

# Step 4

## 2 Test / Step 3: A

- 1) 1. ♖b4 threatens mate and win of a piece (double attack: queen)
- 2) 1. ... ♗d2+ 2. ♗xd2 ♜g6# (luring away + mate); 1. ... ♜g6+? 2. ♗xg6 hxg6 3. ♔xg6+ and wins.
- 3) 1. ♘g6 (trapping thanks to pinning)
- 4) 1. ... ♜e1+ 2. ♜xe1 ♗xd4+ (luring away + material); 2. ♔f2 ♜e2+
- 5) 1. ♗d4+ ♗f6 2. ♗xd7 ((luring away + material)
- 6) 1. ♜h5+ gxh5 2. ♗f6# (luring away+ mate)
- 7) 1. ♗xe8+ ♘xe8 2. ♘e6# (luring away+ mate)
- 8) 1. ♜f3+ exf3 2. ♗xg5 (discovered attack)
- 9) 1. ♘c6+ ♔a8 2. ♘xe7; 1. ... ♜xc6 2. dxc6 (double attack: knight)
- 10) 1. ... ♔g8 (1. ... ♜c7? 2. ♜xg7) (attack on a pinned piece)
- 11) 1. ♗h3 (1. ♗xh6? ♗xf6) 1. ... ♜c4 2. ♗xa3 (double attack: queen)
- 12) 1. h3 (1. ♗c2+ ♔h6) (forcing stalemate)

## 3 Test / Step 3: B

- 1) 1. ... ♘f4 (attacking a pinned piece)
- 2) Drawing
- 3) 1. ♘d6+ ♗xd6 2. ♙a6# (discovered attack)
- 4) 1. g3 ♜xf3 2. ♗xh6+ ♗h7 2. ♙xg7+ (attack on a pinned piece)
- 5) 1. ... ♘f3+ 2. ♗xf3 ♗e1+ (discovered attack)
- 6) 1. ♙d6 ♙xd6 2. ♗h8# (discovered attack)
- 7) 1. ... ♙a4 (trapping thanks to a pin)
- 8) 1. ♗c1 ♜xb5 2. ♜c8 (double attack: material + threat)
- 9) 1. ♜c6+ ♔f7 (1. ... ♔xd5 2. ♙g2#) 2. ♜xe5 (chasing away + material)
- 10) 1. ♘e5+ ♔e8 2. ♜xc8# (double check)
- 11) 1. ♜xf8+ ♔xf8 2. ♗d8# (mate in two: access)
- 12) 1. ... ♗d5 (defend against mate)

## 4 Eliminating the defence / Interfering: A

- 1) 1. ♘f5+ followed by 2. ♜xh3.
- 2) 1. ♘c6+ bxc6 2. ♗xc5
- 3) 1. ♙b8 and the rook on a8 is trapped.
- 4) 1. ... ♘f4 (threatens 2. ... ♘e2+) 2. exf4 ♗xd6
- 5) 1. ... ♘f3+ 2. gxf3 ♗xd1+
- 6) 1. ... ♙e2 and White must give up an exchange.
- 7) 1. ... ♙b5 2. axb5 ♗xe2#
- 8) 1. ♘e4 with the threats 2. ♗xe8 and 2. ♜xe1. On 1. ... ♗xe4 follows 2. ♗f8+ and mate. Less good is 1. ♘e2 because after 1. ... ♗xf1+ 2. ♗xf1 ♘xe2 Black can play on.
- 9) 1. ♜g6 fxg6 2. ♗xg7#
- 10) 1. ... c4+ 2. ♔h1 ♗xb5
- 11) 1. ♙c8 with the threats 2. ♙xb7 and 2. ♜e8#. Wrong is 1. ♜c8+ ♜xc8 2. ♙xc8 ♜b1.
- 12) 1. ... ♜c1+ 2. ♙xc1 2. ♗b1#; 2. ♜xc1 ♗xd5

## 5 Eliminating the defence / Interfering: B

- 1) 1. ... ♙b3 2. axb3 ♘c2#
- 2) 1. ... ♙c1+ 2. ♔xc1 ♗xg1
- 3) 1. ... ♜c1+ 2. ♘xc1 ♗d1# or 2. ♜xc1 ♗xb7
- 4) 1. d5 cxd5 2. ♜g1+; on 1. ♜g1+ follows 1. ... ♜g5.
- 5) Drawing
- 6) Drawing

