. Kd4 Ke7 4. Kd5 f5) 2. ... Kf7 3. e8Q+ Kxe8 4. Ke6 (4. Kxf6? Kd7 5. Kf5 Kc6 6. Ke4 Kc5 7. Kd3 Kd5)
- 4) 1. Kb2 Kc4 2. Ka3 b2 3. Ka2
- 5) 1. Kh8! (*Moravec 1952*)
- 6) 1. Kc2 Kd6 2. f6 gxf6 3. Kd2
- 7) 1. Rxb6 Rxf3+ 2. Kg2 axb6 3. Kxf3
- 8) 1. Ke6 Ke8 2. d3 Kf8 3. d4 Ke8 4. d5 Kf8 5. d6 exd6 6. Kxf6
- 9) 1. Kf2 b4 2. Ke2! (2. Rxe4+ Kxe4 3. Ke2 b3 4. Kd2 Kd4 5. Kd1 Kd3 6. Kc1 Kc3 7. Kb1 b2) 2. ... b3 3. Kd1! (3. Rxe4+ Kxe4 4. Kd2 Kd4 5. Kd1 Kd3)
- 10) 1. Kg3! (1. Kg4? Kc2! 2. Kf4 (2. Kf3 Kd3) 2. ... Kd3 3. Ke5 Kc4) 1. ... Kc2 2. Kf2! Kd3 (2. ... Kd2 3. Kf1) 3. Ke1 (*Grigoriev 1931*)
- 11) 1. g6 (1. Kg2 Kg4) 1. ... fxg6 2. f5 gxf5 3. Kg1 Kg5 4. Kf1 Kg4 5. Kg2 Kf4 6. Kf2 (*Mattisson 1918*)
- 12) 1. Kf2! c5 (1. ... Kd2 2. c5 Kd3 3. Ke1 Kd4 4. Kd2 Kxc5 5. Kc3) 2. Ke3 Kc2 3. Ke2 Kc3 4. Kd1 Kxc4 5. Kc2 (*Mandler 1949*)

### 34. Pawn endgame - Race: A

- 1) 1. Kf7 (1. e4? Kg8=) 1. ... g5 2. e4 g4 3. e5 g3 4. e6 g2 5. e7 g1Q 6. e8Q+ Kh7 7. Qe4+ Kh6 8. Qh4# (*Pogosjants 1976*)
- 2) 1. e6 (1. b6? c3 2. b7 (2. e6 c2=) 2. ... c2 3. b8Q c1Q 4. Qg8+ Kf2 5. Qg2+ (5. Qxf7+ Ke3=) 5. ... Ke1 6. Qg1+

- Kd2 7. Qxc1+ Kxc1 8. Kg4 Kd2 9. Kf5 Ke3 10. Kf6 Ke4=) 1. ... fxe6 (1. ... c3 2. exf7 c2 3. f8Q c1Q 4. Qg7+ Kf2 5. Qg2+ (and exchanging queens after 5. ... Ke1 6. Qg1+ or winning the queen after 5. ... Ke3 6. Qg5+) 5. ... Ke1 (5. ... Ke3 6. Qg5+) 6. Qg1+ Kd2 7. Qxc1+ Kxc1 8. b6) 2. b6 c3 3. b7 c2 4. b8Q c1Q 5. Qh2+ Kf1 6. Qh1+ (*Kok 1992*)
- 3) 1. h6 (1. d6 a3 2. h6 a2 3. d7 a1Q=) 1. ... gxh6 2. d6 a3 3. d7 a2 4. d8Q a1Q 5. Qf6+ (*Kok 1992*)
- 4) Drawing
- 5) 1. f6 b3 2. Kd1! (2. Kd2? e4 3. f7 e3+=) 2. ... e4 3. f7 e3 4. f8Q (*Zinar 1986*)
- 6) 1. d7 (1. Kc8? f3 2. d7 f2 3. d8Q f1Q=; 1. Kc7? g3 2. d7 g2 3. d8Q g1Q 4. Qb8+ Ka6=) 1. ... g3 (1. ... f3 2. Kc7 f2 3. d8Q f1Q 4. Qb8+ Ka6 5. Qb6#) 2. Kc8 g2 3. d8Q g1Q 4. Qa5# (*Schaffler 1979*)
- 7) 1. h7! (1. Kg7? g3!) 1. ... g3 (1. ... c3 2. Kg7! c2 3. h8Q c1Q 4. Qh6+) 2. Kg8! g2 3. h8Q g1Q 4. Qg7+ (*Richter 1957*)
- 8) 1. g7 g2 2. g8R+ (2. g8Q+? is wrong: Kh3 3. Kf3 g1Q 4. Qxg1 stalemate.) 2. ... Kh3 3. Kf3 (*Frink 1926*)
- 9) 1. Ke4! (1. h6 d3 2. h7 d2 3. Ke2 Kc2 4. h8Q d1Q+=) 1. ... Kc4 2. h6 d3 3. Ke3 Kc3 4. h7 d2 5. h8Q+ (*Grigoriev*)
- 10) 1. h4 (1. Kd5? Kf3=) 1. ... b5 2. Kd5 Kd3 3. h5 b4 4. h6 b3 5. h7 b2 6. h8Q b1Q 7. Qh7+ (*Brenev 1931*)
- 11) 1. Kg7 (1. Kg8? Kf6 2. Kh7 Kg5; 1. Kh7? Kf4 (1. ... Kf6? 2. Kh6) 2. Kg6 Kxg4) 1. ... Kf4 2. Kf7 e5 3. Kf6 e4 (3. ... Kxg4 4. Kxe5=) 4. g5 (*Marysko 1968*)
- 12) 1. Kg4! (1. Kf2 Kh1 2. a6 h2 3. a7 stalemate.) 1. ... Kg2 2. a6 h2 3. a7 h1Q 4. a8Q+ (*Salvio*)

### 35. Pawn endgame - Race: B

- 1) 1. a4 h4 2. a5 h3 3. a6 h2 4. a7 h1 Q 5. a8Q+ Kg1 6. Qa1+ Kh2 7. Qe5+ Kg2 8. Qg5+ Kh3 9. Qh5+ Kg2 10. Qg4+ Kh2 11. Kf2 (*Polerio*)
- 2) 1. ... Kg7 (1. ... Kg6? 2. d5 h5 3. d6 h4 4. Ke6 h3 5. d7 h2 6. d8Q h1Q 7. Qg8+ Kh5 8. Qh7+ and wins; 1. ... Kg5? 2. Ke6 h5 3. d5 h4 4. d6 h3 5. d7 h2 6. d8Q+ and wins) 2. d5 h5 3. d6 h4 4. Ke7 h3 5. d7 h2 6. d8Q h1Q
- 3) 1. Kd4 Kf5 2. Kd5 Kf6 3. Kd6 Kf7 4. c5 (4. Kd7? a5 5. c5 a4 6. c6 a3 7. c7 a2 8. c8Q a1Q= 4. ... Ke8 5. Kc7 a5 6. c6 a4 7. Kb7 a3 8. c7 a2 (*Moravec 1953*)
- 4) 1. Kg1! (1. Kg2? h5 2. a5 h4 3. a6 h3+ 4. Kxh3 d3=) 1. ... h5 2. a5 h4 3. a6 h3 4. a7 h2+ 5. Kxh2 d3 6. a8Q (*Zinar 1987*)
- 5) 1. ... Kg3 2. a5 Kf4 3. a6 Ke3 (*Adamson 1921*)
- 6) 1. Ke4 b3 2. Kd3 Ka4 3. g6 Ka3 4. g7 b2 5. Kc2 Ka2 6. g8Q+ (*Constantin 1938*)
- 7) 1. Kg6 (1. g6? b3 2. g7+ Kg8 3. Kg6 b2 4. h6 b1Q+ and wins) 1. ... b3 (1. ... Kg8 2. h6 b3 3. h7+ Kh8 4. Kh6 - 4. Kf7? b2 5. g6 b1Q 6. g7+ Kxh7 7. g8Q+ Kh6 - 4. ... b2 5. g6 b1Q 6. g7#) 2. Kf7 b2 3. g6 b1Q 4. g7+ Kh7 5. g8Q+ Kh6 6. Qg6+ Qxg6+ 7. hxg6 (*Dvizov 1987*)
- 8) 1. a4! (1. Kd5? Kf4 2. Ke6 Ke4 3. a4 Kd4; 1. Kd4? Kf4 2. a4 e5+ 3. Kc3 e4 4. a5 e3 5. a6 Kg3!) 1. ... e5 2. a5 e4 3. Kd4! Kf4 4. a6 e3 5. Kd3! Kf3 6. a7 e2 7. a8Q+ (*Benko 1973*)
- 9) 1. Ke4 (1. Ke5 Kg4 2. a4 f5 3. a5 f4) 1. ... Kg4 2. a4 f5+ 3. Kd3! Kg3 4. a5 f4 5. a6 f3 6. a7 f2 7. Ke2 Kg2 8. a8Q+ (*Vinje 1938*)
- 10) 1. ... Kb2 2. a5 Kc3 3. Kg3 Kd4 4. a6

Ke3 5. a7 f2 6. a8Q f1Q (*Reti 1922*)

- 11) 1. ... Kg4 2. a4 Kf3 3. a5 Kg2 4. a6 f3 5. a7 f2+ 6. Kd2 f1Q 7. a8Q+
- 12) 1. b5 Ke5 (1. ... h4 2. b6 h3 3. b7 h2 4. b8Q+) 2. b6! (2. Kc5 Ke6 3. Kc6 h4 4. b6 h3 5. b7 h2 6. b8Q h1Q+) 2. ... Kd6 3. Kb5 h4 (3. ... Kd7 4. Ka6 Kc8 5. Ka7) 4. Ka6 h3 5. b7 Kc7 6. Ka7 (*Moravec 1952*)

### 36. Pawn endgame – Breakthrough: A

- 1) 1. g5 hxg5 2. f6! (2. h5? Kd6 3. f6 Ke6 4. fxg7 Kf7 0-1) 2. ... gxf6 3. h5 g4 4. Kd3 (*Novak-Kalis CSR 1992*)
- 2) 1. c5 bxc5 (1. ... Kd5 2. c6) 2. a5 Kd5 3. a6
- 3) 1. ... e3 2. fxe3 f3 3. gxf3 h4
- 4) 1. g4 (1. f5? gxf5 2. Kf4 Kc4 3. Kxf5 b5 4. g4 b4 (4. ... hxg4 5. Kxg4=) 1. ... hxg4+ 2. Kg3 (2. Kxg4? Kc4 3. f5 gxf5+ 4. Kxf5=)
- 5) 1. Kd2! a3 2. Kc1! Kf3 3. d5 cxd5 4. c6 d4 5. c7 (*Herbstmann 1929*)
- 6) 1. e5 c4+ 2. Kc2 c5 3. f5
- 7) 1. ... c4 (1. ... f5 2. gxf5 g4 3. Kd2) 2. Kb1 f5 3. gxf5 g4 4. f6
- 8) 1. e4 dxe4 (1. ... Kb6 2. f5) 2. d5 exd5 (2. ... Kb6 3. dxe6 Kc7 4. f5) 3. Kc3 (3. f5? d4) 3. ... Kb6 4. f5 (*Pigarev 1955*)
- 9) 1. a4! (1. d5? cxd5 2. a4 d4 3. Kg4 d3 4. Kf3 bxa4 5. b5 a3 6. b6 d2 7. Ke2 d1Q+ 8. Kxd1 a2 ; 1. Kg4? d5) 1. ... bxa4 2. d5 cxd5 3. b5 (*Lewitt 1922*)
- 10) 1. c6! Kb6 2. d6! exd6 3. f5 Kc7 4. f6 Kd8 5. c7+ Kxc7 6. f7 (*Fontana 1943*)
- 11) 1. ... g4 (1. ... a4 2. g4 h4 3. Kb2 Kc6 4. Ka3 Kb5 5. Kb2 Kb4) 2. Kxb3 h4 3. gxh4 g3 4. fxg3 a4+
- 12) 1. ... f4 2. gxf4+ Kd6 (2. ... Kd5? 3. a5 Kc5) 3. a5 g3 4. a6 Kc7

### 37. Strategy - Knight against bishop: A

- 1) 1. Na4!

- White must block the black doubled pawns. In that way the bishop remains bad.
- 1. ... Qe7 2. Qd4 Rfb8 3. Nc5 a5 4. a3 Kf7 5. Ra1 Rb5 6. b4 Rab8 7. c3** with a big advantage. (*Em. Lasker-Cohn, St.Petersburg 1909*)
- 2) **1. Qxd4**  
When there is a bad bishop it is good strategy to exchange the remaining pieces.
- 1. ... Qxd4**  
After 1. ... cxd4 2. Be5 Kg7 3. Bxf6+ Kxf6 4. b4 Ba6 5. Nf3 d3 6. cxd3 Bxd3 7. Nd4 Bb5 8. Nxb5 cxb5 9. g4 White wins the pawn ending.
- 2. Be5+ Kh7 3. Bxd4 cxd4 4. b4 Ba6 5. Nxf5 d3 6. cxd3 Bxd3 7. Nd4** (*Sax-Szell, Hungary 1984*)
- 3) **1. ... c4**  
Creates a bad white bishop. In a closed position the knight does a better job.
- 2. Nh4 g5 3. hxg6ep fxxg6 4. f4 h5 5. Rf3 Kd7** and Black won. (*Evans-Lein, South Bend 1981*)
- 4) **1. Nxe6**  
Exchange pieces!
- 1. ... Bxe3 2. Nxd8 Bxd2 3. Nxd2 Raxd8 4. exf6 Rxf6 5. Nb3** and White reaches the ideal position, the knight can block the pawns. (*Karaklajic-Hall, Bognor Regis 1968*)
- 5) **1. Bxf5**  
Exchanging so as to be left with a knight against a bishop.
- 1. ... Qxf5 2. Nxc6 Bxc6** (*Wolff,P-Wen, Canada 1991*)
- 6) **1. ... Bxc3**  
A surprising exchange. Five moves later the power of it can be seen. After 1. ... Ne5 2. Nb5 White is better and also after 1. ... Nb6 there follows 2. Nb5.
- 2. bxc3 Qf6 3. Bd2 Ne5 4. Rfb1 Rfb8 5. Rxb3 Rxb3** with a huge advantage. (*Quinteros-Panno, Buenos Aires 1968*)
- 7) **1. ... Bg4**  
Exchanging the bishop first and after 2. Qf4 Bxf3 3. Qxf3 Qe7 luring the pawn on to the colour of the bishop.
- 4. e5 Nd5** with a better game.
- 8) **1. ... Qxd8**  
After the queens are exchanged the bad position of the black king is not important anymore.
- 2. Qxd8 Nd6 3. Qxxg8+ Kxxg8**
- 9) **1. fxe5!**  
This way Black is left with doubled pawns. 1. f5 Ke7 2. fxe6 h5 3. Ne2 h4! is not good.
- 1. ... fxe5 2. Rf6 Ke7 3. Raf1 Raf8 4. Rxf8 Rxf8 5. Rxf8 Kxf8 6. g3** and White won. (*Larsen-Zuidema, Havana 1964*)
- 10) **1. ... Ncxe4**  
This move exchanges pieces and creates a strong point on e5.
- 2. fxe4 Ng4 3. Bxxg7+ (3. Bg1!?) 3. ... Kxxg7 4. Qd4+ f6** with advantage. (*Gaprindashvili-Martinovic, Smederevska Palanka 1990*)
- 11) **1. Bc3**  
The black knight is guarding d5 and must therefore be exchanged.
- 1. ... Bd8 2. Ba5 Qc6 3. Bxb6 Bxb6 4. Rfd1 Bc7** and White is better. (*Andersson-Browne, Wijk a. Zee 1983*)
- 12) White exchanges all the pieces so as to be left with a good knight against a bad bishop.
- 1. Ng6**  
Also 1. Nc6 is good; Black has the extra possibility 1. ... Bd6 2. Bxf6 gxf6)
- 1. ... fxxg6**  
After 1. ... hxg5 2. Nxe7+ Kh7 3. Re5 a

pawn is lost.

**2. Rxe6 Kf7 3. Rael Rfe8 4. Bxf6**

**Bxf6 5. Rxe8 Rxe8 6. Rxe8 Kxe8 7.**

**Nd1** with a winning endgame; a bishop doesn't like doubled pawns. (*Simagin-Keres, Moscow 1963*)

**38. Bishop/knight endings -Technique: A**

- 1) 1. Be5+ Kd7 2. f7 Ke7 3. Ke3 (*Troitzky 1924*)
- 2) Drawing
- 3) Drawing
- 4) 1. b5 axb5 2. Bxb7
- 5) 1. ... g3 2. Nf3+ Kg4 3. Nxd4 h2+ 4. Kg2 gxf2
- 6) 1. Bf3 (1. Bg6? Nb7 2. Bxh5 Nd6 3. c5 Nf5+ =) 1. ... Na4 2. Bxh5 (*Vaganian - Mikhailchishin. Lvov 1984*)
- 7) 1. ... Bd1 2. Kd3 Bxb3 (*Karpov-Anand, Linares 1991*)
- 8) 1. Bg5! a3 2. d7 (2. Kc2? a2 3. Kb2 Ne1 4. d7 Nc2 5. Kxa2 Nb4+ 6. Kb3 Nc6) 2. ... a2 3. Bf6! (*De Feijter, 1932*)
- 9) 1. c7 Ke8 2. Bxg5 fxg5 3. f6
- 10) 1. Ke4 Kh8 2. Kf4 Kh7 3. Kg4 Kh8 4. g6
- 11) 1. Bg4 Nf5 2. Kf8 Ng7 3. Ke7
- 12) 1. g7! Ne6+ 2. Ke5 Nxg7 3. Kf6 Ne8+ (3. ... Nh5+ 4. Kg6) 4. Kf7 a5! 5. Kxe8 a4 6. Bd6 (*Selesniev 1921*)

**39. Knight/bishop endings - Passed pawn: A**

- 1) 1. e7 Kf7 (1. ... Bxh4 2. Nf6+) 2. Ng7 Kxe7 3. Nf5+ (*Chvojikova 1946*)
- 2) 1. Ka2 Bc3 2. c7 Kd7 3. Nd6 Kxc7 4. Nb5+ (*Pogosjants 1987*)
- 3) 1. Ng5 Bd5 2. Ne6 c5 3. Nc7+ Kd7 4. Nxd5 Kc6 (4. ... Kc8 5. Nb6+ Kb8 6. Nd7+ Ka7 7. Nxc5) 5. Kg3 c4 6. Kf3 (*Matisson 1914*)
- 4) 1. Kf1 f4 2. Ne5 Kf6 3. Ng4+ Kxg6 4. Nxb2 (*Bron 1978*)