- 7) 1. ♖c6 dxc6 2. ♜xf6+; bad is 1. ♜c6? ♜xe4
- 8) 1. e6 fxe6 (1. ... ♙xe6 2. ♜xe6) 2. ♖xg4 (2. ... e5 3. ♜f5 or 3. ♜e6)
- 9) 1. ... ♜f3+ 2. ♚f1 ♖xf6; 2. ♖xf3 ♖xh6
- 10) 1. ♖d8+ ♙xd8 2. ♖e8# or 1. ... ♖xd8 2. ♖xb7
- 11) 1. ♙d6 ♖xb3 2. ♖f8#; 1. ... ♖xd6 2. ♖b8+; 1. ... ♜xd6 2. ♖xe6+
- 12) 1. g4 ♖xf3 2. ♖c8+ and mate

#### 6 Eliminating the defence / Interfering: C

- 1) 1. c6 (1. ♖a2 e5) 1. ... bxc6 2. ♖xa4
- 2) 1. ... d3 2. ♖b3 ♙xe4
- 3) 1. ... c5 2. ♖b5 ♖xe7
- 4) 1. b4+ cxb3 (1. ... ♚b6 2. ♙xa4) 2. ♜c4#
- 5) 1. ♖f6 ♖e7 2. ♖f8#
- 6) 1. ♖d5 cxd5 (1. ... ♜e5 2. ♖xd4) 2. ♖e8#
- 7) 1. ♜a6 ♖xd5 (1. ... ♖xa6 2. ♖xa6) 2. ♖xa4
- 8) 1. ♖d8+ ♖xd8 (1. ... ♙xd8 2. ♖e8#) 2. ♖e6#
- 9) 1. ... ♙d4+ 2. ♚h1 ♖xd5
- 10) 1. ... ♜ce5 2. dxe5 (2. ♖fe1 ♖h2+ 3. ♚f1 ♖h4) 2. ... ♖h2#
- 11) 1. ... ♖g4+ 2. ♜xg4 ♖g3#
- 12) 1. ♖g6+ fxg6 (1. ... ♖xg6 2. ♜xe7#) 2. ♜xh6#

#### 7 Double attack / Luring: A

- 1) 1. ... ♖d2+ 2. ♖xd2 ♜f3+
- 2) 1. ♖xf6+ ♚xf6 2. ♜e4+
- 3) 1. ♖xc6 ♖xc6 2. ♜xe7+
- 4) Drawing
- 5) Drawing
- 6) 1. ♙h6+ ♚xh6 2. ♜f7+; 1. ... ♚h8 2. ♜f7#
- 7) 1. ♖h8+ ♚xh8 2. ♜xg6+ and 3. ♜xe7
- 8) 1. ♙xf7+ ♚xf7 2. ♜e5+ (better is 1. ... ♚d8)
- 9) 1. ... ♖xg3+ 2. ♚xg3 ♜e4+ and 3. ... ♜xd2
- 10) 1. ... ♙g5 2. ♖xg5 (the queen is trapped) 2. ... ♜h3+
- 11) 1. ... ♖c1 2. ♖xc1 ♜e2+ (the rook on f2 is pinned)
- 12) 1. ♖xf8+ ♚xf8 2. ♜e6+ and 3. ♜xd8; 1. ♜e6? ♖xe7 or 1. ♙xg7 ♜xg7 2. ♖xg7+ and 3. ♜e6+ wins only an exchange.

#### 8 Double attack / Luring: B

- 1) 1. ... ♖xg2+ 2. ♚xg2 ♖e4+ and 3. ... ♖xb1
- 2) 1. ... ♖xf1+ 2. ♚xf1 ♖d1+ 3. ♚g2 ♖xg4+
- 3) 1. ... ♙f4+ 2. ♙xf4 ♖xf4+ 3. ♚b1 ♖xh4
- 4) 1. ... ♖xg2+ 2. ♚xg2 ♖g5+
- 5) 1. ♜d7 ♖xd7 2. ♖h3+; 1. ♖h3+? ♚g7 2. ♜d7 ♖d6 3. ♜xb8 ♖h8
- 6) 1. d5 ♙xd5 2. ♖d4
- 7) 1. ♖xd6 ♖xd6 2. ♖e5
- 8) 1. ... ♖xd4 2. ♖xd4 ♖e5
- 9) 1. ♖xb7 ♖xb7 2. ♖a8+; 1. ♖xe7 ♖xg2#
- 10) 1. ... ♖xa5 2. ♖xa5 ♖e1+
- 11) 1. ♙xa6 ♖xa6 2. ♖d3
- 12) 1. b4 ♙xb4 2. ♖d4

#### 9 Double attack / Luring: C

- 1) 1. ♖f8+ ♚xf8 2. ♙xg7+
- 2) 1. ♙b7+ ♚xb7 2. c6+

- 3) 1. ♖xh7+ ♜xh7 2. ♜xd6+; 1. ♜xd6? ♖e3+
- 4) 1. ... ♖xg2+ 2. ♜xg2 d4+; 1. ... d4 2. ♖d2 or 2. ♖c4+
- 5) 1. ... ♖xf1+ 2. ♜xf1 ♙h3+ (2. ... ♙d3+ 3. ♜xd3)
- 6) 1. ... ♜xd4 2. ♖xd4? ♜g4+
- 7) 1. ♖d7+ ♜xd7 (1. ... ♜e6 2. ♖d5#) 2. ♜xf6+
- 8) 1. ♖d4 ♖xd4 2. e6+
- 9) 1. ... ♖xf1+ 2. ♜xf1 ♙xg2+! (2. ... ♙b5+ 3. ♖xb5)
- 10) 1. ♖xd7 ♖xd7 2. ♜h6+
- 11) 1. ... ♖d3+ 2. ♜xd3 ♙xc6+
- 12) 1. ♙xc5 ♖xc5 2. axb4

#### 10 Double attack / Luring: D

- 1) 1. ♜xe5 ♖xe5 2. f4 (double attack: pawn)
- 2) 1. ♖b8 ♖xb8 2. ♙xe5+ (double attack: bishop)
- 3) 1. ♖g8+ ♖xg8 2. ♖g2+ (X-ray check)
- 4) 1. ♖xd3 ♖xd3 2. ♙e4 (double attack: 2 pieces)
- 5) Drawing
- 6) 1. ♖c4+ ♖xc4 2. g8♖+ (X-ray check)
- 7) 1. ... ♜xc2 2. ♖xc2 ♙xd3+ (double attack: bishop)
- 8) 1. ... ♖xf1+ 2. ♜xf1 ♖xf5+ (double attack: rook)
- 9) 1. ♙e7 ♖xe7 2. f6 (double attack: 2 pieces)
- 10) 1. ♖xd7 ♖xd7 2. ♙xe6+ (double attack: bishop)
- 11) 1. ... ♖xc4 2. ♖xc4 ♙d5 (X-ray attack)
- 12) 1. ♙c4+ ♜f8 2. ♖xe8+; 1. ♖xe8? ♖xa6+ (double attack: bishop)

#### 11 Eliminating the defence / Blocking: A

- 1) 1. e7+ ♖xe7 2. ♖h8#
- 2) 1. ♖xd5+ ♖f7 2. ♖h8#
- 3) 1. ♖b8+ ♖xb8 2. ♜c7#
- 4) 1. ... ♖d1+ 2. ♖xd1 ♖f2#; 2. ♜xd1 ♖xf1#
- 5) 1. d6+ ♖xd6 2. ♙h4#
- 6) 1. ♖g8+ ♖xg8 2. ♜f7#; 1. ♜f7+ ♖xf7 doesn't win.
- 7) 1. ♖f8+ ♖xf8 2. ♖xf8+ ♖xf8 3. ♖xg6#
- 8) 1. ♖g7+ ♜xg7 2. ♜h6#
- 9) 1. ♖h3+ ♙xh3 2. g3#
- 10) 1. ... ♖f1+ 2. ♖xf1 ♖e3#; 2. ♜xf1 ♖e1#
- 11) 1. ... e5+ 2. dxe5 ♖d2#; 2. ♜xe5 ♖xg3+
- 12) 1. ♖f4+ ♜h5 2. ♖h4+ gxh4 3. g4#