- 5) 1. Kf3 Bg5 2. Ne6+ Kb5 3. Nxf5 fxg5 4. Kg3 (*Troitzky 1896*)
- 6) 1. a6 Bc5 2. Nb4! Bxb4+ 3. c3+ Bxc3+ 4. Kc2 (*Möberg 1928*)
- 7) 1. Kh1! and the bishop is lost. (*Réti 1922*)
- 8) 1. Kd2! (1. Kd1? Bb3+ 2. Kd2 Ba4) 1. ... e3+ 2. Kc1 Bf7 3. b7 Kc7 4. Nc6 (*Troitzky 1914*)
- 9) 1. Ne7 Bh5 2. Nc6! Bf3 3. Nd4+ (*Kopac 1943*)
- 10) 1. Ne4 Ba6 2. Kd2! (*Konstantinov 1959*)
- 11) 1. Ng4 c5 2. Nf6 Bb5 3. Kb6 Kc4 (3. ... c4 4. Kxb5 c3 5. Nd5 c2 6. Nb4+) 4. a3 (*F. Fischer 1950*)
- 12) 1. Kc5 Bb5 2. Nd5 Be8 (2. ... Bd7 3. Nb6+) 3. Nf6 Bb5 4. Kb6 (*Kopac 1966*)

**40. Knight/bishop endings - Technique: A**

- 1) 1. Nf4+ Ke4 2. Nd3 Kxd3 3. h7 (*Pavitt 1862*)
- 2) 1. Nd5 Bg2 2. e4
- 3) 1. Ne4 (*Kasparjan*)
- 4) 1. Nxf4 Bxf4 2. g4
- 5) 1. Ne3 Be5 2. Nf5 gxf5 3. h7 (*Fedotov 1956*)
- 6) 1. Nf6 Bg6! 2. Nd7 Be8 (2. ... Bxd3 3. c3+ Kc4 (3. ... Ke4 4. Nc5+) 4. Ne5+) 3. c3# (*Pogosjants 1964*)
- 7) 1. c5 Bb1 2. Ne6! fxe6 3. c6 (*Berger 1890*)
- 8) 1. Kd7 Ba5! 2. Nb3 Bc3 3. Ke6 (*Kosek 1911*)
- 9) 1. f6 (1. Ke4? Bh8) 1. ... exf6 2. Ne5! (2. Ke4? f5+ 3. Kxf5 Bh8) 2. ... Bxe5 (2. ... fxe5 3. Ke4 ; 2. ... f5 3. Nc4+) 3. Ke4 Bc3 4. Kf5 (*Rinck 1912*)
- 10) 1. ... a5
- 11) 1. Ne7! Bc2 (1. ... Bd1 2. Nc6! Bf3 3. Ne5+) 2. Nd5! Be4 3. Nf6+ (*Kubbel 1910*)

- 12) 1. a6 Ba4 (1. ... Bd1 2. Nc2!) 2. Nc2!  
Kxc2 3. Kd6  
(Clausen Hildebrand 1964)

#### 41. Bishop/knight endings - Technique: B

- 1) 1. f6! gxf6 (1. ... g6 2. c7 Ke8 3. Bc6+ Kf8 4. Bb7) 2. Bf5 Nd6 3. c7  
(Hayes 1914)
- 2) 1. Kc3 Nd4 2. Kc4! a6 3. Bg6!  
(Pogosjants 1976)
- 3) 1. f6 gxf6 (1. ... Ke6 2. Bh5 g6 3. Be2)  
2. g6 Ke6 3. Bh5 (Pfau 1935)
- 4) 1. Bb3+ Ka4 2. Bd1
- 5) 1. b7 (1. g5 Nxb6 2. g6 Nc8) 1. ...  
Kxb7 2. g5 Nb6 3. g6 Nc8 (3. ... Nd7  
4. Be5! Nxe5 5. g7) 4. Bd6! Nxd6 5.  
g7 (Prokes 1943)
- 6) 1. f7 Kg7 2. Be7 Kxf7 3. Bb4  
(Dawson 1925)
- 7) 1. e7 (1. c7? Kxc7 2. Bb6+ Kd6 3.  
Bxd8 Kxe6) 1. ... Kxe7 2. Bf6+ Kxf6  
3. c7 Nb7 (3. ... Nf7 4. Kc5) 4. Kc6!  
(Prokes 1941)
- 8) 1. Bh7 h3 2. Be4+ Kg1 3. f5 h2 4.  
Bh1! Kxh1 5. Kf1 (Troitzky 1917)
- 9) 1. Kd2 Nc6 2. Kc3 Kf6 3. Bf3
- 10) 1. d5! exd5 2. Kd3 Kb1 3. Bxc3 bxc3  
4. Kxc3 Kc1 5. Kd4 Kxc2 6. Kxd5  
(Van Wissen-Sitnik, Olomouc 1999)
- 11) 1. h6 f3+ 2. Kf1 f2 3. Bc2 (3. h7 Nb3)  
3. ... Ne6 4. h7 (Pogosjants 1977)
- 12) 1. Kc4 Nb6+ 2. Kb5 Na8 3. c8Q+  
Kxc8 4. Kc6 g4 5. Bg3 (Bagdarsarjan  
1937)

#### 42. Knight/bishop endings -Defending: A

- 1) 1. f6! gxf6+ 2. Kh6! d2 3. Nd6 Bc4 4.  
Nf7+ Bxf7 stalemate. (Doesburg 1941)
- 2) 1. dxc5 b5 (1. ... bxc5 2. Ng3 Bxg3  
stalemate.) 2. Nf2 Bxf2 3. c6 Kb6 4. c7  
Kxc7 stalemate. (Havel 1948)
- 3) 1. Nh3 Bf5+ 2. Kh4 Bxh3 3. g4 Kh2 4.  
Kg5 (Van Altena 1940)

- 4) 1. Nf3 h3 2. Ng5 h2 3. Nf3 Kg2 4.  
Nhx2 Kxh2 (Dolci 1914)
- 5) 1. Nf5 c2 (1. ... Kd3 2. Ne7 c2 3. Nc6  
Bg3 4. Nb4+) 2. b8Q Bxb8 3. Nd4 c1Q  
4. Nb3+ (Prokes 1941)
- 6) 1. Nh5 g2 2. Nf4 g1N 3. Ne2+! (3.  
Nxe6 Bg4) 3. ... Kd2! 4. Nxg1 Ke3 5.  
Nh3! Bxh3 stalemate. (Selesniev 1921)
- 7) 1. Nc4! bxc4 2. Kh7 Bc2 3. Kh8 Bxg6  
stalemate. (Mazel 1928)
- 8) 1. Nb6+ Kc6 2. Nxa4! bxa4 3. g6 Kb5  
4. g7! Be5+ 5. Ka3 Bxg7 stalemate.  
(Selesniev 1940)
- 9) 1. Ke3 Kxh2 2. Kf2 Kxh1 3. Kg3 Kg1  
stalemate. (Kubbel 1926)
- 10) 1. Kd4 d2 2. Nxc3 Kb3 3. Nd1 Bxd1 4.  
Kd3 (Butler 1956)
- 11) 1. e4 Bxe4 2. Nd7 f2 3. Nf6+ Kf5 4.  
Ng4 Kxg4 stalemate. (Troitzky 1908)
- 12) 1. e6 fxe6 (1. ... Bd6 2. exf7 c5 3. Ne6  
c4 4. f8Q Bxf8 5. Nxf8 c3 6. Ne6 c2 7.  
Nf4+) 2. Nxe6 c6 3. Nd4 c5 4. Nb3 c4  
5. Nd2 c3 6. Ne4 c2 7. Nf2+ Bxf2  
stalemate

#### 43. Attacking the king – Weakness (g-pawn): A

- 1) 1. Rf6 (1. d5 Nc5) 1. ... Rg8 2. Rxf7
- 2) 1. Rg4+ fxg4 2. Qg5+ Kh8 3. Qh6 f5  
4. Qxf8#
- 3) 4. Nd4 exd4 5. Bxd4
- 4) 1. Bf6 Bxf6 2. e5 Nxd3 3. exf6
- 5) Drawing
- 6) 1. Bxf5 exf5 2. Rxe8+ Qxe8 3. Qf6+  
Kg8 4. Nxf5
- 7) 1. Bxf6 Rd5 2. Qd2 Rxc5 3. Qh6
- 8) 1. e5 dxe5 2. Nce4 fxe4 3. Rxf6
- 9) 1. Nfg5 fxg5 2. Nf6 Bxf6 3. Be4
- 10) 1. Ne4 Nxe4 2. f6 Nxg5 3. Qxg5 Ne6  
4. Qf5
- 11) 1. ... Ng5 (1. ... Rxh4+ 2. Nxh4 Qxh4+  
3. Qh3) 2. Nxg5 f3
- 12) 1. Rc5 Qxc5 2. Rxh7+ Nxh7 3. Qg7#

**44. Attacking the king - Access: A**

- 1) 1. Rxh7 Kxh7 2. Qh3+ Kg8 3. Ng5
- 2) 1. ... Bxg2 2. Rxg2 Rxc2+ 3. Kxc2 Re2+
- 3) 1. Rxb7+ Kxb7 2. Rxa7+ Nxa7 3. Qb6+ Ka8 4. Nc7#
- 4) 1. Qxh7+ Kxh7 2. g6+ Kh8 3. Rg5 fxg5 4. hxg5#
- 5) 1. ... Ne3+ 2. fxe3 Rxh2+ 3. Kxh2 Qxc3+ 4. Kh1 Qh2#
- 6) 1. Rg5 g6 2. Qh5
- 7) 1. Qh6 gxf5 2. Rg4+ fxg4 3. Bxh7+ Kh8 4. Bg6+ Kg8 5. Qh7+ Kf8 6. Qxf7#
- 8) 1. Qh5 gxf5 2. Rg3+ Bg7 3. Rxg7+ Kf8 4. Rxh7
- 9) 1. ... Rxg2+ 2. Kxc2 Qe2+ 3. Kh1 Rd2
- 10) 1. ... Nf4+ 2. gxf4 Rh6 3. h4 Qg6+ 4. Kh3 Be7
- 11) 1. Qxh7+ Kxh7 2. exf6
- 12) 1. Nf6+ Kh8 2. Qg5

**45. Attacking the king - Eliminating the defender: A**

- 1) 1. Nxc6 Nxc6 2. Nd5
- 2) 1. Nd6 cxd6 2. Rxe6
- 3) 1. Bf6 gxf6 2. Qh5+ Kg7 3. Qg4+ Kh8 4. Rd3
- 4) 1. Rh8+ Kxh8 2. Bxf7
- 5) 1. Qg5
- 6) 1. Rxe6 Nxe6 2. Nf5+ Kg8 3. Nxc6+ Kg7 4. Nf5+ Kg8 5. Nxe7+
- 7) 1. Nd5 (1. b4 Qc4) 1. ... exd5 2. Qxh5 dxe4 3. Qh6
- 8) 1. ... Bf4 2. Qd3 Qh2+ 3. Kf1 Bh3
- 9) 1. ... Bc3 2. bxc3 bxc3
- 10) 1. Rd4 Qb6 2. Qh6 Qxd4+ 3. Kh1
- 11) 1. Re2 Qf1 2. Rf3
- 12) 1. e5 dxc3 2. Qf6

**46. Attacking the king – Mix: A**

- 1) 1. Be5 Nxd3+ 2. Rxd3 f6 3. Ng5
- 2) 1. Nf6+ Kh8 2. Ne8

- 3) 1. Qg5 Bxe2 2. Rh8+ Kxh8 3. Qh6+ Kg8
- 4) 1. Rh5 gxf5 2. Bd3+ Kg8 3. Qxh6
- 5) 1. Qh7+ Kf8 2. Re6
- 6) 1. ... Rxh4 2. Qxh4 Rxc2+ 3. Kh1 Qxf3
- 7) 1. Qe8+ Kh7 2. Bh5
- 8) 1. Nxd7 Bxd7 2. Bxf6 g6 3. Qg5
- 9) 1. Nf6+ Kh8 2. Qh5 h6 3. Qg6
- 10) 1. Rxh7 Kxh7 2. Bxc6+ fxg6 3. Qh6+
- 11) 1. Rxh5 gxf5 2. Bf6
- 12) 1. Bh7+ Kh8 2. Bxc7+ Kxc7 3. Qg6+ Kh8 4. Bg8

**47. Attacking the king – Opposite coloured bishops: A**

- 1) 1. ... Bg4+! 2. Ke1 Qh1+. Less good is 1. ... Bd3+ 2. Ke1 Qh1+ 3. Kd2 Qe4 4. Re1
- 2) 1. Ng6+ hxg6 2. hxg6 Qg7 (2. ... Rb7 3. Qxb7) 3. Qxb8+
- 3) 1. ... Bf3 (1. ... Rh6 2. h3 Bxh3 3. f4) 2. Rfd1 Qg4 3. Kf1 Qxc2+ 4. Ke1 Qg1+ 5. Kd2 Qxf2+ 6. Kc1
- 4) 1. Rxd4 exd4 2. Nf6+ gxf6 3. Re8+ Kg7 4. Bf8+ Kg8 5. Bh6#
- 5) 1. ... Qg6 2. Kb1 Na3+ (2. ... Qxc2+ 3. Ka1) 3. Ka1 Nxc2+ 4. Kb1 Na3+ 5. Ka1 Qb1+ 6. Rxb1 Nc2#
- 6) 1. Nc6 Qg5 (1. ... bxc6 2. Qxc7+ Kxc7 3. Be5+ Kh6 4. Bg7#) 2. h4
- 7) 1. ... Bc2 2. Rf1 Bd3
- 8) 2. Rxc5 Qxc5 3. Rd7
- 9) Drawing
- 10) 1. Bh6 Qxa1+ 2. Kh2
- 11) 1. Rxg4 Nxg4 2. Qf3
- 12) 1. Rxe8+ Rxe8 2. Re7

**48. Attacking the king – Opposite coloured bishops: B**

- 1) 1. Rhe3
- 2) 1. ... Nf2+ 2. Kh2 (2. Rxf2 Qxf2 3. Qf1) 2. ... Nxd3 3. cxd3 Re2 4. Rg1

Qf2

- 3) 1. Rxf7+ Kxf7 2. Qg6+ Kf8 3. Rf1+
- 4) 1. ... Rxh2+ 2. Kxh2 Qh4+ (2. ... Rg8 3. Qb4!) 3. Kg1 Rg8+
- 5) 1. Rf6
- 6) 1. ... Nxd4 2. exd4 Qf4
- 7) 1. ... Bxf2 2. Qe2 Rd2
- 8) 1. ... Rd4 2. exd4 Qa4
- 9) 1. Rxf5
- 10) 1. Rg8+ Kh7 2. Qe3 (2. Rxc6 Rd6!) 2. ... Re6 3. Rh8+ Kxh8 4. Qxh6+ Kg8 5. Qxc6+
- 11) 1. Nf5 exf5 2. Rxc7+ Kh8 3. e6
- 12) 1. Rxf7 Rxf7 2. Rxf6 Qxf6 3. Qc8+

#### 49. Endgame - Mate: A

- 1) 1. Rg4+ Kh5 2. g3 Nf3 3. Rh4+ Nxe4 4. g4#
- 2) 1. Nf7+ Kh7 2. Ng5+ Kh6 3. Rh7+ Bxe7 4. Nf7#
- 3) 1. Ng3 a3 2. Kf5 a2 3. Kg6 a1Q 4. Nf5#
- 4) 1. Rg7+ Kf6 2. Rxh7 Kg6 3. Rbf7
- 5) 1. Ra7 Bd7 (1. ... Bf7 2. Rxf7 Nc1 3. Nd4#) 2. Rc7+ Rxc7 3. Nd8#
- 6) 1. ... Bf6+ 2. exf6 Kg6 3. g4 Qe1+
- 7) 1. Rd5+ Nxd5 2. Be2+ Ka5 3. Ra7+ Ra6 4. Rxa6#
- 8) 1. Bf2 Ne4 (1. ... Nf3 2. gxf3 gxf3 3. Be1 f2 4. b5# ; 1. ... a3 2. Be1 a2 3. Bxd2 a1Q 4. b5#) 2. b5+ Ka5 3. Be1+ Nd2 4. Bxd2#
- 9) 1. Nc5+ Kc8 2. Nb6+ Kd8 3. Kf8! Ra1 (3. ... Nd5 4. Ne6#) 4. Nb7#
- 10) 1. Rf1+ Kg8 2. h6 gxh6 (2. ... g6 3. Ke7) 3. Ke7 b2 4. Rg1#
- 11) 1. Qc4+ Qxc4 2. Bg2+ f3 3. Bxf3#
- 12) 1. Kf3 Ng6 2. Rf6+! Rxf6 3. Ng7#

#### 50. Endgame – Material advantage: A

- 1) 1. Be5 Kd3 2. Kd7 Ke4 3. Ke6 a1Q 4. Bxa1 Kf4 5. Be5+ (Prokes 1947)
- 2) 1. Nb6 Kd3 2. Na4 Kc4 3. Kg2 Kb5 4.

Kf3 Kxa4 5. Ke4 Kb5 6. Kd5

- 3) 1. Kf7 h5 2. Ke6 h4 3. Kd5 h3 4. Kc4 h2 5. Bb4 h1Q 6. b3# (Fritz 1939)
- 4) 1. Nf5! Kd3 2. Nd6 (2. Nh6) 2. ... Kd4 3. Nf7 (Rewitz 1992)
- 5) 1. Kd5 Kd2 2. Bxc4! Kc2 3. b3! (3. b4? Kc3 4. Kc5 bxc4 5. b5 Kd3 6. b6 c3 7. b7 c2 8. b8Q c1Q+) (Kaila 1968)
- 6) 1. Ng1 g5 2. Kf5 g4 3. Kf4 gxh3 4. Nf3# (Makletsov 1981)
- 7) 1. d4 a4 2. Kg7 (2. Bb1? a3 3. d5 Kc1 4. Ba2 Kb2 5. Bc4 Kc3 6. Ba2 Kb2) 2. ... a3 3. Bg8 Kc2 4. Kf6 Kc3 5. Ke5 (Samilio 1976)
- 8) 1. Nd4! (1. Nc3? d2 2. Kb3 Kc7 3. Kb4 Kb7 4. Kb5 Kc7) 1. ... Kb7 2. Kc3! (2. Kb3? d2 3. Kc2 Ka6 4. Nb3 Kb5 5. Kxd2 Kb4 6. Kc2 Kc4) 2. ... Ka6 (2. ... d2 3. Kxd2 Ka6 4. Nb3 Kb5 5. Kc3) 3. Kb4 d2 4. Nb3! d1Q 5. Nc5# (Godes 1955)
- 9) 1. Bd1 Kf4 2. Kh5 b5 3. Kh4 b4 4. Kh3 b3 5. Kg2 (Moravec 1960)
- 10) 1. b4 (1. Na6? Kc3 2. b4 Kc4 3. Ke4 d5+! ; 1. Nxd7? Kc3 2. Nc5 Kb4 ; 1. Ke4? Kc3) 1. ... Kc3 2. b5! Kb4 3. b6 Kb5 4. Nxd7 Kc6 5. Ke4 Kxd7 6. Kd5 Kc8 7. Kc6 (Kopac 1943)
- 11) 1. Bf6+ (1. Kd7? Kh7 2. Bg5 a5 3. Ke6 a4 4. Kf5 a3 5. Kg4 a2 6. Bf6 Kxe6) 1. ... Kh7 (1. ... Kg8 2. Kd7 a5 3. Ke6 Kh7 4. Bg7 a4 5. Kf5 a3 6. Kg5) 2. Bg7 a5 3. Kd7 a4 4. Ke7 Kg6 5. Kf8 a3 6. Kg8 a2 7. h7 (Heuücker 1939)
- 12) 1. Ng6 g3 2. Nh4 e4 3. Ng2 e3 4. Nf4 g2 5. Nd5 g1Q 6. Nc7# (Voja 1950)

#### 51. Endgame – Transposing: A

- 1) 1. Rh8+ (1. a6 Be3) 1. ... Kg6 2. Rg8+ Kh5 3. Rxc6+ Kxc6 4. a6 g3 5. a7 g2 6. a8Q g1Q 7. Qg8+ (Van Zuylen van Nyevelt)
- 2) 1. Kxc4 (1. Qf4+ Kh5)

- 3) 1. Qd8+ Kh7 2. Qd3+ Kg8 3. Qb3+
- 4) 1. Qe5+ Kf2 2. Qg3+ Kf1 3. Qd3+ (*D'Hondt 1931*)
- 5) 1. Rf1! (1. Rd5+? f5 2. Rd4 f4+ 3. Rxf4 Nf5+ 4. Kf3 Nh6) 1. ... Nf5+ (1. ... f5 2. Rf4) 2. Rxf5+ Kxf5 3. Kh4 Ke4 4. h6
- 6) 1. ... Qf4+? 2. Qxf4+ Kxf4 3. Kh3! (*Tabidse 1955*)
- 7) 1. ... Qxb4? 2. axb4 axb3 3. Kb2 Kc4 4. Ka3 b2 5. Ka2!
- 8) 1. Rf6 c4 2. Rh6+
- 9) 1. ... Rc4+ 2. f4 (2. Kg3 Rc3) 2. ... Ra4 3. Rxa4 bxa4 4. Kf3 Kf5 5. Ke3 Kf6 6. Kd4 Kf5 7. Kc5 Kxf4 8. Kb5 Ke5 9. Kxa4 Kd6
- 10) 1. Rh1! Kxh1 (1. ... Kxh3 2. Kf2) 2. Kf2 (*Pogosjants 1976*)
- 11) Drawing
- 12) 1. Qb2+ Kd1 2. Qb1+ Ke2 3. Qb7

## 52. Endgame –Overcoming a passed pawn: A

- 1) 1. Nc3 c1Q 2. Nb5+ Ka8 3. Nc7+ Ka7 4. Ra6#
- 2) 1. Ba2 Rc1 2. Rg1
- 3) 1. ... Bxg3 (1. ... Ba7 2. Kf4 Kg7 3. g4 hxg4 4. Kxg4 Kh6 5. Kh3 Bb8 6. g4 Ba7) 2. a7 Bf2 3. Kf4 Bxa7
- 4) 1. Nd2+ Kd3 2. Ne4 Kxe4 3. b8Q h1Q 4. Qb7+ (*Ericsson 1965*)
- 5) 1. Nd1 Kd2 (1. ... Kxd1 2. h7 g2 3. h8Q g1Q 4. Qa1+) 2. Ne3 Kxe3 3. h7 g2 4. h8Q g1Q 5. Qd4+ (*Hasek 1929*)
- 6) 1. Nd1 (1. Nxc2? stalemate) 1. ... c1Q+ 2. Nc3+ Ka3 3. Ra5+ Kb2 4. Ra2#
- 7) 1. Nd3 b1Q (1. ... b1N 2. Bc5 Nc3 3. Nf2+ Kg1 4. Ne4+ Kh1 5. Ng3#) 2. Nf2+ Kg1 3. Ne4+ Kh1 4. Ng3# (*Pogosjants 1964*)
- 8) 1. Bb6 Kxb6 2. Kc4 f2 3. Nd5+ Kc6 4. Ne3 (*Prokes 1941*)
- 9) 1. Nc3 h2 2. Nxe4! Kxe4 3. a7 h1Q 4.

a8Q+ (*Jespersen 1909*)

- 10) 1. Re1 a1Q 2. Rg1+ Qxg1 3. Rg8+
- 11) 1. Ng6+ Kh7 (1. ... Kg8 2. Ne7+ Kf8 3. g6 h1Q 4. g7+ Ke8 5. g8Q+ Kd7 6. Qc8+ Kd6 7. Nf5+ Kd5 8. Qxb7+) 2. Ne7 h1Q 3. g6+ Kh6 4. Nf5+ Kh5 5. Ng3+ (*Kuzmuchev 1984*)
- 12) 1. Bc4 (1. e7 f1Q 2. e8Q Qc1+ 3. Kd7 Qd2+ 4. Kc7 Qxb4) 1. ... bxc4 2. e7 f1Q 3. e8N! (*Völlmer 1933*)

## 53. Endgame - Zugzwang: A

- 1) 1. Ka3 g4 2. Nf4#
- 2) 1. Kg2
- 3) 1. Nb6! Ka5 2. b3! (2. b4+? Ka6 3. b5+ Ka5) 2. ... Ra6 (2. ... Ka6 3. b4) 3. b4# (*Pogosjants 1980*)
- 4) 1. c7 Rd6+ 2. Ka7! Rd8 3. Kb7 (*Halberstadt 1936*)
- 5) 1. Kb4! (1. Kc3? Kf7 2. Kd3 (2. Kd4? Ke6) 2. ... Ke7) 1. ... Kf7 2. Kc5 Ke6 3. Kd4 (*Bähr 1936*)
- 6) 1. g7 Bxh7 2. h3 Kg6 3. h4 Kh6 4. h5
- 7) 1. c5 b5 2. a3
- 8) 1. Kh6 g5 2. Kh5 g4 3. Kh4 g3 4. Kxg3
- 9) 1. a7 Kb5 (1. ... Nb6+ 2. Kc7! Kb5 3. Kb7) 2. Kb8! (2. Kb7? Nb6 3. Kc7 Ka6 4. Kb8 Nd7+ 5. Kc7 Kxa7 6. Kxd7 Kb6) 2. ... Nb6 3. Kb7! (*Fritz 1964*)
- 10) 1. f3 Kg8 2. f4 Kh8 3. Kf7
- 11) 1. Qg6+ Kxh3 2. Kf3! (*Lommer 1967*)
- 12) 1. Rd4 Kb8 2. Na6+ (*Kralin, Sokolenko 1983*)

## 54. Strategy - Good + bad bishops: A

- 1) **1. Bh6!**  
Exchanging the black-squared bishops is good for White. The black bishop is active.  
**1. ... Qxh6 2. Qxe5 Qg7 3. Qd6 f4 4. Bd5+ Kh8 5. Rae1 Bf5 6. Re7 Qd4 7.**

## Qe5+

A momentary weakness. With a unsafe king's position you must keep the queens on the board. 7. g4! is very strong 7. ... Bc2 (7. ... Bxg4 8. Qc7 and wins.) 8. Rfe1. However, White did win the ending. (*Reshevsky-Shainswit, New York 1938*)

### 2) 1. ... Na7

The knight is not well placed on c6 and from a7 it prepares the useful exchange of the bishops. White's play is far from perfect, but it is instructive.

**2. Ne5** (2. Qd3 Qe8) **2. ... Bb5 3. Bb2 Bxc4 4. Qxc4 Qd5 5. Qxd5 exd5 6. Rc1 Nb5 7. 0-0** (7. Rc5!?) **7. ... Ne4 8. Rc2 Ned6 9. Bc1** and Black is excellent (*Blumin-Fine New York 1939*)

### 3) 1. Be2

The bishop on c8 covers the weakened squares. Exchanging is the right plan.

**1. ... Qh6 2. Bg4 Nd7 3. Nf3 Nb6 4. Bxc8 Rexc8 5. Qb3 Bf6 6. Nh4 Qf8 7. Nf5** and White had no problem winning. (*Ståhlberg-Wade, Birmingham 1951*)

### 4) 1. ... b5!

The white pawns are tied down on the black squares. The move played is better than 1. ... g5 2. Rf2 g4 3. a4.

### 2. Qf3

White is not willing to wait and gives up a pawn.

**2. ... bxc4 3. Qxc6 Qxf4 4. Qxc4 e5 5. Qe2 exd4 6. Rd3 dxc3 7. Rxd7 Rxd7 8. Rxd7 Bd4+ 9. Kh1 Qc1+** and White resigns. (*Kmoch-Alekhine, Kecskemet 1927*)

### 5) 1. ... Bg4!

It is not the bishop on d6 which is the worst piece on the board, but the bishop on g3. After the exchange on f3 this bishop gets sentenced to life

imprisonment.

**2. h3 Bxf3 3. Qxf3 Qxf3 4. gxf3 f6 5. Kg2 a5 6. a4 Kf7 7. Rh1 Ke6 8. h4 Rfb8.** On the queen's wing Black is playing with a bishop up. (*Winter-Capablanca, Hastings 1919*)

### 6) 1. ... Bf8!

Black activates his bad bishop. The move is possible because after 2. Rxf6 Be7 the rook is trapped.

**2. Rd2 Kg7 3. Bd3 Bb4 4. Kc2 Nc5 5. a3 Bxc3 6. Bxf6+ Kxf6 7. Kxc3 Rd8** with the ideal position for Black. (*Tarrasch-Euwe, Bad Pistyan 1922*)

### 7) 1. g4!

White has the advantage of the good bishop. He must create a second front.

1. b4 a5 is bad (or 1. ... Ra8) and Black gets counter play.

**1. ... Bc8 2. h4 g6 3. Rh1 Kg7 4. h5 Rh8 5. Rfh2 Bd7 6. g5** and White decided the battle on the kingside. (*Tarrasch-Teichman, San Sebastian 1912*)

### 8) 1. ... Qa4

Black forces the exchange of a rook.

The passed pawn was decisive. Not much is gained by 1. ... Rxc2+ 2. Qxc2 Qc4 3. Qb2 Kg7 4. Bd2.

**2. Rxc4 dxc4 3. Qb1 c3 4. Bc1 Qd1** (*Korotylev-Neuerov, Petersburg 1993*)

### 9) 1. c3!

Black threatened to exchange the bishops with ...Bb5.

**1. ... Bb5 2. Bb1 Nc6 3. Bc2 Raa8 4. a4 Ba6 5. b4 b5 6. Reb1 Rac8 7. Bd3 Na7 8. Ra3 Rc7 9. a5** and the bishop on a6 acts like a pawn (but one which may take backwards)

(*Sokolov-Vaganian, Minsk 1986*)

10) **1. Ba4!** (*Kasparov-Giorgadze, Minsk 1979*)

11) **1. ... Bxc3**

The bishop on c6 is better than the one on g2.

**2. Qxc3 Qe5** and Black is slightly better. (*Najdorf-Bronstein, Budapest 1950*)

12) **1. ... Qd7!**

The bishop on d2 is the problem child, not the bishop on e7. White can only live with a passive bishop if the rook on f1 can join in. That is prevented by the move of the queen. The gain of tempo after 1. ... Rd8 2. Rc1 Qd7 3. Be1 is therefore not so good.

**2. Bc1**

2. Rd1 is followed by 1. ... Rd8.

**2. ... a4 3. Qc2 Rc8 4. Qe2 Qd5 5. a3 b3 6. e4 Qc4 7. Qe1 Qc2 8. f4 Bc5+ 9. Kh1 Bd4 10. f5 Bxb2 11. Bxb2 Qxb2**  
White resigned.

(*Taylor-Alekhine, Hastings 1936*)

**55. Endgame strategy - Good + bad bishops: A**

- 1) 1. ... b2 2. Bxb2 Kb3 3. Bc1 Ba5 (*Lakos-Anka Balaton 1993*)
- 2) 1. Bf1 Be8 2. Bh3! (2. Bg2 Bg6) 2. ... Kb7 (2. ... Bf7 3. Bc8+) 3. Bg2+ Ka6 4. Bc6 (*Averbakh 1954*)
- 3) 1. a7! (1. Bh2? Ba7 2. Ka5 Kc8 3. Bf4 Kd7 4. Bb8 Bxb8 5. Kb6 Ba7+! 6. Kb7 h6) 1. ... Bxa7 2. Bh2 Kc8 3. Ka5! (*Havasi 1922*)
- 4) 1. ... d5 2. exd5 Bf7
- 5) 1. Be2 Bg6 2. Bd3 Bh7 3. Bb1 Bg6 4. Bc2 Bh7 5. Bb3 Bg8 6. Bd1 Bf7 7. Bf3
- 6) Drawing
- 7) 1. ... b5 2. a4 b4 3. Bf2 Bc7 4. Be1 Bb6 5. Bf2 e5
- 8) 1. ... f5 2. gxf5 Kg7 3. Kd4 Kf6 4. Kc5 Kxf5 5. Kb6 Kf4 6. Bg2 d4 (*Nunn-Ribli, Lucerne 1985*)
- 9) 1. g4 (1. Bf8 Bd6 2. Kg6 g4 3. Kf7 Bxg3) 1. ... Kb4 2. Bf8 Bd8 3. Kg6

Kc5 4. Kf7 Kd6 5. Bxe7+! Bxe7 6. Ke8! (*Evreinov 1970*)

- 10) 1. ... d5 2. Bxd5 Bxf5 3. h5 Be6 4. Bc4 Bxc4 5. bxc4 a6 (*Tartakower-Seitz, Debrecen 1925*)
- 11) 1. ... dxc4? (1. ... bxc4! 2. bxc4 Bc6 3. Bxd5 Bd7 4. c5+ Kc7  $\frac{1}{2}$ - $\frac{1}{2}$ ) 2. Bxa8 cxb3 3. Be4 b2 4. h5 b4 5. Kc4 1-0 (*Matanovic-Uhlmann, Skopje 1976*)
- 12) 1. Kc2 Kd4 2. Kb3 Kc5 3. Kc3 Ba6 4. Ba8 Kb5 (4. ... Be2 5. Bb7) 5. Kd4 (*Takacs 1931*)

**56. Bishop endings (same coloured) - Passed pawn: A**

- 1) 1. Ba5! Bxa5+ 2. Kd3 Bc7 3. Ke4 (*Dawson 1925*)
- 2) 1. e5 fxe5 2. Bc3+ Bxc3 3. b7 (*Kok 1938*)
- 3) 1. h4! Kg6 2. Bb1 Bxb1 (2. ... d3 3. Bxd3 Kh5) 3. b7 (*Troitzky 1909*)
- 4) 1. Bf7 Ba8 2. Bd5 c6 3. c5+ (*Queckenstadt 1920*)
- 5) 1. g6! hxg6 2. f6 Bf3 3. Bc4! Kxc4 4. f7 (*Kosek 1921*)
- 6) 1. a7 Bd5 2. c4 Bb7 3. Bf3 Bxf3 4. d5 (*Karstedt 1915*)
- 7) 1. c6 bxc6 2. Bf3 Bxf3 3. e7 (*Bacca 1921*)
- 8) 1. g7 Bf7+ 2. Kc5 Bxa2 3. b4+ axb3 4. g8Q
- 9) 1. h6 gxh6 2. f6! Be6 3. f7 (3. Bb3+? Ke5 4. f7 Bxb3+) 3. ... Bxf7 4. Bb3+ (*Selesniev 1921*)
- 10) 1. Ba5 Kb3 2. Bc3! (*Réti 1925*)
- 11) 1. Bf4 Bg1 2. Bd6 Bd4 3. f7 Bg7 4. Be5+ (*Prestigiacomo 1975*)
- 12) 1. e6 (1. Bd7 Kxf4 2. Bxf5 Kxe5 3. h6 Kf6) 1. ... Bxe6 (1. ... Kxf4 2. e7 Kg5 3. Ba4) 2. h6 Bf5 3. Bd7 Bh7 4. f5

**57. Bishop endings (same coloured)- Technique: A**

- 1) 1. Kb4! Kd5 2. e4+ Kxe4 3. Bxd1 Kd3 4. Kc5 e4 5. Kd5 (*Pogosjants 1976*)
- 2) 1. h5 (*Kovchan-Antal, Hungary 1995*)
- 3) 1. Bc2+ Ka5 2. b4+ Ka6 3. Bf5 Bc6 4. Bc8 Bb7 5. b5+ (5. Bd7? Bc6) (*Pogosjants 1981*)
- 4) 1. Be8 Ke7 2. Ke5 Bg4 3. Bg6 Bd7 4. Bxh7 c6 5. dxc6 Bxc6 6. Bxe4 Bxe4 7. Kxe4 Kf6 8. f4
- 5) 1. Ke2 Bc1 2. g4
- 6) 1. b6+ Bxb6 2. Kb5
- 7) 1. Bg6 (1. Kxc5 f2 2. Bc4 Kxh7; 1. Bd5? f2 *Euwe-Lilienthal, Stockholm 1937 0-1*) 1. ... f2 2. Bd3 f1Q 3. Bxf1 Kxh7 4. Kxc5
- 8) 1. Kg3! (1. Ke3? Bg5+) 1. ... f4+! (1. ... Ke6? 2. Kf4) 2. Kf3 (2. Kxf4? Ke6 3. Ke4 (3. Kf3 Kf5) 3. ... Bxg7 4. hxg7 f5+) 2. ... Ke6 3. Kxf4 Ke7 4. Kf5 (*Szczep 1987*)
- 9) 1. Kf6 Kh6 (1. ... Bd1 2. Kg7) 2. Bg6 Bd1 3. g4 Bxg4 4. hxg4 (*Bernstein 1904*)
- 10) 1. ... b5 2. Bxb5 (2. axb5 Bd5 3. Bxd5 exd5) 2. ... Bxb5+ 3. axb5 Kc7
- 11) 1. Bb3 Be6 2. Bd1 Bf7 3. Bf3 (*Robinson 1947*)
- 12) 1. d7+ Kxd7 2. Be5 Kc8 3. Kf4 Bb8 (3. ... Kd7 4. Kg5 Ke7 5. Kg6 Kd7 6. Kf7 and so on) 4. Bxb8 Kxb8 5. Ke5 Kc7 6. Kxe6 (*Hasek 1908*)

### 58. Bishop endings (opposite coloured) - Passed pawn: A

- 1) 1. ... Be4 2. Kf2 b4 3. Ke2 b3 4. Kd2 b2
- 2) 1. d5+! Bxd5 (1. ... cxd5 2. e4! dxe4 (2. ... Bxe4 3. Ke3 Kf5 4. Kd4) 3. Ke3 d5 4. a7 d4+ 5. Kf4) 2. e4 Bxe4 3. f3 Bxf3 4. Bc5 (*Beyer 1984*)
- 3) 1. e7 a2 2. Be3+ g5 3. Bd4 (*Apschenek 1933*)
- 4) 1. Bf4+ Kg7 2. Be5+ Kf7 3. Bd4 cxd4