#### 12 Eliminating the defence / Blocking: B

- 1) Drawing
- 2) Drawing
- 3) 1. ♖h8+ ♜xh8 2. ♙h7#
- 4) 1. ♜e7+ ♜xe7 2. ♖xf8+ ♜xf8 3. ♖d8#
- 5) 1. ♖f8+ ♖xf8 2. ♜g7#
- 6) 1. c7+ ♖xc7 2. ♖f8#
- 7) 1. ... ♖g2 2. ♖d1 ♖xb2; 1. ... ♖xg2 ♖h5#
- 8) 1. ... ♖f2+ (1. ... ♖h5+ 2. ♜g1 ♖h1+ 3. ♜h1 ♖xf4+ 4. ♖xd5) 2. ♖xf2 ♖h5+ 3. ♜g1 ♖h1#
- 9) 1. ♖h7+ ♜xh7 2. ♜g6+ ♜g8 3. ♙d5#
- 10) 1. ... ♖g5+ 2. f4 ♖c5#
- 11) 1. ♖e6+ ♖f6 2. ♙h5#
- 12) 1. ♖e7 ♖xe7 2. ♖h7+

13 Eliminating the defence / Blocking: C

- 1) 1. b5+ cxb5 2. ♖a2#
- 2) 1. ♖e7+ ♜xe7 2. ♜f6#
- 3) 1. ♖f7+ ♙g6 2. ♖f3#
- 4) 1. ♖h7+ ♜xh7 2. ♖g6#
- 5) 1. ♙f6+ ♜f8 2. e7+ ♙xe7 3. ♙g7#
- 6) 1. ... ♖e2+ 2. ♙f3 (2. ♜f5 ♖e6#) 2. ... ♖e6#
- 7) 1. ... ♙g2+ 2. f3 ♖e5#
- 8) 1. d4+ cxd4 (1. ... ♜xd4 2. ♖e3#) (1. ... ♜xd4 2. f4#) 2. f4#
- 9) 1. ♙f6+ (1. ♖xe5 f6) (1. ♙e4 f5) (1. ♖h3 f6) 1. ... ♙xf6 2. ♙e4
- 10) 1. ♖f8+ ♖xf8 2. ♙g6+ ♜g8 3. ♖h7#
- 11) 1. c5 ♙xc5 2. ♖a8+ ♜b6 3. ♖a6#
- 12) 1. ... ♖d1+ (1. ... ♖xf3 2. gxf3 ♙xf3+ 3. ♜g1 ♖d1+ 4. ♜f2) 2. ♙g1 ♖xf3

14 Thinking ahead / Mate: A

- 1) 1. ♖g5  
1. ... ♜a3 2. ♖b5 d5 3. ♖a6#  
1. ... b5 2. ♖c5 ♜a5 3. ♖a7#  
1. ... d6 2. ♖d5 b5 3. ♖a8#
- 2) 1. ♖a7  
1. ... a2 2. ♖e3+ ♜d1 3. ♖d2#  
1. ... ♙e2 2. ♖xa3+ ♜d1 3. ♖a1#  
1. ... ♙d3 2. ♖g1+ ♙f1 3. ♖xf1#
- 3) 1. b4  
1. ... cxb4 2. ♖g8 g2 3. ♖b3#  
1. ... ♜a2 2. ♖xa7 c4 3. ♖xa5#  
1. ... ♜xb4 2. ♖h8 ♜a3 3. ♖b2#
- 4) 1. e3  
1. ... ♙d3 2. e4 ♙xe4 3. f4#  
1. ... ♙c8 2. ♖g6 ♙f5 3. ♖d6#  
1. ... ♙e2 2. e4 ♙xf3 3. ♖f5#
- 5) 1. ♙d3  
1. ... ♜a2 2. ♖c2 b3 3. ♖b1#  
1. ... axb2 2. ♙c2+ ♜c4 3. ♖c6#  
1. ... ♜a4 2. ♖d5 b3 3. ♖b5#
- 6) 1. ♖f2  
1. ... g4 2. ♖f6 g3 3. ♙f3#  
1. ... ♜h6 2. ♖f7 g4 3. ♖g6#  
1. ... ♜g4 2. ♙f5+ ♜h5 3. ♖h2#
- 7) 1. ♜a6  
1. ... ♖xh4 2. ♖a2+ ♜b4 3. ♖a5#  
1. ... ♖a1 2. ♜a5 ♖c1 3. ♖a2#  
1. ... ♜b4 2. ♖b2+ ♜c5 3. ♖b6#
- 8) 1. ♜f2  
1. ... ♜h4 2. ♖e6 ♜h5 3. ♖h3#  
1. ... ♜h5 2. ♜g3 g4 3. ♖g6#  
1. ... ♜h3 2. ♙f5+ ♜h2 3. ♖h6#