4. a7
- 5) 1. Bf5+ Kf6 2. Ke8 Be7 3. Bh3 (*Herbstmann 1928*)
- 6) 1. Bb1 (1. a7? Bxa7 2. Kxa7 Ke3 3. Bb1 Kd2 4. Kb6 Kc1 5. Bd3 Kd2 6. Bb1 Kc1) 1. ... Bd4 2. a7 Bxa7 3. Kxa7 Ke3 4. Kb6 (*Rubinstein-Grünfeld, Karlsbad 1929*)
- 7) 1. ... Bf8 (1. ... Kf4 2. Bc8 Bf8 3. Kxd4 g4 4. Bxg4 Kxg4 5. h6) 2. Bc8 (2. Bh3 Bg7 3. Ke2 Kf4) 2. ... Bg7 3. Bd7 Kf4
- 8) 1. d4 Bxd4 2. d6+ Kxd6 3. Bf5 gxf5 4. h7
- 9) 1. Bc5+ Ka6 2. Kc7 Ba8 3. Kc8 Bb7+ 4. Kb8 (*Dobrescue, Nestorescu 1976*)
- 10) 1. ... g1Q 2. Bxg1 Kg2 3. Kg4 Ba8 4. Kh4 Bf3
- 11) 1. ... Be3 (1. ... g4? 2. Kf5 Be3 3. Kxg4 Bxf2 4. Kh3 a2 5. Bxa2 Kxa2 with the wrong bishop!) 2. Kxh6 (2. f3 a2 3. Bxa2 Kxa2) 2. ... g4+ 3. Kg6 Bxf2
- 12) 1. Ka7 (1. Bf6? Kf7 2. Bg5 -2. Bc3 g5-2. ... Ke6) 1. ... Bc8 2. Ka8 Ba6 3. Kb8 (*Dragan 1925*)

### 59. Bishop endings (opposite coloured) - Defending: A

- 1) 1. ... Ke7 2. h7 g6+ 3. Bxg6 (3. Kxg6 Bh8) 3. ... Bg7
- 2) 1. Bf3 (1. Be4 Kf4 2. Bd3 h4 3. Kb1 Kg3 4. Bf1 Kf2 5. Bc4 Bf6 ; 1. Bf7 h4)
- 3) 1. f5 Bxf5 2. Bg3 d5 3. Bd6 Kf7 4. Kd4
- 4) 1. g4 hxg4 2. Kc1
- 5) 1. Ka3 c1Q+ 2. Bxc1 Kxh4 3. Bb2
- 6) ... Bd6 2. Bb3 Bc5 3. b7 Bd6 4. Kd5 Bb8 5. Kc6 Ke7
- 7) 1. ... Kc8! (1. ... Kc6? 2. e7 Kd7 3. b7 Bxb7 4. Kf7 ; 1. ... Ke8? 2. Ke5 Bb7 3. Kd6 Ba8 4. Bb8 Bb7 5. Bc7 Bf3 6. e7 Bg2 7. Bd8 ; 1. ... Kd8 2. Bb8) 2. e7 Bc6 3. Kf7 Kb7 4. e8Q Bxe8+ 5. Kxe8
- 8) 1. ... Bb5! (after 1. ... Kc8? The pawns

can move forward in a closed formation: 2. Kc5 Bf3 3. b5 Be2 4. Kb6 Bd3 5. Ka5 Be2 6. b6) 2. a7 Bc6 3. Kc5 Ba8

- 9) 1. ... Kg5 and White can no longer penetrate the black position.
- 10) 1. Bf5! Ka2 2. Be6! Kb2 3. Bf7 Ka3 4. Bg6
- 11) 1. g6 (1. h5? Bxg5 2. Be2 Kf2 3. Bd1 Ke3 4. Bc2 Kd2 5. Bb1 Kc3 6. Ba2 Kxd3 ; Also good is 1. Kg1 or a normal move with the bishop. After Black captures on h4 2. g6 is obliged.) 1. ... fxg6 2. h5 gxh5 3. Bg2
- 12) 1. ... a5

#### 60. Bishop endings (same coloured) – Defending: A

- 1) 1. a6 Bb8 2. Bc3 Ba7 (2. ... dxc3 3. a7 Bxa7 stalemate.) 3. Bxd4+ Bxd4 4. a7 Bxa7 stalemate. (*Dawson 1913*)
- 2) Drawing
- 3) Drawing
- 4) 1. Bg6! c4 2. Bh7! Bxh7 (2. ... Kf7 3. Bg8+ Kf8 (3. ... Kg6 4. Bxc4 Bxc4 stalemate.) 4. Bxc4 Bxc4 5. g6 Bd3 6. Kh7 Bxg6+ 7. Kxg6 Kg8) 3. g6 c3 4. gxh7 (*Nerong 1932*)
- 5) 1. g5 (1. Bf4 Bh4 2. Be3 Bg3 3. Bg1 Bf4 4. Kb3 Kb6 5. Ka4 Bc1)
- 6) 1. Bxe3 Bd2 2. Bg5 Kf5 3. f4 Bxf4 4. Kh5
- 7) 1. f3! Bxf3 2. Kf2 h2 3. Bd1! Bxd1 (3. ... h1Q 4. Bxf3+) 4. Kg2 (*Prokes 1946*)
- 8) 1. c6! Bxc6 (1. ... Ke7 2. c7 Kd7 3. Ba4!) 2. Ba4! bxa4 3. Kd2! (3. Kd1? Be4! 4. Kc1 a3) 3. ... a3 (3. ... Be4 4. Kc3!) 4. Kc2 (*Ojanen 1957*)
- 9) 1. g6 Bc5 (1. ... Bd4 2. f5 exf5 3. Bf6) 2. Bf6! Bf8 3. f5! exf5 4. Be7! Bxe7 stalemate. (*Selesniev 1917*)
- 10) 1. Kxf4 Bxh3 2. Ba6! bxa6 (2. ... Bg2

3. Bxb7 Bxb7 4. Ke3 Kd5 5. Kd2 Kc4=) (*Breider 1950*)

- 11) 1. Ke5 (1. Ba2 Kf6) 1. ... Bf7 2. Kxd4 Bxc4 3. Kc3 (after *Holm 1932*)
- 12) 1. Bh3 Bc6 2. Bg2 Bxg2 3. d7 h1Q+ 4. Kd2

#### 61. Defending – Defending against an attack on the king: A

- 1) 1. ... Qc4 2. Qxh5? (2. Be7 f5 3. Bxf8 Rxf8) 2. ... Qxf1+
- 2) 1. ... Qh2+ 2. Kf1 (2. Kxh2 fxg3+) 2. ... Qxg2+ 3. Kxg2 f3+
- 3) 1. ... Be4 (1. ... Kg8 2. Bxh6 Be4 3. Bxg7=) 2. Bxh6 Bg6
- 4) 1. ... Qc2+! (and not 1. ... Kxh7? 2. Ng5+ Kg8 3. Qh3) 2. Kxc2 (2. Ka1 Qd1+ 3. Ka2 Nb4+ 4. Ka3 Qa1#; 2. Ka2 Nb4+ 3. Ka3 Nd3+ 4. b4 Bxb4+ 5. Ka2 Qxb2#) 2. ... Nxe3+ 3. fxe3 Kxh7
- 5) 1. ... Qc5+ 2. Kh1 Qf2
- 6) 1. ... Qa6! (1. ... Bg7? 2. Rxf7 Rxf7 3. Bxf7+ Kh8 4. Bxe8; 1. ... g5 2. Bc4 Qe4 3. Bd3 Qh4 4. Bxh7+ Kh8 5. Qxh4 gxh4 6. Be4; 1. ... Qe4!? 2. Bd5 and White is a little bit better).
- 7) 1. ... Qh7 2. Rh4 Qxh4 3. gxh4 Rg8
- 8) 1. ... Nxb5! (1. ... Bf6? 2. Nxc7 Qxc7 3. Bxf8; 1. ... Nxc4? 2. Bxc4 Bxh6 3. Qxh6 Nxb5 4. hxg6) 2. Bxg7 Kxg7 3. hxg6 hxg6 4. Qh6+ Kf6 and Black is still alive.
- 9) 1. ... Qxf2+ 2. Kh1 Qxe1+ 3. Rxe1 Nf2+
- 10) 1. ... Bd3 2. Rxd3 fxe5 3. Qh6+ (3. e4 Qh4 4. Rg3 Qh7 5. Qg4 Ra6) 3. ... Kg8 4. Qg6+ (4. e4 Qf6)
- 11) 1. ... h5 (1. ... Bxg7 2. f6) 2. Rg5 Bxg7 3. Qc3 Qe5
- 12) 1. ... Kf6 (1. ... Kf8 2. Qg5; 1. ... Kg8 2. Ra8 Rc8 3. Rxc8)

**62. Defending – Defending against an attack on the king: B**

- 1) 1. ... Qxd1 2. Bxd1 Ne4
- 2) 1. ... Qxe4 2. Bxe4 Be8
- 3) 1. Nxf3 exf3 2. Qg7+
- 4) 1. Qxf7+ Kh8 2. Be5
- 5) 1. ... Qxc1+ 2. Qxc1 Bxb2
- 6) 1. ... Qb1+
- 7) 1. Qxh7+? Kxh7 2. Bd3+ Be4!! 3. Rxe4 Rg8. Black resigned after 1. Qxh7+ in *S. Horvath-Kroeze, Netherlands*
- 8) 1. Rd2 (1. d4 Qe2) 1. ... Rxd2 2. d4 Qe2 3. Bc1
- 9) 1. ... Be4! (1. ... Nf6? 2. Nd7! Be4 3. Nxf6+ gxf6 4. Qxe4 ; 1. ... g6 2. Nxd7 Qxd6 3. Nxb8 Qxb8 4. Rd1) 2. Qxe4 Nf6 3. Qd4 Rfd8
- 10) 1. ... Bd2! (1. ... Qxg6? 2. Qxf8+ Bg8 3. Bh5! Qe6 (3. ... Qg5 4. h4 Qf4+ 5. Kg2) 6. Qg7# (*Chigorin-Tarrasch, St. Petersburg 1893*) 2. Rxf6 Bxh6 3. Rxh6 b3 4. Bd1 b2 5. Bc2 Rc8
- 11) 1. ... Nxe4 2. Qxe4 Bxf2+ 3. Kxf2 Ng5+. But 1. ... h6? is bad: 2. Nxf6+ Bxf6 (2. ... Qxf6 3. Qxd4) 3. Qe4 Nd6 4. Qxe6+.
- 12) 1. ... Qe8 (1. ... Re8 2. Rh3 ; 1. ... Ne5 2. Bf6 exf6 3. Rh3) 2. Bf6 (2. Rh3) 2. ... Nxf6 3. Rh3 Nh5 4. Rxh5 gxh5 5. Qg5+

**63. Defending – Piece (♖♗♘) against a passed pawn: A**

- 1) 1. Ne6! (1. Kd4? Kxg5 2. Ke3 Kh4 3. Kf2 Kh3 4. Kg1 Kg3) 1. ... g3 (1. ... Kxe6 2. Kd4 Kf5 3. Ke3 Kg5 4. Kf2 Kf4 5. Kg2) 2. Nd4+ Ke4 3. Ne2 (*Hannemann 1949*)
- 2) 1. Kd3! (1. Ba2? Ke5! ; 1. Kc3+? Ke5 ; 1. Kd2+? Kf4 2. Ba2 Ke5) 1. ... Ke5 (1. ... Kf4 2. Kd4 h2 3. Be4) 2. Ke3 h2 3. Be4 (*Selivanov 1994*)

- 3) 1. Rf5 Kxf5 2. g4+
- 4) 1. Ke7 f5 2. Kd6 f4 3. Nc7 f3 4. Nd5 f2 5. Ne3
- 5) 1. Bh7 Kd5 2. Bd3! (2. Bf5? h2 3. Bc8 Kc6) 2. ... h2 3. Ba6 Kc6 4. Kc8 h1Q 5. Bb7+ (*Selivanov 1991*)
- 6) 1. Nb3+! (1. Ka4? Kb1! 2. Nb3 Kb2 3. Kb4 b5) 1. ... Kb2 (1. ... Kb1 2. Kb4 Kb2 3. Ka4 b5+ 4. Kb4) 2. Ka4! b5+ 3. Kb4 (*Hasek 1929*)
- 7) 1. Nd6 (1. Kf8 g3 2. Nd6 g2 3. Nf7+ Kh7 4. Ng5+) 1. ... g3 2. Kf8 g2 (2. ... Kh7 3. Ne4 g2 4. Ng5+) 3. Nf7+ Kh7 4. Ng5+ Kg6 5. Nf3 (*Hanneman 1927*)
- 8) 1. Bg2! (1. Bf1? Ke5 2. Ke7 Kf4 3. Kf6 (3. Bg2 Ke3 4. Kf6 Ke2) 3. ... Kf3) 1. ... Ke5 2. Ke7 Kf4 3. Kf6 Ke3 4. Kf5 Ke2 5. Kf4 f1Q+ 6. Bxf1+ Kxf1 7. Kxg3 (*Kling, Horwitz 1853*)
- 9) 1. Kf3 d2 2. Rc4+! Kd3 3. Rd4+ Kxd4 4. Kxe2 Kc3 5. Kd1 Kd3 stalemate. (*Prokes 1939*)
- 10) 1. Kg7! (1. Kf7? d3 2. Ng6 d2 3. Nf4+ Kh6!) 1. ... d3 2. Ng6 d2 (2. ... Kg5 3. Ne5 d2 4. Nf3+) 3. Nf4+ Kg4 (3. ... Kg5 4. Nh3+ ; 3. ... Kh4 4. Ng2+) 4. Nd5! (4. Ng2? Kf3) 4. ... d1Q 5. Ne3+ (*Von Altena 1941*)
- 11) 1. Kc6 h5 2. Kd5 h4 3. Nd2 Kxd2 4. Ke4 (*Selman 1941*)
- 12) 1. Rd4+! Ke6 (1. ... Kc6 2. Rc4+ Kb5 3. Kxe2 Kxc4 4. Kd2 Kb3 5. Kc1 Kc3 stalemate.) 2. Re4+ Kf5 3. Kxc2! Kxe4 4. Kd2 Kf3 5. Ke1 Ke3 stalemate. (*Maksimovskikh a.o 1987*)

**64. Defending – Defending against tactics: A**

- 1) 1. Rf8+ Kxf8 2. Ne6+ Kf7 3. Nxd4
- 2) 1. Be3 (1. Ba3? Nc3! 2. Bxd6 Ne2+ 3. Kf1 Nxc1)
- 3) 1. Rh8+ Kxh8 (1. ... Kg6 2. Ra6+ Kf7

- (2. ... Kf5 3. Rf8+ ; 2. ... Kh5 3. Ra5+ g5 (3. ... Kg6 4. h5+ Kf7 5. Rf8+ Ke7 6. Re8+) 4. Rxg5+ Bxg5 5. hxg5) 3. Rf8+ Ke7 4. Re8+ Kf7 5. Rxe3) 2. a8Q+ Kh7 3. Qe4+ g6 (3. ... Kg8 4. Ra8+ Kf7 5. Qe8+ Kf6 6. Ra6+ Kf5 7. Qe6#) 4. Qe7+ (*Cozio*)
- 4) 1. ... Bf6 2. exf6 Qd4
  - 5) 1. Rae1 Qxe4 2. Bh6
  - 6) 1. Qa1! Ra4+ 2. Ne2+!
  - 7) Drawing
  - 8) 1. ... Nc6 (1. ... c6)
  - 9) 1. ... Qf2
  - 10) 1. ... e5 2. dxc6 b6
  - 11) 1. ... Bf5
  - 12) 1. Be4! Qxe4 2. Qf7

#### 65. Rook endings - Activity and vulnerability: A

- 1) 1. Kxf6 Rh5 (1. ... Re8 2. Kf7) 2. Kg6 (*Selesniev 1940*)
- 2) 1. ... Kb6
- 3) 1. Rh2+ (1. Rxc7 a5+ 2. Kc5 Rc1+ 3. Kd6 Rxc7 4. Kxc7 a4 5. b6 a3 6. b7 a2 7. b8Q+ Kc2) 1. ... Kc1 2. Kb3 Ra5 3. Rh1+ Kd2 4. Kb4 Ra2 5. Rh2+
- 4) 1. e4 Kxe5 2. Rb5+ Kxe4 3. Rxh5 Kf4 4. Rxh2 (*Pogosjants 1971*)
- 5) 1. ... Rd6 2. Rxa7+ (2. Rxd6 Kxd6) 2. ... Ke6
- 6) 1. Kf6 h6 2. Kg6 Rg5+ 3. Kxh6 Rg8 4. Rh7# (*Blandford 1964*)
- 7) 1. d8Q+ Kxd8 2. Ke5 f4 3. Ke6 Re8+ 4. Kd6 (*Minev 1974*)
- 8) 1. Ka7 Kc7 2. Rc1+ Kd8 3. e6 dxe6 4. Kb7 Kd7 5. Rd1# (*Pogosjants 1980*)
- 9) 1. b5+ cxb5 2. b4! Rxb4 3. Re7 Ka5 4. Rxa7# (*Tarasjuk 1990*)
- 10) 1. Kc6 Rxa6+ 2. Kb5 Ra8 3. Ra4+ Rxa4 4. bxa4 d5 5. a5 d4 6. a6 d3 7. a7 d2 8. a8Q+ (*Prokes 1950*)
- 11) 1. ... a4 2. bxa4 b3 3. cxb3 (3. c4 Kf3) 3. ... Kf3

- 12) 1. ... Kc6! 2. Rc1+ Kd7 and mat.

#### 66. Rook endings - Passed pawn: A

- 1) 1. Ra8 Rb2+ 2. Ke3 Rb3+ 3. Ke4 Rb4+ 4. Ke5 g5 5. f7 Rf4 6. f8Q+ Rxf8 7. Rxf8 (*Kekely 1989*)
- 2) 1. Rxa7 Rxa7 2. b6
- 3) 1. Rg6 (1. h7? Kc2 2. Rc6+ Kb1 3. Rb6+ Kc2 ; 1. Kg1 Rc3 2. Rb1 Rc7) 1. ... Ke2 2. Rxg3 Rxg3 3. h7 (*Lauer 1977*)
- 4) 1. Rf4+ (1. g3 is tempting but not good 1. ... Ra6! 2. Rf4+ Ke5 3. Rg4 Re6 with a draw) 1. ... Kxf4 (1. ... Kd5 2. Rg4 Re2 3. g7 Re8+ 4. Kc7 Rg8 5. Kd7 a5 6. Ke7 a4 7. Kf7) 2. g3+ Kxg3 3. g7 (*Wotawa 1936*)
- 5) 1. h6 Ra3 (alternatives do not save Black either: 1. ... Ra7 2. Ra4 Rf7 3. h7 Rxh7 4. Ra8+ Kc7 5. Ra7+ ; 1. ... Ra1+ 2. Kg2 Ra7 3. Ra4 ; 1. ... Ra6 2. h7 Rh6 3. Ra4 ; 1. ... Kd7 2. Rc8! Kxc8 3. h7 Kd7 4. h8Q) 2. Ra4! (a necessary rook sacrifice, because 2. h7? Rg3+! 3. Kf2 Rf3+ 4. Kg2 Rf8 5. Ra4 Ke7 is a draw.) 2. ... Rxa4 (with the white rook on the a-file check is not enough: 2. ... Rg3+ 3. Kf2 Rf3+ 4. Kg2 Rf8 5. Ra7!) 3. h7 (*Troitzky 1923*)
- 6) Drawing
- 7) 1. Rg3 Rh6 (1. ... Rf6 2. Ra3 Kg6 3. a7) 2. Rg8 Kxg8 3. a7 (*Prokes 1948*)
- 8) 1. f6 Rxe2 2. Rh5+ Kb6 3. Rf5 exf5 4. f7 (*Rinck 1906*)
- 9) 1. Rg7 Kc2 2. Rg2+ Kb3 3. Ra2
- 10) 1. ... f3 2. Kg5 Ke8
- 11) 1. b7 (1. Rc1 Rg2+ 2. Kf6 Kd7) 1. ... Ra7 2. Re1+ Kd8 3. Re7 Kxe7 4. b8Q (*Fritz 1953*)
- 12) 1. a7 Re8 (1. ... Re5+ 2. Kg6 Ra5 3.

Rc1) 2. Re1! (this gain of a tempo is necessary: 2. Ra1 Ra8 ; 2. Rc1 Kf7) 2. ... Ra8 3. Re7 Kf8 4. Rb7 (*Prokop 1925*)

### 67. Rook endings - Passed pawn: B

- 1) 1. Rc2 Rxb7 2. Ra2+ Kb4 3. Rb2+ Ka3 4. Rxb7
- 2) 1. Ra8 Rxa8 2. b7
- 3) 1. Rc1 Rxc1 2. h7 (*Fahrni 1917*)
- 4) 1. ... Rb1
- 5) 1. d5 cxd5 2. Rh4 Rxh4 3. f8Q
- 6) 1. Rb6 Ka5 2. Rb2 (*Richter 1955*)
- 7) 1. e5 Kb6 2. Ra7 Kxa7 3. e6 Kb7 4. e7 Rxd7 5. e8Q (*Buzandjan 1984*)
- 8) 1. Rf5 (1. Rg5 Ra5) 1. ... Kxf5 2. g7 (*Troitzky, Lazard 1903*)
- 9) 1. Ra8 Kh4 2. Ra4 Rxa4 3. g8Q Rg4 4. Qd8+ Rg5 5. Qe7 (*Richter 1953*)
- 10) 1. Rc1 Kh4 2. Rc4 (*Katsnelson, Mavskimovskikh 1983*)
- 11) 1. b6 axb6 2. Ra5 bxa5 3. a7
- 12) 1. b4 Ke6 2. Rh6+ Kd7 3. Rh8

### 68. Rook endings - Technique: A

- 1) 1. Re7 Kc8 2. f7 Kd8 3. Ra7 Rf8 4. Kxh2 (*Cvejic 1969*)
- 2) 1. c8Q+ Rxc8 2. Rc7+ Rxc7 3. bxc7 a2 4. c8Q+ (*Stamma*)
- 3) 1. Rg5
- 4) 1. Ra7 Kd8 2. b7 Kc7 3. b8Q+ Kxb8 4. Rxd7
- 5) 1. ... Kf5 2. Rg7 Rf4+ 3. Kc5 Rg4
- 6) 1. b6 axb6 2. Ra8+ Ke7 3. Ra7+ Ke6 4. Rxf7 Kxf7 5. c7
- 7) 1. Rc1+ (1. a8Q Rxa8 2. Kxa8 d5 3. Kb7 d4=) 1. ... Kb5 2. Rd1 Kc5 3. a8Q Rxa8 4. Kxa8 d5 5. Kb7 d4 6. Kc7 Kd5 7. Kd7
- 8) 1. ... Rd3+ (1. ... Rh4 2. Re4 Rxe4 3. Kxe4 Kb7 4. Kd3 Kc7 5. Kc3 ; 1. ... Ra3 2. Re4)
- 9) 1. a6 Ra1 2. a7 Kf7 3. Rh8 Rxa7 4.

Rh7+

- 10) 1. b5 (1. Rxe5+ Kf6 2. Rxe6+ Kxe6 3. Kd4 Kd6 4. Kc4 Kc6=) 1. ... Kf6 2. b6 Re8 3. Kd5 Ke7 (3. ... e4 4. b7 e3 5. Rc8 Re5+ 6. Kd4 e2 7. Rf8+) 4. Rc7+ Kd8 5. Ra7
- 11) 1. Re7 Kc5 2. Re5+ (*Eisenstadt 1932*)
- 12) 1. Rf5+ Kg7 2. Rf2 Kg6 3. Rc2 Kf7 4. Kc7

### 69. Rook endings - Technique: B

- 1) 1. b5 cxb5 2. Rf8
- 2) 1. ... Re8 2. Ra7 Re6 3. Ra5 Re7
- 3) 1. Rb1
- 4) 1. ... Rd2 2. Rc8 Kd5
- 5) 1. ... Rb6
- 6) 1. h7 Rh2 2. Ra4
- 7) 1. ... Rf5 (1. ... Rf2 2. Ra3 Kxg2 3. Rxc3+ Kxc3 4. Kxa7 Kf4 5. b6 Ra2+ 6. Kb8 Ke5) 2. Ra5 Kxg2 3. Kxa7 Kh3
- 8) 1. Rc7 Rf6 2. Rd7 Rf5 3. Ke4 Rf6 4. Ke5 (*Kaminer 1926*)
- 9) 1. h3 Kh7 2. h4 Kh6 3. Ra8 Rxb7 4. Rh8# (*Marwitz 1939*)
- 10) 1. c6 Rd8 2. Kf3 a4 3. Ke4 a3 4. Ke5 Rd3 5. c7 a2 6. Rxa2 Rc3 7. Kd6 Rd3+ 8. Kc6 Rc3+ 9. Kb7 Rb3+ 10. Ka8 Rc3 11. Ra7
- 11) 1. f8Q+ Rxf8 2. Rd1 Rc8 3. Rd7+
- 12) 1. Kh3 (1. a5 Kxa5 2. Rxc5+ Kb6 3. Rg7 Kc6 4. Kg3 Rf1 5. Kg4 Kd6 6. Kg5 Ke7=) 1. ... Kb6 (1. ... Rh4+ 2. Kg3 Rf4 3. a5) 2. Kg3 Ka6 3. a5 (*Janosi, Benko 1987*)

### 70. Rook endings - Rook in front of the pawn: A

- 1) 1. Ke4 Kg7 2. Rg8+
- 2) Drawing
- 3) 1. f6 Rb5 2. Rh8
- 4) 1. g4+ Kh4 2. g5 hxg5 3. Rh8+ Kg3 4. c8Q Rxc8 5. Rxc8 g4 6. Kc2 Kf2 7. Kd2 g3 8. Rf8+

- 5) 1. Rd8 Rxa7 2. Rd7+ Rxd7 3. Kxd7 Kf7 4. Kd6 Kg7 5. Ke6
- 6) 1. f5 gxf5 2. g6 fxc6 3. Rg8 g5 4. a8Q Rxa8 5. Rxa8
- 7) 1. ... h5
- 8) 1. ... a4+ 2. Kc2
- 9) 1. ... g5 (1. ... Ra3+ 2. Kg4 Ra5 3. h3 Ra3 4. Kg5 Ra4 5. h4 Ra1 6. Kf6 Ra6 7. Ke5 Ra4 8. Kxe6 and with h5 White makes the f-pawn a passed pawn)
- 10) 1. Kg5! Rg1+ 2. Kh6 a1Q 3. Ra8+ Qxa8 stalemate. (*Ponziani 1910*)
- 11) 1. ... Rb1 (of 1. ... Rb4) 2. f4 e2
- 12) 1. ... Ra3 2. Kd6 Rd3+ 3. Kc6 Ra3 4. Kd5 Rd3+

## 72. Mate - Mating patterns (♠♔): A

- 1) 1. Nd7+ Bxd7 2. Qxc8+ Bxc8 3. Re8#
- 2) 1. Qa8+ Rxa8 2. Rxa8+ Kh7 3. Rh8+ Nxb8 4. Rg7#
- 3) 1. Nc7+ Nxc7 2. Qd8+ Kxd8 3. Bg5+ Ke8 4. Rd8#
- 4) 1. Qh6+ gxh6 2. Rxf6+ Kg7 3. Bxh6+ Kg8 4. Rf8#
- 5) 1. ... Rh1+ 2. Kxh1 Bxf2 3. Nd2 Rh8#
- 6) 1. Rxc7+ Kxc7 (1. ... Kh8 2. Qh6 Qd7 3. Bxf6) 2. Qg5+ Kh8 3. Qxf6+ Bxf6 4. Bxf6+
- 7) 1. Nf6+ gxf6 2. Qf8+ Kxf8 3. Bh6+ Kg8 4. Re8#
- 8) 1. ... Rxh3+ 2. gxh3 Qh2+ 3. Kxh2 Rf2+
- 9) 1. ... Bd3+ 2. Qxd3 Qh1+ 3. Nxb1 Rxh1+ 4. Ke2 Re1#
- 10) 1. ... Rg8 2. Rxf3 Bd4+ 3. Kf1 Rg1#
- 11) 1. Qxd7+ Rxd7 2. Rb8+ Bd8 3. Bf6 Kf8 4. Bxd7
- 12) 1. Nxc5+ hxc5 2. Be4+ Kh6 3. Rh8+ Bxh8 4. Rh7#

## 73. Mate - Mating patterns (♠♔): B

- 1) 1. ... Qf2+ 2. Rxf2 Re1+ 3. Rf1 Rxf1+ 4. Kxf1 Re1#

- 2) 1. Qxh7+ Kxh7 2. Rh3+ Kg8 3. Ng6 Rxe3 4. Rh8#
- 3) 1. ... Rf2+ 2. Kh1 Rh2+ 3. Kxh2 Nf3+ 4. Kh1 Rxcg1#
- 4) 1. ... Qxh2+ 2. Kxh2 Ng4+ 3. Kh1 Rh3+ 4. Bxh3 Rh2#
- 5) 1. Qb7+ Nxb7 2. Nc6+ Ka8 3. axb7+ Kxb7 4. Rxa7#
- 6) 1. Qxf8+ Bxf8 2. Re8+ Kxe8 3. Nd6+ Kd8 4. Re8#
- 7) 1. Nc8+ Nc5 2. Qxc5+ Qxc5 3. Rd8#
- 8) 1. Ne6+ Ke8 2. Qd8+ Bxd8 3. Rf8+ Rxf8 4. Ng7#
- 9) 1. ... Raxg2 2. Nxc2 Rg3 3. Nh4 Rg1#
- 10) 1. Nd6+ Kb8 2. Rc8+ Ka7 3. Rc7+ Bxc7 4. Rb7#
- 11) 1. Be8+ Nxe8 2. Kg5 Nf6 3. Rf8#
- 12) 1. ... Qg2+ 2. Rxc2 Nf3+ 3. Kh1 Rd1+ 4. Rg1 Rxcg1#

## 74. Mate - Mating patterns (♠♔): C

- 1) 1. Qg8+ Kxg8 2. Ne7+ Kf8 3. N7g6+ hxg6 4. Nxc6#
- 2) 1. ... Qg5 2. Rg1 Qxcg1+ 3. Nxc1 Nxf2#
- 3) 1. Qh6+ Qxh6 2. Nf6+ Kg5 3. Ne4+ Kh5 4. Bg4#
- 4) 1. ... Qd2+ 2. Ka1 Qd4+ 3. Bxd4 Bxd4+ 4. Kb1 Na3#
- 5) 1. Qd8+! Rxd8 2. Re8+! Kxe8 3. Nf6#
- 6) 1. Qh7+ Kxh7 2. Rxc7+ Rxc7 3. Nf6+ Kg6 4. Bh5#
- 7) 1. Nf7+ Kg8 2. Nxb6+ Kh8 3. Qg8+ Nxc8 4. Nf7#
- 8) 1. Ng4 Be7 2. Nxc6+ Bxc6 3. Re8+ Qxe8 4. Nxf6#
- 9) 1. Qd8+ Rxd8 2. Ne7+ Bxe7 3. Nb6#
- 10) 1. Qh5 Bxd5 2. Rxd5 Qxd5 3. Qxf7+ Qxf7 4. Nd7#
- 11) 12) Drawing

## 75. Mate - Mating patterns (8<sup>th</sup> rank): D

- 1) 1. ... Ne2+ 2. Nxe2 Rxf1+ 3. Kxf1

Rd1#

- 2) 1. Qh8+ Kxh8 2. Bf6+ Kg8 3. Rxe8+ Rxe8 4. Rxe8#
- 3) 1. Qc6 Qc8 2. Rd8 Rg7 3. Rxc8#
- 4) 1. Ne7+ Kh8 2. Qc8 Rxc8 3. Rxc8#
- 5) 1. Nf5+ Kg8 2. Qf8+ Kxf8 3. Rc8#
- 6) 1. Rxc7+ Nxc7 2. Qf7+ Kh8 3. Qf8+ Rxf8 4. Rxf8#
- 7) 1. Qe7+ Rxe7 2. Rg8+ Kxc8 3. Rd8+ Re8 4. Rxe8#
- 8) 1. Be7+ Rxe7 2. Rd8+ Re8 3. Rxe8+ Kxe8 4. Rg8#
- 9) 1. ... Nf3+ 2. exf3 Qxf1+ 3. Kxf1 Bh3+ 4. Kg1 Re1#
- 10) 1. Qxf7+ Rxf7 2. Rb8+ Rf8 3. Be6+ Kh8 4. Rxf8+ Ng8 5. Rxc8#
- 11) 1. ... Qd1+ 2. Kf2 Qe2+ 3. Kg1 Qe1+ 4. Nxe1 Ne2+ 5. Kh1 Rf1#
- 12) 1. ... Qf3 2. Qf1 Ra1 3. Rb1 Rxb1 4. Nc1 Rxc1 5. b4 Qg2#

#### 76. Mate - Mating patterns (mix): E

- 1) 1. g4+ fxg4+ 2. Nxc4+ g5 3. Qe8+ Qg6 4. Nf6#
- 2) 1. ... Qxh2+ 2. Kxh2 Rh5+ 3. Kg1 Bh2+ 4. Kh1 Ng3#
- 3) 1. Qb6+ Ke8 2. Rxf8+ Kxf8 3. Qd8#
- 4) 1. ... Qg4+ 2. Bg2 Nh3+ 3. Kh1 Nxf2+ 4. Kg1 Qxc2#
- 5) 1. Nh5 Kh8 2. Nf6 Qxc7 3. Rg8#
- 6) 1. ... Nb3+ 2. Ka2 Nc1+ 3. Ka1 Rxa3+ 4. bxa3 Ra2#
- 7) 1. Qe7 Nf5 2. Rxf5 Nxc6 3. Rxf8+ Rxf8 4. Rxf8#
- 8) 1. Rxe6 Qxf5 2. Rg6#
- 9) 1. Ng6+ Ke8 2. Qxf7+ Nxf7 3. Bg8 Nd4 4. Bxf7#
- 10) 1. Rxh6+ Kxh6 2. Qg5+ fxg5 3. hxc5+ Kh7 4. Rh2#
- 11) 1. Qh6+ gxh6 2. f7+ Kh7 3. f8N#
- 12) 1. Rc5+ Bc4 2. Rxc4+ Rxc4 3. Rd3+ Rxd3 4. Ne2#

#### 77. Mate - Mating patterns (mix): F

- 1) 1. ... Rh2+ 2. Kxh2 Qh7+ 3. Kg2 Qh3#
- 2) 1. ... Nf3+ 2. gxf3 Rd5+ 3. Kc1 Rxe1#
- 3) 1. Qh5+ Kg7 2. Qh7+ Kf8 3. Qxf7#
- 4) 1. Bg6+ Kxc6 2. Rg4+ Kf7 3. Rxc7#
- 5) 1. Qa6+ Nxa6 2. Bxb7+ Ka7 3. Nc6#
- 6) 1. Nc7+ Qxc7 2. Qxf7+ Bxf7 3. Bxf7#
- 7) 1. Bc6+ Bd7 2. Rxe6+ fxe6 3. Qxf8#
- 8) 1. Rd8+ Rxd8 2. Rxd8+ Kxd8 3. Qg8+ Re8 4. Qxe8#
- 9) 1. Rxd5+ cxd5 2. Nd3+ exd3 3. f4#
- 10) 1. ... Bf2 2. Bxf2 Qe4+ 3. Qg2 Qxc2#
- 11) 1. ... Nf3+ 2. gxf3 Rh1+ 3. Kxh1 Qxf3+
- 12) 1. ... Qxc2+ 2. Kxc2 Nh3+ 3. Rf2 Rxf2+ 4. Kxh3 Rxh2#

#### 78. Double attack - Mix: A

- 1) 1. ... R8xb3 2. axb3 Rxd2 3. Rxd2 Bxe3+
- 2) 1. Rb5+ Ka4 2. Rxb4+ cxb4 3. Qxa7+
- 3) 1. Bxf7+ Kxf7 2. Rxc7+ Qxc7 3. Qh7+
- 4) 1. dxe5 Qxe5 2. Qxh8+ Kxh8 3. Bxf6+
- 5) 1. ... Rxc4+ 2. Qxc4 Qf3+ 3. Qxf3 exf3+ 4. Kh3 fxe2
- 6) 1. Bxc7+ Kxc7 2. Rxe7+ Qxe7 3. Qxa7+
- 7) 1. ... Nfxe4 2. dxe4 Rxb1 3. Rxb1 Bxe4+ 4. f3 Bxb1
- 8) 1. ... Nxe3 2. Kxe3 Rxb3+ 3. Kf2 e3+
- 9) 1. Nxc6+ Bxc6 2. Ba3+ Ke6 3. Rxf8
- 10) 1. ... f3 2. gxf3 Rxa7 3. Rxa7 Be3+ 4. Kh2 Bxa7
- 11) 1. Ra8+ Rb8 2. Qe8+ Rxe8 3. Rxe8+ Rxe8 4. Rxe8#
- 12) 1. Ra8 Qh7 2. Bg6

#### 79. Double attack - Mix: B

- 1) 1. ... Qxd2 2. Qxd2 Nf3+ 3. Kh1 Nxd2
- 2) 1. ... Nef4+ 2. gxf4 Nxf4+ 3. Kf2 Nh3+
- 3) 1. Rxe8+ Kxe8 2. Qb8+ Qd8 3. Qxa7
- 4) 1. Nd5 Qxb3 2. axb3 Kd8 3. Nb6
- 5) 1. Rh4 Qd7 2. Rxh7+ Kxh7 3. Qh4#

- 6) 1. Rxf6 gxf6 2. Qxd7+ Kxd7 3. dxc5+
- 7) 1. Bh5+ g6 2. Rxe8 Kxe8 3. Nf6+
- 8) 1. Qxf6 Qxe4 2. Qxf7+ Rxf7 3. exf7+ Kxf7 4. Bxe4
- 9) 1. Nd5
- 10) 1. e5 dxe5 2. fxe5 Bxe2 3. exf6+ exf6 4. Nxe2
- 11) 1. Bxf6 Bxf6 2. Bg4 Qd6 3. Nxf6+ (3. Bxd7 Nxd5) 3. ... Qxf6 4. Bxd7
- 12) 1. ... Qc8 2. Nc1 Qg4