15 Thinking ahead / Mate: B

- 1) 1. ♙e1  
1. ... ♜f4 2. ♙g3+ ♜e3 3. ♖d3#  
1. ... ♜d4 2. ♖e8 ♜c4 3. ♖a4#  
1. ... d4 2. ♙g3+ ♜d5 3. ♖c6#

- 2) 1. ♖e4  
 1. ... ♗xh6 2. ♖g2 ♗h5 3. ♜xh7#  
 1. ... ♗h5 2. ♜g7 ♗xh6 3. ♖xh7#  
 1. ... ♗f6 2. ♖d5 ♗g6 3. ♜b6#
- 3) 1. ♜g1  
 1. ... d1♖ 2. ♙c3 ♖xg1 3. ♖xg1#  
 1. ... d1♙ 2. ♙f2 ♗d2 3. ♖e3#  
 1. ... dxel♖ 2. ♜xe1+ ♗d2 3. ♖e3#
- 4) 1. ♜g7  
 1. ... ♗xe3 2. ♜g3+ ♗e4 3. ♖e5#  
 1. ... ♗c4 2. ♜g2 ♗d3 3. ♖d4#  
 1. ... ♗e4 2. ♖e2 ♗xf5 3. ♖f3#
- 5) 1. ♖d3  
 1. ... ♜a5 2. ♖g3+ ♗e4 3. ♖e3#  
 1. ... ♗g5 2. ♖f5+ ♗h4 3. ♗g6#  
 1. ... ♗e5 2. ♖d5+ ♗f6 3. ♗g8#
- 6) 1. e8♗  
 1. ... h1♖ 2. ♙g3+ ♗g4 3. ♗f6#  
 1. ... h1♗+ 2. ♗f3 ♗h2 3. ♙f2#  
 1. ... ♗g4 2. ♗f6+ ♗f4 3. ♙g3#
- 7) 1. ♖d6  
 1. ... ♗xe3 2. ♜e7+ ♗f3 3. ♖g3#  
 1. ... ♗e2 2. ♗g2 ♗xe3 3. ♜e7#  
 1. ... g4 2. ♖d3 g3+ 3. ♜xg3#
- 8) 1. ♖d4  
 1. ... cxd4 2. ♜f7 ♗c5 3. ♜c7#  
 1. ... ♗b7 2. ♜f7+ ♗a6 3. ♖a1#  
 1. ... ♗d7 2. ♖g4+ ♗e8 3. ♖c8#

#### 16 Test / Mix: C

- 1) 1. ♜d7+ ♗xd7 2. ♖g7#; 1. ... ♖xd7 2. ♗f6+ (interfering and double attack: luring)
- 2) 1. ♗f6 ♙xf6 2. ♖e4; 1. ... gxf4 2. ♜xh7# (blocking)
- 3) 1. ... b4 2. ♙xb4 ♖b7+; 1. ... ♖b7+? 2. ♖f3 (double attack: luring)
- 4) 1. ... ♖xc3+ 2. ♗xc3 ♗xe4+ (double attack: luring)
- 5) 1. ... ♜xd4 2. ♖xd4 ♗g4+ (discovered attack: luring)
- 6) 1. ... ♜h4+ 2. ♗xh4 g4#
- 7) 1. ♜xb2 ♜xb2 2. ♖c3 (double attack: luring)
- 8) 1. ♜1e6 ♙xe6 2. ♖xh6; 1. ... ♖xe6 2. ♜xe6 ♙xe6 3. ♖xh6 f6 4. ♖g6+ (interfering)
- 9) 1. ... ♜a2+ 2. ♙xa2 ♗c2# (blocking)
- 10) 1. ... ♙xc2+ 2. ♗xc2 b3+ (discovered attack: luring)
- 11) 1. ♗d5 exd5 2. ♜xe7; 1. ... ♜xd7 2. ♗xe7+ or 1. ... ♖xd7 2. ♗xf6+ (interfering)
- 12) 1. ♙c7 ♜xc7 2. ♖e5 (double attack: luring)