**80. Eliminating of the defender - Luring/chasing away+mate: B**

- 1) 1. Qc5 Bc5 2. Rd8+ Qg8 3. Rxg8#
- 2) 1. Rd1 Qe7 2. Bxe6+ Qxe6 3. Rxd8+
- 3) 1. ... Qxe4 2. Qxe4 Ng3+ 3. hxxg3 Rh5#
- 4) 1. ... Rxd4 2. cxd4 Bb4 3. Qf2 Qxf2+
- 5) Drawing
- 6) 1. Rxe3 Rxe3 2. h4
- 7) 1. Rd7 Qxd7 2. h6+ Kh8 3. Qxf6+
- 8) 1. Bb8 Qb7 2. Bxa6 Qxa6 3. Qc7#
- 9) 1. ... Bh4 2. g3 Bxxg3 3. hxxg3 Rh5+
- 10) 1. Rd8 Qb1+ 2. Kh2 Bxd8 3. Qg4+ Kh8 4. Nxf7#
- 11) 1. Rg5 Qxf6 2. Qd4 Qxd4 3. Nxf7#
- 12) 1. ... Qc4+ 2. Bxc4 Rxh2

**81. Eliminating of the defender – Luring/chasing away+material: A**

- 1) 1. dxe5 Qxe5 2. Nxd6 cxd6 3. Qxf4
- 2) 1. ... Bxc3 2. bxc3 g5 3. Nh3 Rxe2
- 3) 1. ... Nf3+ 2. Kh1 Nxd4 3. Qxc6+ Nxc6
- 4) 1. Rxc7+ Rxc7 2. Nb6+ Kb8 3. Qxd8+
- 5) 1. Ne5+ fxe5 2. Rfd1+ Ke7 3. Rxc8
- 6) 1. ... Qe8 2. Rd4 Bxf4+ 3. Qxf4 Qxe2
- 7) 1. Bxxg7+ Rxxg7 2. Re8+ Bxe8 3. Qxd5
- 8) 1. ... Nxc3 2. bxc3 Bxf3 3. Qxf3 Qxxg5
- 9) 1. ... dxc4 2. Qxc4 Be6 3. Qc5 Qxd3
- 10) 1. Qd4 Qxd4 2. cxd4 N5c6 3. Nxc7+
- 11) ... Rxe3+ 2. Kxe3 Bxd4+
- 12) 1. ... b3 2. Bxb3 Bxe4 3. Qxe4 Rxb3

**82. Eliminating of the defender - Mix: A**

- 1) 1. g4 Bg6 2. Nxxg6 Rxxg6 3. Qxe4
- 2) 1. Nh5 Qxd3 2. Nxf6+ Kg7 3. cxd3
- 3) 1. ... Rxf3 2. exf3 Qxxh2+ 3. Kxxh2 Rh5#
- 4) 1. ... Bd3 2. Bxd3 Qxd6
- 5) 1. ... Rd1+ 2. Kxd1 Nxc3+ 3. Kc2 Qxb4
- 6) 1. ... Qh6 2. Qxe4 dxe4 3. Bxxh6 Nf2#
- 7) 1. ... Qxe4 2. Qxe4 Ng3+ 3. hxxg3 hxxg3#
- 8) 1. ... Rg3 2. Qxxg3 Bh4 3. Qxxh4 Qe3+
- 9) 1. ... Ne1+ 2. Rxe1 Rh2+ 3. Kxxh2 Qxf2+ 4. Kh1 Rh8#
- 10) 1. Nf5 Qg5 2. Qg3 Qxxg3 3. Ne7+ Kh8 4. Rxd8
- 11) 1. c5 Nxa4 (1. ... Nd7) 2. Na2
- 12) 1. ... Re8! 2. Bxxg7 (2. Qxe8 Qh3+ 3. Ke2 Qd3# ; 2. Be7 Rxe7) 2. ... Qh1+ 3. Ke2 Rxe6+

**83. Test - Mix: A**

- 1) 1. Nc4+ (1. Re6 Nd5) 1. ... Ka6 2. Re6 (2. b5+ cxb5 3. Re6+ b6 4. axb5+ Kxb5 5. Nd6+ Rxd6 6. Rxd6 Ne4) 2. ... Ng4 3. b5#
- 2) 1. Qd8+ (1. Rxb4? Qe1+) 1. ... Kg7 2. Qc7+ Kh6 (2. ... Kf6 3. Qf4+ Kg7 4. Rxb4) 3. Qc1 g5 4. Rxb4 (*Bareev-Kramnik, Novgorod 1994*)
- 3) 1. Rxd6 Rxd6 2. Qc8+ Nxc8 3. Re8#
- 4) 1. Rf8++ Kg7 2. Qg8+ Rxxg8 3. Rf7+ Kh6 4. Rxh7#
- 5) 1. Bd4! Rxd4 2. e4+ Rxe4 (2. ... fxe3 3. Rxd4) 3. fxe4+ Kxxg4 4. exd5
- 6) 1. ... b3 2. Qc4 Nb4
- 7) Drawing
- 8) 1. ... Rxa7 2. Qxa7 Bf8 3. Kh1 Bc5
- 9) 1. ... Nf3+ 2. gxf3 Rxd2 3. Rxd2 Qg5+
- 10) 1. Nh6+ gxxh6 2. Rd8+ Rxd8 3. Rxd8+ Be8 (3. ... Rf8 4. Qh8+ Kf7 5. Qg7#) 4. Qh8+ Kf7 5. Qg7#

(*Collas-Babault, Mulhouse 2011*)

- 11) 1. Rh8 Bg5 2. Rh7+ Kxg6 3. Rxb7  
 12) 1. Nxc5+ hxg5 2. Qxc5 Ne8 3. Rd6

**84. Test - Mix: B**

- 1) 1. h5 Bxh5 2. Re4 (2. Rd6 Qg4)  
 2) 1. Rxe5 Qxc3 2. Rxe8  
 3) 1. Qa1 f6 2. Rd6  
 4) 1. Rh8! Rxh8 (1. ... Bxh8 2. Qa7) 2. Qa7  
 5) 1. Rxf7 Qxf7 2. Rxc6+ Kf8 3. Qd6+ Qe7 4. Rf6+  
 6) 1. Rd7 Bxd7 2. Bxh7+ Nxh7 3. Qxf7+ Kh8 4. Ng6#  
 7) 1. ... Rb4 (the threats are Ba6, d5, Rxc4) 2. c3 Rxc4+ 3. Kxc4 Ba6+  
 8) 1. Rxf7 Rxf7 2. Rc8+ Bf8 3. Rxf8+ Kxf8 4. Qd8#  
 9) 1. Nd6 d2 2. Kf8 d1Q 3. Nf7+ Kh7 4. Ng5+ Kh8 5. Nf7+  
 10) 1. Ba6 (1. Nxc7 Bf6) 1. ... Qxa6 2. Qg4 g6 3. Nh6#  
 11) 1. Ba6 Nf6 (1. ... Qd7 2. Qf3+) 2. Bxc8 Nxc4 3. Bxe6+  
 12) 1. Bxc6 Qxc6 (1. ... hxg6 2. Rxf8+ Kxf8 3. Qh8#) 2. Rxf8+ Kxf8 3. Re8+ Kxe8

**85. Test - Mix: C**

- 1) 1. Rxc6 (1. Bc4+ Kh8) 1. ... bxc6 2. Bc4+ Rf7 (2. ... Kh8 3. Qxe5+) 3. Nh6+  
 2) 1. ... Rh5+ 2. Kg1 Be3+ 3. Rxe3 Rh1+ 4. Kxh1 Rxf1#  
 3) 1. Nb5 (1. Be3 Qa8 2. Nb5 Rc8 3. Nc7+ Rxc7 4. Qxc7 Bxc2) 1. ... axb5 2. axb5 Ba6 3. Be3  
 4) 1. ... Nxc3 (1. ... Nxc3) 2. gxf3 Qxc3+ 3. Rxc3 Rxc3+ 4. Kxc3 Nxc3+  
 5) 1. ... h5 2. gxf3 Qxf3 3. g4 Qf2  
 6) 1. Rf5 Rh8 (1. ... Kxd6 2. Rxf6 Bxf6 3. g7 ; 1. ... exf5 2. Rxf6 Kxf6 3. e5+) 2. Rxf6 Rxh7 3. Rf7+ Kxd6 4. gxf7  
 7) 1. d7+ Bxd7 2. Red2 Rc7 3. Bb6

- 8) 1. Re6+ Rxe6 2. Qa6+ Kd5 3. Qc4+ Ke5 4. Qc3+  
 9) 1. Nd6+ Qxd6 2. Re7+ Qxe7 3. Qc7+ Ka6 4. Qxb6+ Kxb6 stalemate  
 10) 1. Bc3 f5 2. Kd4 f4 3. Kc4 f3 4. Kb4 f2 5. Ka3 f1Q 6. Bxb2#  
 11) 1. ... Nf3 2. Qd1 Qxc3 3. Qg1 Qxh2+ 4. Qxh2 Nxf2#  
 12) 1. ... Qe8 2. Nb6 Bb5

**86. Test - Mix: D**

- 1) 1. Qe7 Rf7 2. Qe8+ Rf8 3. Rxh7+ Kxh7 4. Qg6+ Kh8 5. Qg7#  
 2) 1. ... Rxc2+ 2. Kxc2 Qb2+ 3. Kd3 Nc5+ 4. Kc4 Qb3#  
 3) 1. R1e3 Qxh3 2. Qh7+ Kxh7 3. Be6+ Kg6 4. Bxh3 Bxe3 5. Rxe3  
 4) 1. Bxf7+ Bxf7 2. Re5 Bg6 3. Rxe2  
 5) 1. ... Qxd4 2. Bxd4 Nf3+ 3. Kf1 Bb5+  
 6) 1. Qb8 Kd8 2. Be3  
 7) 1. ... Rxa2 2. Qxa2 Qh5+ 3. Rh3 Qe5+ 4. Kh1 Qe1+ 5. Kh2 Qg1#  
 8) 1. ... Nxd4 2. Bxd4 Qa5+ 3. Nc3 Qxc3+ 4. Bxc3 Bxc3+ 5. Qd2 Bxd2+ 6. Kxd2  
 9) 1. Bxc6 Kxc6 2. Nh4+ Kg7 3. Rg3+  
 10) 1. Qh3 Kxf7 2. Qh7+ Ke8 3. Qg8+ Kd7 4. Qxb8  
 11) 1. Qf8+ Qg7 2. Rh5+ gxf5 3. Qd6+ Qg6 4. Qf8+  
 12) 1. Rf6 Qxf6 2. Qxe2

**87. Test - Mix: E**

- 1) Drawing  
 2) 1. Rxe5+ (1. fxe5 Kxc5+ 2. exf6 dxe3) 1. ... dxe5 2. Re7 exf4 3. gxf4 Re6 4. Rf7+  
 3) 1. ... Qxc2+ 2. Nxc2 Ne2+ 3. Kh2 g3+ 4. Kh1 Rf1#  
 4) 1. ... Bh2+ 2. Kf1 Nxf2 3. Kxf2 Qg3+ 4. Kf1 Qxc3  
 5) 1. Qxf6 gxf6 2. Bh6  
 6) 1. Bg6 Ne7 (1. ... fxc6 2. Nxc6+ Kh7

3. Nxf8++ Kh8 4. Qh7# ; 1. ... Re7 2. Bxf7 g6 3. Qxg6) 2. Bxf7 Rd8 3. Ne6
- 7) 1. Bxc4 (1. Qxc4 Qxc4 2. Bxc4 Rxc4 3. Rxd5) 1. ... Qxc4 2. Qxc4 Rxc4 3. Rxd5
- 8) 1. ... Qh3+ (or first 1. ... Rc4) 2. Kg1 Rc4
- 9) 1. Bxg6 hxc6 2. Rh8+ Kxh8 3. Nf7+
- 10) 1. Re8+ Rxe8 2. Qxd5+ Kh7 3. Qxh5+
- 11) 1. Qxd7 Rxd7 2. Re8+ Kh7 3. Rcc8
- 12) 1. Ne5 Qxe7 2. Ng6+ hxc6 3. Rh3+

### 88. Test - Mix: F

- 1) 1. ... Qa1+ 2. Qc1 Rd1+ 3. Qxd1 Qxd1+ 4. Bxd1 Rf1#
- 2) 1. Rh6+ Kxh6 (1. ... Kg8 2. Re8+ Kf7 3. Qc7+ Kxe8 4. Rh8#) 2. Qg5+ Kh7 3. Qxf5+ Kh6 4. Re6+
- 3) 1. Nd7 Nxd7 (1. ... Qd6 2. Nxf6+ Nxf6 3. Bxf6) 2. Qxh5 gxc5 3. Bxh7#
- 4) 1. Qh7+ Kf8 2. Qh8+ Ke7 3. Nf5+ exf5 4. Bc5#
- 5) 1. Qh6+ Kg8 2. Qxg7+ Qxg7 3. gxf3
- 6) 1. Nd5 Nxd5 2. Qxc7 Nxc7 3. Bxe7
- 7) 1. Rd3 Qe5+ 2. g3+ Kh5 3. Bd1+ Qe2+ 4. Bxe2# (*Anand-Short, Dortmund 1997*)
- 8) 1. Bh6 gxc6 (1. ... d5 2. Qg4 Bg6 3. Bxg7+ Kg8 4. Bxf8) 2. Qxh6
- 9) 1. Ne5 Nxe5 2. Rc8+ Bd8 3. Bc5
- 10) 1. ... Ng3+ 2. hxc3 Qh5+
- 11) 1. Rxd4 exd4 2. Bxd4 Qxd4 3. Nxf5+
- 12) 1. Qa4 Nc7 2. Qa1+

### 89. Test - Mix: G

- 1) 1. ... Bg2+ 2. Rxg2 Qf1+ 3. Rg1 Ng3+ 4. hxc3 Qh3#
- 2) 1. Re2 Rf8 2. Re5+
- 3) 1. Qd7 Bxd7 2. e8Q+ Bxe8 stalemate
- 4) 1. d5 Bf5 (1. ... Nxd5 2. Rad1) 2. d6 Qxd6 3. Rad1 Bd3 4. Be2 (*Kharlov-Guliev, Cheliabinsk 1991*)
- 5) 1. Nd5 Qd8 (1. ... Qb8 2. Ne7+ ; 1. ...

- exd5 2. Qxd5+ Kh8 3. Qxd4) 2. e5
- 6) 1. Rc7 Bxc7 2. dxc7 Rxc7 3. Nd5+
- 7) 1. Rd6+ Qxd6 2. Bg5+ Ke5 3. Bf4+ Kf6 4. e5+ Qxe5 5. Bg5#
- 8) 1. Rf5 Kg8 2. Rf8+ Rxf8 3. Qxg6
- 9) 1. Nc7+ Ke7 2. Rxd8 Rxd8 3. Rxd8 Kxd8 4. Ne6+
- 10) 1. ... Qxd2 2. Rxd2 Bb4 3. Rdd1 Rc2
- 11) 1. ... Bb2+ 2. Kc2 Qc4+ 3. Kxb2 Qb4+ 4. Kc2 Qd2#
- 12) 1. Bc6 Nb6 2. Bb4

### 90. Test - Mix: H

- 1) 1. Ba6 Rcd8 2. Bb5
- 2) 1. Nxd5 Bxd5 2. Bc3 Qc5 3. Qxe5 Bf6 4. Rxd5
- 3) 1. ... Bxd4 2. exd4 Nf3+ 3. gxf3 Bxf3
- 4) Drawing
- 5) 1. Bh3 Nb6 2. Nxc8
- 6) 1. ... Rd7 2. Qxd7 Nxf3+ 3. Nxf3 Qxd7
- 7) 1. Bxf6+ Rxf6 2. Qg5+ Rg6 3. Re7+! Kf8 4. Rxd7 (*Vachier Lagrave-Ngyuen Warsaw 2010*)
- 8) 1. Rf3 Rd8 2. Qe7 (2. Qe5)
- 9) 1. Qxg7+ Ke8 2. Qxe7+ Kxe7 3. Rg7+ Ke8 4. Nf6#
- 10) 1. Nf6+ Kh8 2. Ne8
- 11) 1. ... Rf2 2. Qh1 Rxf1+ 3. Kxf1 Qd1+ 4. Kg2 Qf3+ 5. Kh3 g2+ 6. Kh2 gxc3
- 12) 1. ... Rxd7 2. Rxd7 Rb8 3. h3 Rb1+ 4. Kh2 Ng3

### 91. Test - Mix: I

- 1) 1. Ng6+ (1. Qd8+ Kg7 2. f6+ Bxf6) 1. ... hxc6 2. Qd8+ Kg7 3. Rxg6+ Kh7 4. Qg8#
- 2) 1. Bh6 f5 2. Bg7
- 3) 1. Rf4+ Bf6 2. Rxf6+ Qxf6 3. Bh6+ Ke8 4. Re1+ Kd8 5. Qxc5 d6 6. Qxa5+
- 4) 1. Qxc8+ Bxc8 2. exd3 Qxf3+ 3. Bg2 Qxg2+ 4. Kxg2 (*Uhlmann-Paetz, Halle 1984*)

- 5) 1. ... Nf3+ 2. Qxf3 Qe1+ 3. Qf1 Bb6+ 4. Kh1 Qxf1#
- 6) 1. g4 Nf6 2. Nh3
- 7) 1. Rxf6 gxf6 2. Qg3+
- 8) 1. ... Qg1+ 2. Kxg1 Bc5+ 3. Kh1 Nf2+ 4. Kg1 Nxe4+ 5. Kh1 Nf2+ 6. Kg1 Nxd1+
- 9) 1. ... g5 2. Bg3 g4
- 10) 1. Qc2+ dxc2 2. d4+ Kxd4 3. Bc3+
- 11) 1. Qc8+ Kg7 2. Qxe6 Rd5 3. Qe3 (3. h4 Rd4)
- 12) 1. ... Qxa1 2. Qxa1 a3

## 92. Test - Mix: J

- 1) 1. ... Qxf2+! 2. Kxf2 (2. Qxf2 Rxc1+ 3. Qe1 Rxe1+ 4. Kf2 Rf1+) 2. ... Rxb2+ 3. Kf3 Rxc1 (*Seirawan-Lobron, Amsterdam 1983*)
- 2) 1. Qf6 gxf6 2. exf6 Kg8 3. Rah1
- 3) 1. ... Rh2+ 2. Kxh2 Rxh4+ 3. gxh4 Qxh4+ 4. Rh3 Qf2+ 5. Rg2 Qxg2#
- 4) 1. ... Qxe3 2. fxe3 Bg3
- 5) 1. ... Nf3+ 2. gxf3 Rxc1+ 3. Qxc1 Qh2+ 4. Kf1 Qxf2#
- 6) 1. Nf5 gxf5 2. Qxf5 Kg7 3. Qh7+ Kf6 4. Qxh6+ Ke7 5. Qg5+ f6 6. Qg7+ Ke8 7. e7
- 7) 1. ... Qxb2+ 2. Kxb2 Rb5+ 3. Rb3 Rxb3+ 4. Ka2 Ra3+
- 8) 1. e5 fxe5 2. Bg5+ Nf6 3. Ne4 Rhf8 4. f4 exf4 5. Re1
- 9) 1. Rxf6 Bxf6 2. Qf3
- 10) 1. ... Rh8 2. Qg2 Qxd1+ 3. Bxd1 Re1+ 4. Qf1 Rh1+
- 11) 1. Qa8 Rxa8 2. Nxe7+ Kf7 3. Nxc8
- 12) 1. Rxf7 Qxe5 2. h7+ Kxf7 3. dxe5 Rxd1+ 4. Kf2

## 93. Test - Mix: K

- 1) 1. ... Qh3+ 2. Kxh3 (2. Kh1 g2#) 2. ... Ng5+ 3. Kg2 Nh4+ 4. Kh1 g2# (*Ftacnik-Cvitan, GER BL 1997*)
- 2) 1. Nd3 Qxb3 2. Nc5 Qb5 3. Rab1 Qa5

4. Qxa5 Rxa5 5. Rxb6
- 3) 1. Rxe6 Qxe6 2. Qg4 Qd7 3. Nh6+
- 4) 1. Bxg6 hxg6 2. Qh8+ Kf7 3. Qxe5
- 5) 1. ... Qxe4 2. Qxe4 Nhx3+
- 6) 1. Bg5 hxg5 2. Bxe4 Bxe4 3. Nxc5+
- 7) 1. ... Qa4 2. Bd3 Bxd3 3. Qxd3 Nxd3+
- 8) 1. ... Rh1+ 2. Kxh1 Qh7+
- 9) 1. ... Rd3 2. Qb2 Qf3+
- 10) 1. Qd4 Qf4 2. Qe3+ Qxe3 stalemate
- 11) 1. Bxf7 Rxf7 2. Ng6+ Kg8 3. Nxe5
- 12) 1. Nxf7 Rxf7 2. Qb3 Qf8 3. Bxf7+

## 94. Test - Mix: L

- 1) 1. Bg5 hxg5 2. hxg5 Nf4 3. gxf6 Nxe2 4. fxe7 Nc1 5. Kd2
- 2) 1. ... Bxe3 2. Nf6+ Kg6 3. Nxd7 Bxc1 (0-1) 4. b7 Bf4 5. gxf4 c2 6. b8Q c1Q+ (*Suttles-Murey, Sukhumi 1972*)
- 3) 1. Bf5 Qxf5 2. Qe7 Qg6 3. Qe6+
- 4) 1. h6 Rg8 2. Rc8 Rxc5 (2. ... Qxc8 3. Bxf6+ Nxf6 4. Qxf6+ Rg7 5. Qxg7#)
3. Rxd8+ Rg8 (3. ... Nf8 4. Rxf8+ Rg8 5. Bxf6#) 4. Rxd7 (*Gunze-Schwalbe FRG 1966*)
- 5) 1. ... Bh3 2. Bxh3 Qxf3+ 3. Kg1 Bh6
- 6) 1. ... Rxh2+ 2. Qxh2 Bf3+
- 7) 1. Qxg6 hxg6 2. Rxf8+ Kxf8 3. Ne6+
- 8) 1. ... Rh5+ 2. Kxh5 Qh3+ 3. Qh4 Qf5+ 4. Kh6 Qg6#
- 9) 1. Be7+ Kh6 2. Rxh7+ Kxh7 3. Bf8+
- 10) 1. ... Rf1+ 2. Kxf1 Qc4+ 3. Kf2 Qd4+ 1/2-1/2
- 11) 1. ... Nxe5 2. fxe5 Qxc4+ 3. Kf2 Be1+
- 12) 1. Rxf7 (1. g6 hxg6 2. Ng5 Nf6 3. Nxf7 Nxd7=) 1. ... Rxf7 2. Rd7 Rf8 3. Rxf7 Rxf7 4. g6

## 95. Test - Mix: M

- 1) 1. Bh7 Qd1 2. Kxg4 (*Anand-Khalifman, Linares 2000*)
- 2) 1. Bb6 Bxb6 2. Ne7+ Kd7 3. Kxb5 Bd4 4. Rc1
- 3) 1. Ra6 Qxa6 2. Nc7+

- 4) 1. ... Nd1 2. Bxd1 (2. Qb3 Qxc3) 2. ... Qxc3 3. Kf1 Qxc2 (*Schmidt-Abramovic, Nis 1983*)
- 5) 1. Ra1 Qxa1 2. Ne4+ Ke8 3. Nd6#
- 6) 1. Be1+ Kc5 2. Bf2+ Kd6 3. Bg3+ Ke7 4. Bh4+
- 7) 1. Rxe5 dxe5 2. Bc4+ Kh8 3. Ng6+ hxc6 4. Rh1+
- 8) 1. ... Ne2+ 2. Kg2 Bh3+ 3. Nxb3 Qg3+ 4. Kh1 Qxb3#
- 9) 1. ... Nxb4 2. axb4 Rxc3
- 10) Drawing
- 11) 1. ... Bc2 2. Qxc2 Nxe3 3. Qxc6 Nxd1
- 12) 1. c7 Qxc7 2. Qe1+ Kg5 3. h4+ Kh5 4. Qe6 (*Krasenkow-Svidler, Polanica Zdroj 2000*)

#### 96. Test - Mix: N

- 1) 1. ... Rd1+ 2. Kg2 Rg1+ 3. Kxg1 Nf3+
- 2) 1. Rxb7+ Bxb7 (1. ... Kc8 2. Ne4+ ; 1. ... Ka8 2. Rxa7+ Kxa7 3. Qa5+ Kb8 4. Na6+) 2. d5 Qxd5 (2. ... Rd7 3. Nxd7+ Ka8 4. Qa4) 3. Na6+ Ka8 4. Nc7+ Kb8 5. Nxd5
- 3) 1. Ng6+ Kg8 2. Qg7+ Rxc7 3. Nh6#
- 4) 1. e5 dxe5 2. Qxd8+ Kxd8 3. Ne4
- 5) 1. Re8+ Bxe8 2. Ne7+ Kf8 3. Ng6+ hxc6 stalemate
- 6) 1. Rxc6 Bd4+ 2. Bf7
- 7) 1. ... Nd6 2. Rxf8 Ne4
- 8) 1. Qh6 Nxb3 2. Nfg5 Bxc5 3. hxc5
- 9) 1. ... e1N 2. Qc4+ Qe2 3. Qf4+ Nf3+
- 10) 1. Qa8 Rxa8 2. fxe7
- 11) 1. Ra3 Nxd3 (1. ... Nb3 2. bxa6 ; 1. ... Rxa3 2. Qxc5 Rb8 3. Qxa3) 2. Qh4
- 12) 1. Qf3 Qxf3 2. gxf3 Rxf1+ 3. Kg2

#### 97. Test - Mix: O

- 1) 1. Bf7+ Ke7 2. Qxf6+ (2. Qd5 h6 3. Bg6 Ne5 4. b3 hxc5 5. Qxe5+ dxe5 6. Ba3+ Ke6 7. exf5#) 2. ... Kxf6 3. Nd5+ Ke5 4. Nf3+ Kxe4 5. Nc3#
- 2) 1. ... f4 2. Qg4 h5 3. Qh4 Rxd4

(*Erwich, M-Struik, Leiden 2000*)

- 3) 1. Bh3 c6 2. Bxf6
- 4) 1. ... Re2 2. Qc1 Bb2 3. Qf1 Qxe3
- 5) 1. Bb6 Qb8 2. Qa4+ Kc8 3. Qg4#
- 6) 1. Ne7+ Bxe7 2. Rc5+ Bxc5 3. Be4+ Nxe4 4. d5#
- 7) 1. ... Qe3 2. Qg3 Qxc5
- 8) 1. Re1+ Kd3 2. Rxe4 Kxe4 3. b7
- 9) 1. ... Bxc2 2. Nxc2 Re1+ 3. Rxe1 Rxe1+ 4. Nxe1 Qxb3
- 10) 1. ... f5 2. exf5 h5 3. Qf3 h4
- 11) 1. Nf5 exf5 2. Rxf6
- 12) 1. Rb1 Qxa7 (1. ... Qxb1 2. a8Q+ Kd7 3. Qd8+ Kc6 4. Qc8+) 2. Re1+ Kd7 3. Re7+

#### 98. Test - Mix: P

- 1) 1. d8B!! (1. d8Q Bxc7 2. Qxc8 Rxc8# ; 1. c8Q Bc7) 1. ... Ba7! 2. c8B+! Kb5! 3. Ba6+! Kxa6 stalemate (*Afek, 1987*)
- 2) 1. ... Bc4 2. Nc1 Nxe2+ 3. Nxe2 Qxd1 4. Rxd1 Bxe2
- 3) 1. dxe6 Qxd1 2. e7 Qxc2 3. exd8Q+
- 4) 1. f3 Qxc5 2. h4 Qh5 3. Ng7+
- 5) 1. Rd8 Rxe3+ (1. ... Rxd8 2. Rxc7+ Kf8 3. Qxd8+ Kxc7 4. Qf6+ Kg8 5. Qf7+ Kh8 6. Qh7#) 2. Kf2 Rf3+ 3. Kg2 (*Radjabov-Zvjaginsev, Moscow 2002*)
- 6) 1. ... h4 2. g3 h3
- 7) 1. ... Rd5 (1. ... Qf2 2. Bxa6 Rd5 3. Rf1=) 2. Rxd5 Qf2
- 8) 1. ... Rd3+ 2. Rxd3 Qh6+ 3. Kg2 f3+
- 9) Drawing
- 10) 1. Nxb5 cxb5 2. Bb4 Qa6 3. Nc5
- 11) 1. Rxc7+ Kxc7 2. Rg1+ Kh8 (2. ... Kh7 3. Ng4 f5 4. Qxh6+ Kg8 5. Nf6+ Kf7 6. Rg7#) 3. Nd5 (3. Ng4 f5 ; 3. Nf5? f6)
- 12) Drawing

#### 99. Test - Mix: Q

- 1) 1. ... Qxc2+ 2. Nxc2 Nf3+ 3. Kf1

- Nxh2+ 4. Ke1 Nf3+ 5. Kf1 Rh1#
- 2) 1. Rb8+ Kg7 2. Rg8+ Kxg8 3. Ne7+ Kf8 4. Nxc6
  - 3) 1. Rf5+ Rxf5 2. Qe8+
  - 4) 1. f5 gxf5 2. Re6
  - 5) 1. c5 Bxb2 2. Ra2 (2. Rf3)
  - 6) 1. Nd7 Qxd7 (1. ... Nfe8 2. Bxg7 Nxg7 3. Nf6+ Kh8 4. Rh3) 2. Rxg7+ Kh8 3. Bxf6 Ne8 4. Rg8+ (*Lovric-Sinanovic, Pula 1998*)
  - 7) 1. Ne5 Qxc2 2. Nxg4+ Kh5 3. Nxf6+ Kh6
  - 8) 1. ... Qxd4 2. Qxd4 Ng3+ 3. Kg1 Ne2+ 4. Kh1 Nxd4
  - 9) 1. ... Rxe7 2. Qxe7 Bxb2+ 3. Kxb2 Qc2+ 4. Ka1 Qc3#
  - 10) 1. e8R (1. e8Q? d2+ 2. Kd1 Bg4) 1. ... d2+ (1. ... dxc2 2. Re3+ Kxe3 stalemate) 2. Kd1 Kf4 (2. ... Bg4 3. Re2 Kf4\$) 3. Re2 (3. Rf8+? Bf5 4. Ke2 Kg5 5. Rg8+ Kh4 6. Rh8+ Kg3) (*Van Test 1977*)
  - 11) 1. Rg5 Qxh4 2. Rg4
  - 12) 1. Bd3+ Kh6 2. g5+ Kxg5 3. Bc1#

#### 100. Test - Mix: R

- 1) 1. Bh3 Rc7 2. Bxc5
- 2) 1. Nd2 Qg5 2. Qc5+ Kg8 3. Nxe4
- 3) 1. ... Qxg5 2. Qxg5 Nxe2+ 3. Kh1 Nxf2+ 4. Rxf2 Rd1+
- 4) 1. ... Qxh2+ 2. Kxh2 Rh6+ 3. Bh3 g4 4. Kg1 Rxh3
- 5) 1. Ne6 Ka5 2. Nd4 Rc1! (2. ... Rd1 3. Nc6+ Ka6 4. Nb4+ (4. Kc7 Rd7+) 4. ... Ka5 5. Kc7 Rc1+ 6. Nc6+ Ka6 7. Rb6#) 3. Ka7! Rc5 4. Rb5+ Rxb5 5. Nc6# (*Gorgiev 1963*)
- 6) 1. ... Bxf2+ 2. Kxf2 Rxd2 3. Qxd2
- 7) 1. Nxc6 bxc6 2. Ba6 Ra8 3. Bb7
- 8) 1. Qd8 Kf7 2. Qxd7 Rxa8 3. Qe6+ Ke8 4. Qg8+
- 9) 1. Nxe7 Nxe7 2. Qxf6+ Kxf6 3. Bd4+ Kg5 4. Be3+ Kf6 5. Bd4+ ½-½

- 10) 1. Bc4 Bxc4 (1. ... Kh7 2. Bxe6) 2. Qxg4+ Kh7 (2. ... Kf7 3. Qh5+) 3. Qf5+ Kg8 4. Qg6+ (*Blackburne-Philip ENG 1875*)
- 11) 1. ... Re1+ 2. Nxe1 Qf1+ 3. Kh2 Be5+ 4. g3 Qxh3+ 5. Kg1 Bd4+
- 12) 1. Nf3 Rg2+ 2. Kh1

#### 101. Test - Mix: S

- 1) 1. Rc4 Qxe1 (1. ... Qxe5+ 2. Nxe5 bxc4 3. Bxc4 1-0) 2. Qh6+ Kg8 3. Nf6# (*Lukianenko-Iljina Moscow 1997*)
- 2) 1. Be5+ fxe5 2. bxa7+ Ka8 3. Qxh6
- 3) 1. Nc6 Bxc6 2. Rxe7+ Qxe7 3. Qxc6+
- 4) 1. ... Rxh3 2. gxh3 Rxd2 3. Rxd2 Nxf3+ 4. Kf1 Nxd2+
- 5) 1. Ne7+ Rxe7 2. Qc8+ Nf8 3. Qxf8+ Kxf8 4. Rh8#
- 6) 1. d8B! Qf2 2. Bc7+ Kxd4 3. Bb6+ (*Bazlov 2000*)
- 7) 1. Rxd4 exd4 2. Bf5+ g6 3. Be6
- 8) 1. Bxe4 Rxf1 2. Bf5 Re1 3. Be6+
- 9) 1. Qg6 Qe8 2. Qxe8 Rxe8 3. g4
- 10) 1. ... Qe2 2. Rdx2 (2. Nf6+ Rxf6 3. exf6 Qxd2) 2. ... Nxe2+ 3. Kh1 Rf1+
- 11) 1. Rxg7+ Kxg7 2. Bd4+ Kg8 3. Qe6+ Kh7 4. Qf7+
- 12) 1. ... Qd6+ (1. ... Qe5+ 2. Kg1) 2. Rxd6 Rxg2+ 3. Kh1 Rxa2+ 4. Kg1 Rxa1+ 5. Kf2 cxd6 (*Kohler-Erny, Bâle 1957*)

#### 102. Test - Mix: T

- 1) 1. R7d6 Qf5 2. g4 Qf4 3. Qd3+
- 2) 1. ... Nh3+ 2. gxh3 Qf2+ 3. Kh1 Qf1+ 4. Kh2 Rf2+ 5. Kg3 Qg1+ 6. Bg2 Qxg2+ 7. Kh4 Qg5#
- 3) 1. Rh7+ Bxh7 2. Ng4+ Kg8 3. Nh6#
- 4) 1. Qxe6 fxe6 2. Rxh7 Kxh7 3. Rh1
- 5) Drawing
- 6) 1. Nf6+ Kg7 2. Qxf8+ Kxf8 (1-0) 3. Nxb7+ Kg7 4. Nxg5 (*Aronian-Beshukov, Hastings 2000*)
- 7) 1. ... Rd1 2. Qxd1 Qf3+ 3. Kg1 Bd4+

- 8) 1. ... Qg4+ 2. Rxc4 Rxc2+ 3. Kxh2 Nxc4+
- 9) 1. ... Rh1+ 2. Kg3 Rxc3+ 3. Kg4 Rh4+ 4. Kg3 Rh3+
- 10) 1. Nf4 Qh4 2. Qd4+
- 11) 1. Ba3 bxa3 2. Qf3 Rf8 3. Qxa3+
- 12) 1. Qb6 Rxf3 (1. ... Rf7 2. Rxc7+ Rxc7 3. Qd8+) 2. Rxc7+ Kxc7 3. Qg6+ Kh8 4. Qg7#

### 103. Test - Mix: U

- 1) 1. b4 cxb4 2. axb4 Qxb4 3. Rxa6 (*Zhu Chen-Khurtidze, Moscow 2001*)
- 2) 1. Rxf6+ Kxf6 2. Bxe5+ Kxe5 3. Qxd3
- 3) 1. Ne7+ Kh8 2. Rxf7
- 4) 1. Rxf7+ Rxf7 2. Qxc6+ Kg8 3. Qh8+ Kxc8 4. Nxf7+
- 5) 1. Rxf7+ Kxf7 2. Ng5+
- 6) 1. d7 (1. Bg4 h5 2. g3 hxc4 3. gxc4 gxc3) 1. ... Bxd7 2. Nxd7 Kxd7 3. g3 Rxc3 4. Bg4+
- 7) 1. ... Bxf3+ 2. Kxf3 Bxc3 3. bxc3 Ne5+
- 8) 1. Qxc5+ Kxc5 2. g4+ Kxc4 3. Be2+ Kf5 4. Bd3+
- 9) 1. ... Rd2 2. Re1 Re2 3. Qg3 Qe4+
- 10) 1. Rxc7+ (1. Rxd7 Bh6) 1. ... Kxc7 2. Rf7+ Nxf7 3. Ne6+ Kg8 4. Qg6#
- 11) 1. e8N+ Kf5 2. Ng7+ Kf4 3. Nxc5+ Kf5 4. g4#
- 12) 1. Bxe6 (1. Rc4? Nxc5 2. Rxb4 Nxf3 3. Kb2 Rb6 4. c4 g5) 1. ... fxe6 2. Rh8! Rb6 3. Rh7+ Ke8 4. Rh8+ Ke7 5. Rh7+ (*Olafsson-Hort, Reykjavik 1972*)

### 104. Test - Mix: V

- 1) 1. Nc4 Rxd3 2. Rxd3
- 2) 1. Qxc7+ Rxc7 2. Rd8+ Rg8 3. Rxc8+ Kxc8 4. Ne7+
- 3) 1. Ra7+ (1. Rb7+ Bg7 2. Rxc7+ Kxc7 3. Ra7+ Kf6) 1. ... Bg7 2. Rh8+ Kxc8 3. Ra8+ Kh7 4. Rh8+ Bxc8 stalemate
- 4) 1. ... Rxc2+ 2. Kxc2 g5

- 5) 1. Qf7 Ne6 (1. ... Qh6 2. Rd8) 2. Rd8 Qc1+ 3. Kh2 Qc7+ 4. Qxc7 Nxc7 5. Rxf8# (*Willaert-O'Kelly Bruxelles 1952*)
- 6) 1. ... Rf1+ 2. Kg3 h4+ 3. Kh3 Rf3+ 4. gxf3 Bf1#
- 7) 1. ... Re1 2. Bxe1 Nb2
- 8) 1. Rxc6+ Bxc6 2. Qxe5+ Bg7 3. Qh2+
- 9) 1. Rh4+ Kxc4 2. Nf5+ Bxf5 3. g3+ Kxc3 4. Nf4#
- 10) 1. c5 Nxc5 (1. ... dxc5 2. Bxe5 ; 1. ... Qd8 2. cxd6) 2. Nxd6++ Ke7 3. Nd5+ (*Hansen, LB-De Firmian, DEN 1998*)
- 11) 1. ... Bh3+ (1. ... e2 2. Kxf2) 2. Kxc3 e2
- 12) 1. ... e4 2. Bxe4 Nxe4 3. Qxe4 d5

### 105. Test - Mix: W

- 1) 1. Qf4+ (1. Qxe6+ Rg6) 1. ... Kh5 2. Qf3 Kh6 3. Qf4+ Kh7 4. Qe4+ Kh6 5. Qf4
- 2) 1. ... Bf5 2. Rxc7 Bxe4+ 3. Bf3 Bxc7
- 3) 1. Qc4 Rg6 (1. ... a6 2. Nb6+ cxb6 3. Qxe6 ; 1. ... Qe8 2. b5) 2. b5 Ndb8 3. bxc6 (*Zvjaginsev-Piket, Tilburg 1998*)
- 4) 1. ... Rb2 2. Qxc2 Rg8+
- 5) 1. Rd8 Rxd8 (1. ... Qb5 2. Qa8 Rxd8 3. Rxd8+ Kh7 4. Rh8# ; 1. ... Kf8 2. Qa8) 2. Rxd8+ Kh7 3. Qxc5+ Rh6 4. Rh8+ Kxc8 5. Qxc6+ Kg8 6. Qxc7# (*Bohatirchuk-Alatortsev, Moscow 1931*)
- 6) 1. Qa5 Re8 2. Qg5
- 7) 1. g4 Qxe5 2. Nd3 Qd6 3. Bf4
- 8) 1. ... h4+ 2. Kxc4 Rb8 3. Rxb8 Qxc3+ (3. ... Qg4+) 4. Kxc3 stalemate
- 9) 1. Rf6+ Kh7 2. Rh6+ Kg8 3. Rg6+ Kf8 4. Rf6+ Ke7 5. Nf5+ Kxf6 6. Nxc3
- 10) 1. Qc1+ Rxc1 2. Bd2+ Rxd2 3. Qf4+ Nxf4 4. g5#
- 11) 1. Nxf6+ Bxf6 (1. ... Qxf6 2. Qh7+ Kf8 3. Qh8#) 2. Qh7+ Kf8 3. Rfe1
- 12) 1. Qa4 d6 2. b4

**106. Test - Mix: X**

- 1) 1. Rxh7+ Kxh7 2. Qh3+ Kg6 3. Qh6+ Kf5 4. Qh7+ Rg6 5. Qh3# (*Torre-Yates Baden-Baden 1925*)
- 2) 1. Qxd6 cxd6 2. Ng6+ hxg6 3. Rc8+ and mate
- 3) 1. ... Qa5 2. Qd1 Nb3+ 3. Qxb3 Qd2#
- 4) 1. Rxf5 exf5 2. d7+ Kxd7 3. Bxf5+ Kd6 4. Bf4+
- 5) 1. ... Qb5 2. Rd2 (2. Nxb5 Nb3#) 2. ... Nxc3
- 6) 1. Qh8+ Ke7 2. Qxg7 Bxg7 3. Rxf7+ Ke8 4. Rxc7+ Kf8 5. Rxb7
- 7) 1. ... Bc3 2. Rb1 Bxe5
- 8) 1. e5 Bxd1 2. Qxe8+ Rxe8 3. exf6
- 9) Drawing
- 10) 1. Kd1! Nf4 (1. ... Nd4 2. Rxd4+ cxd4 3. Nc4+) 2. e5+! Kxe5 3. Re4+ Kf5 4. g4+ Kg5 5. h4+! Kxh4 6. Rxf4 (*Bareev-Onishuk, Moscow 2002*)
- 11) 1. ... Rxd3+ 2. cxd3 Kg6 3. d4 Kg5
- 12) 1. ... Nh7 2. Bf4 g5 3. Bg3 g4

**107. Test - Mix: Y**

- 1) 1. Rd8+ Kh7 2. Qxh6+ gxh6 3. Nf6+ Kg7 4. Rg8#
- 2) 1. ... g5+ 2. Kf5 (2. Ke3 Nxe5 3. g3 g4 4. gxh4 gxh3) 2. ... Nxe5 3. Kxe5 Ke7 (*Boskovic-Benkovic, Kraguje 2000*)
- 3) 1. Rxe6+ fxe6 (1. ... Kf8 2. Re5 Qc8 (2. ... Qf2 3. Be7+ Kg8 4. Bh4) 3. Re7) 2. Qg6+ Kf8 3. Be7+ Kg8 4. Bf6 (*Volokitin-Kaparadze, Batumi 2003*)
- 4) 1. Ne6+ fxe6 2. Qf8+ Kc7 3. Qxe7+
- 5) 1. ... Qxh2+ 2. Kxh2 Rh4+ 3. Kg1 Ng3
- 6) 1. hxg6+ Qxg6 2. Rf5 Rf8 3. Rh5+
- 7) 1. h4 Qh6 2. Ng4 Qh5 3. Nxf6+
- 8) 1. g4+ hxg4 2. Rd5+ exd5 3. Qc8+ Qxc8 stalemate
- 9) 1. Qxe4 Rxe4 2. R1c6
- 10) 1. ... Nxc2 2. Qxc2 Rxd3 3. Rxd3 Nb4
- 11) 1. Qh8+ Ke7 2. Nf5+! (2. Qxd8+ Kxd8 3. Nxf7+ Ke7 4. hxg6 Kf6) 2. ... gxf5

3. Qxd8+ Kxd8 4. h6 (*From-Hoi, Veilby 1976*)

- 12) 1. Na4 b5 2. a3 Qxa4 3. b3

**108. Test - Mix: Z**

- 1) 1. Qxh7+ Kxh7 2. Rh1+ Kg8 3. Rh8+ Kf7 4. Ng5#
- 2) 1. Rg3 Qc5 (1. ... Rag8 2. Qxh7+ Rxh7 3. Rxg8#) 2. Nxb7 Rxg3 3. Ng5+ Kg7 4. Qh7+ Kf6 5. Qxf7+ Kxg5 6. Qg6+ Kf4 7. Qxg3#
- 3) 1. Nxc5 bxc5 2. Rxb7 Qxb7 3. Bxc6+
- 4) 1. Bxe5 fxe5 2. Qd5+ Qxd5 3. Nxe7+
- 5) 1. ... Nc4+ (1. ... Rxd4? 2. Kxd4 Nb3+ 3. Kc3 (3. Kxd5? a1Q 4. Rxa1 Nxa1 5. h4 Kg6=) 3. ... a1Q+ 4. Rxa1 Nxa1 5. Kb2 Kg6 6. h4 (*Partos-Planinc, Porec 1974*) 2. Kxd5 Nb6+ 3. Ke5 (3. Kc6 Na4) 3. ... Nd7+
- 6) 1. Rfd1 (1. Rad1 e4) 1. ... e4 2. Qf1 Qh5 3. Rxd4
- 7) 1. ... Rc3 (1. ... Rc6 2. Bxc6) 2. Rxd2 Rxb3 3. Rxb3 Ne6
- 8) 1. Rh7 Rg5 2. Rxg7+ Rxg7 3. Qe8+ Kh7 4. Rh1+ Rh5 5. Rxh5+
- 9) 1. Nxe6 fxe6 2. Qxf8+ Rxf8 3. Rxf8+ Kxf8 4. c7
- 10) 1. ... d1Q 2. Qxd1 Qxh3+ 3. gxh3 Rh2+ 4. Kxh2 stalemate
- 11) 1. Rxc6 Rxc6 2. Bxf7+ Qxf7 3. Rxd8+ Rg7 4. Rd7
- 12) 1. ... Rxf7 2. Rg1 (2. Rb1 Rcf8) 2. ... Rc5 3. Qg4 Qd4

**109. Endgame - Mix: A**

- 1) 1. Ng3+ Kg1 2. Kh3 Ne3 3. Rg2+ Nxb2 stalemate (*Pogosjants 1977*)
- 2) 1. Ne6 (*Amelung 1895*)
- 3) 1. Qa8 Rxa8 (1. ... Rc4 2. Qd8+ Kh5 3. Nf4#) 2. Nf3+ Kh5 3. Nf4# (*Sansom 1963*)
- 4) 1. Ne7! Nxb7 2. Qg8+ Qxg8 3. Ng6# (*Pogosjants 1979*)

- 5) 1. Nb2+ Kb5 2. a4+ Kc5 3. Nd3+  
(*Puljan 1914*)
- 6) 1. Nc6+ (1. Qxf5+? Qxf5 2. Nxf5 Ka4  
3. Ka2 b5) 1. ... Qxc6 (1. ... Ka4 2.  
Qf4+ Kb5 3. Na7+ Kc5 4. Qc7+) 2.  
Qd2+ Kb5 3. Qb4# (*Prokes 1936*)
- 7) 1. h6 gxh6 (1. ... Qf2+ 2. Rac5 Qb2+ 3.  
Rb5 Qf2+ 4. Kc6+) 2. Ra8+! Qxa8 3.  
Rh7 (*Cohn 1929*)
- 8) 1. Bg4! Kxg4 2. Nc4 d1Q 3. Ne3+  
Nxe3 stalemate (*Jespersen 1896*)
- 9) 1. Bd5 e4! 2. Kf7 h1Q (2. ... Kg4 3.  
Bxe4 Kxh4 4. Bh1) 3. Be6+ Ke5 4.  
Bg3# (*Rinck 1918*)
- 10) 1. Rh8+ Rd8 2. Qg3+ Ka8 3. Qg2  
Rb8+ 4. Rxb8+ Kxb8 5. Qh2+ Ka8 6.  
Qh8+ (*Rinck 1926*)
- 11) 1. Ra1 Rxb3 2. Kc4 Rb7 3. Bc7#  
(*Pogosjants 1979*)
- 12) 1. c7 Kxc7 2. axb6+ Kxb8 3. b7  
(*Kliatskin 1924*)

#### 110. Endgame - Mix: B

- 1) 1. Re6+ Kxe6 (1. ... Kf4 2. Re4+ Kxe4  
(2. ... Kf3 3. Nd4+) 3. Nd6+ ; 1. ... Kd5  
2. c4+ Qxc4 (2. ... Kxc4 3. Nd6+) 3.  
Ne3+) 2. Nd4+ (*Prokes 1947*)
- 2) 1. Rh3+ (1. gx7 Qxd7 2. f8Q Ke3+) 1.  
... Kd4 2. Kd2 (*Platov 1904*)
- 3) 1. Re5 f1Q 2. Nc2+ Bxc2 3. Re1+  
Qxe1 stalemate (*Milolap 1987*)
- 4) 1. e3+ Ke4 (1. ... Kxg4 2. Ne5+ Kh4 3.  
Nf3+ Kg4 4. Rg5#) 2. Rc8 Qxc8 3.  
Nd6+ (*Paoli 1948*)
- 5) 1. e3+ Kxe3 2. Be5 d4 3. Kg3 a1Q 4.  
Bf4# (*Pogosjants 1978*)
- 6) 1. Re6+ Kd8 2. Ra5! Qf3+ 3. Rd5+  
(*Prokes 1947*)
- 7) 1. Bh6 Qf2 (1. ... Kb4 2. Nd3+ ; 1. ...  
Qxe4+ 2. Nxe4) 2. Bd2+ Qxd2 3.  
Nb3+ (*Tobben 1931*)
- 8) 1. Bd7 Nd6 2. Kd3 Nb7 (2. ... Ne4 3.  
Bc6+ ; 2. ... Nf7 3. Be6+ ; 2. ... Nc4 3.

- Be6+) 3. Bc6+ (*Rinck 1926*)
- 9) 1. Re8 Qf7+ 2. Ne6 Qxe8 3. Ng7+
- 10) 1. Kf2+ Kh2 2. Rh1+ Qxh1 (2. ... Kxh1  
3. Qb1+ Kh2 4. Qh7#) 3. Qxg8  
(*Stubbs 1926*)
- 11) 1. c6 (1. Kc7 Rc3 2. c6 Bb5 3. b7  
Rxc6+) 1. ... Rxb6+ (1. ... Kxe6 2.  
Kc7! (2. b7? Bxb7! 3. cxb7 Kd7 4. e6+  
(4. Ka8 Kc7) 4. ... Kc6 5. e7 Rxb7+);  
1. ... Rc3 2. c7 Kxe6 3. b7 Bxb7 4.  
Kxb7 Ke7 5. e6) 2. Kc7 Rb1 stalemate  
(*Cohn 1940*)
- 12) 1. Nc3+ Ka5 2. Rg5+! Qxg5 3. Nc6#  
(*Puig y Puig 1922*)

#### 111. Endgame - Mix: C

- 1) 1. c7+ Kxc7 (1. ... Qxc7 2. Ba5 Qxa5  
3. Nc6+) 2. Bf4 Qxf4 3. Nd5+  
(*Bone 1836*)
- 2) 1. Rc8 (1. Ra3? Bh1 2. Ra1 Bf3 3. Rf1  
g4) 1. ... Bh1 2. Rh8 (*Barendregt  
1963*)
- 3) 1. Kc4! (1. Kc5 Ka4 2. Qd1+ Ka3) 1.  
... Ra7 (1. ... Ka4 2. Qd1+) 2. Kc5 Ra6  
(2. ... Rb7 3. Qa8+) 3. Qd2+  
(*Efron 1957*)
- 4) 1. Ra3 (1. Rc8? Bf3) 1. ... Bh1 2. Ra1  
(*Barendregt, Van Reek 1963*)
- 5) 1. Bh1 Bxb6+ 2. Kg2 Bxa7 stalemate  
(*Gallischek 1958*)
- 6) 1. Rc3 b2 2. Bc1 b1Q 3. Ra3#  
(*Reti 1929*)
- 7) 1. Rg7 Qb8 2. Rcc7 h2 3. Ra7+  
(*Prokes 1959*)
- 8) 1. Rf5+ Qxf5 2. b4+ Kd5 (2. ... Kc6 3.  
Ne7+ ; 2. ... Kc4 3. Nd6+ ; 2. ... Kb5 3.  
Nd6+) 3. Ne7+ (*Langstaff 1920*)
- 9) 1. c7 Rc1 (1. ... Bxb5 2. c8Q Bxa6 3.  
Qh3+ Kg1 4. Qg3+ Kf1 5. Qf4+ Kg2  
6. Qg5+ Kh3 7. Qh6+ Kg2 8. Qxg6+  
Kh1 9. Qh6+ Kg2 10. Qg7+) 2. a7 Be4  
3. Rb1 (*Prokes 1937*)
- 10) 1. Qc1+ Qb1 2. Bd1 Qxc1 stalemate

(2. ... exd1Q+ 3. Kxd1 Qxc1+ 4. Kxc1 stalemate) (*Apschenek 1913*)

- 11) 1. Qc4! (1. Qg4? Rb6+ 2. Kc5 Rc6+ 3. Kxc6 Qxa8+) 1. ... Rb6+ 2. Kc3 Qxa8 3. Qg8+ (*D'Hondt 1932*)
- 12) 1. Nf4+ Bxf4 2. Kf3 e1Q 3. Rh6+ Bxh6 stalemate (*Prokes 1943*)

## 112. Endgame - Mix: D

- 1) 1. f8Q (1. Bb5? Rb2+ 2. Kc1 Rc2+ 3. Kb1! (3. Kd1 Rf2) 1. ... Rxf8 2. Bf7 (*Yates 1921*))
- 2) 1. Re5+ Kg4 2. Re4+ Kh5 3. Rh4+ Kxh4 4. Nf5+
- 3) 1. Kb5! Kc1 2. Nb3+! (2. Ka4? Kb1! 3. Nb3 Kb2 4. Kb4 b5) 2. ... Kb2 3. Ka4! b5+ 4. Kb4 (*Hasek 1929*)
- 4) 1. Nd7 Rxd7 2. Rh6+ Kg5 3. Rg6+ Kxg6 4. f8N+ (*Gorgiev 1930*)
- 5) 1. Rb5 Nc7+ (1. ... Bxb5 stalemate ; 1. ... Bb4 2. Kc4+! (2. Kc6+? Nc5! (2. ... Kg4? 3. Kb6 ; 2. ... Bc5? 3. Kd5!)) 3. Kb6 Bxb5 4. Kxb5 Nd3 5. Kc4 Ke4) 2. ... Bxb5+ 3. Kxb5) 2. Kxc5 Bxb5 (2. ...

Nxb5 3. Kb4) 3. Kb6 (*Prokes 1941*)

- 6) 1. Qe2 Kxa4 2. Qb2 Ka5 3. Qa1+ Kb5 4. c4+ (*Kubbel 1928*)
- 7) 1. Nd7+ Ka8 2. Kc7 Nc6 (2. ... Nb5+ 3. Nxb5 Ne7 4. Nb6#) 3. Nxc8 Na5 4. Ndb6# (*Prokop 1929*)
- 8) 1. Ke2+ Kg2 (1. ... Nb6 2. Bxb6+ Rxb6 3. a7 Rb2+ (3. ... Re6+ 4. Kd2 Ra6 5. a8Q Rxa8 6. Rxa8 h1Q 7. Ra1+) 4. Ke3 Ra2 5. a8Q Rxa8 6. Rxa8 h1Q 7. Ra1+) 2. Rxh2+ Kxh2 (*Lazard 1946*)
- 9) 1. Re4 Qxe4 (1. ... Qg3 2. Rg4+ Qxg4 3. Nf6+ ; 1. ... Qd8 2. Re8+ Qxe8 3. Nf6+) (*Völlmer 1932*)
- 10) 1. g7 Qb3 (1. ... Qa8 2. Qh2+ Kg6 3. Qg2+ Qxg2 4. g8Q+) 2. Qh2+ Kg6 3. Qg3+ Qxg3 4. g8Q+ (*Somov Nasimovich 1933*)
- 11) 1. Kc6 Rb8 2. Kb5! Kb7 3. Rh7+ Kxc8 4. Kc6 (*Wolf 1930*)
- 12) 1. Bxe6 Kxe6 2. Re5+ Kf6 3. Re3 f1Q 4. Rf3+ Qxf3 stalemate (*Platov 1912*)