#### 17 Test / Mix: D

- 1) 1. ... ♜d2 and 2. ... ♗xf3+ (double attack: luring)
- 2) 1. ♜h8+ ♙xh8 2. ♖xf7#; 1. ... ♗xh8 2. ♗xf7+ (luring away + mate or double attack: luring)
- 3) 1. ♜xd4 ♜xd4 2. ♖e3 (double attack: luring)
- 4) 1. ♖g7+ ♗xg7 2. ♜xg6# (discovered check: luring)
- 5) 1. ♜xf6+ ♗xf6 2. ♖f2+ (double attack: luring)
- 6) 1. ♖xd6 ♗xd6 2. ♙f4+ (discovered attack: luring)
- 7) 1. ♖h7+ ♗xh7 2. ♗g6# (blocking)
- 8) 1. e7 ♗xe7 2. ♖c7 (double attack: luring)
- 9) 1. ♖a4+ ♜a5 2. ♖c6+ ♙b6 3. ♖c8# (blocking)

10) 1. ♖d5+ ♗xd5 2. ♜xe7+ (double attack: luring)

11) Drawing

12) Drawing

### 18 Pin / Luring the back piece: A

- 1) 1. h6+ ♜xh6 (1. ... ♜g8 2. ♖f6) 2. ♖h1 (2. ♜xd4 ♜g7)
- 2) 1. e8♖+ ♜xe8 2. ♙a4; 1. ♙a4? ♜b1+
- 3) 1. ♜h8+ ♜xh8 2. ♙c3; 1. ... ♖xh8 2. ♖g6#; 1. ♙c3? ♖xg3+ 2. fxg3 ♙xh5 (often missed)
- 4) 1. g4+ ♜xg4 2. ♙e6
- 5) 1. ... ♜xd3 2. ♖xd3 e5; 1. ... e5? 2. ♙xc5
- 6) 1. ♖xc6+ ♜xc6 2. ♜f4
- 7) 1. ♜xc6 ♖xc6 2. c4; 1. c4? ♜de7
- 8) 1. ... ♖f5 2. ♙d3 d5
- 9) 1. ♙h7+ ♜xh7 2. ♖xe6
- 10) 1. ♙xc5 ♖xc5 2. ♖xd3; 1. ♖xd3 cxd3 2. ♙xc5 and 3. ♙xc8 is nothing special.
- 11) 1. ♜xc6 ♖xc6 2. ♖xc4
- 12) 1. ♙xf7+! ♜xf7 2. ♖xe4; 1. ♖xe4? ♜xe4 2. ♙xf7+ ♜h8 (2. ♜xf7 ♜d6)

### 19 Pin / Luring the front piece: A

- 1) 1. ♙xe5+ ♜xe5 2. ♖g3
- 2) 1. ♜xf4+ ♖xf4 2. ♜f1
- 3) 1. ♜xd6 ♖xd6 2. ♙g3
- 4) Drawing
- 5) 1. ♖f6+ ♖g7 2. ♜e7! ♖xf6 3. ♜xh7#
- 6) 1. ♜xe5 ♜xe5 2. ♜e1
- 7) 1. ♜xc5 ♜xc5 2. ♜a4
- 8) 1. ♜xc7+ ♜xc7 2. ♖c8
- 9) 1. ... ♙xg2 (1. ... ♜xg2+? 2. ♜xg2 ♖xd2 3. ♜xg8) 2. ♜xg2 ♖xd2
- 10) 1. ... ♖xf3+ (1. ... ♜g4 2. hxg4) 2. ♖xf3 ♜xe2+
- 11) 1. ♖xh7+ ♖xh7 2. ♜f7#; 1. ♜g6+? ♜xg6 2. ♖xg6 ♜e1#
- 12) 1. e6 ♙xe6 2. ♖xg4

### 20 Pin / Luring front or back piece: A

- 1) 1. ♙xd7+ ♜xd7 2. ♜h7
- 2) 1. ... ♜a1+ ♜xa1 2. ♖xd2
- 3) 1. ... ♜xf2+ 2. ♜xf2 ♙b6
- 4) 1. ♖xc7 ♜xc7 2. ♙f4
- 5) 1. ... ♖xg2+ 2. ♖xg2 ♜xf1+
- 6) 1. ... ♜xc4+ 2. ♙xc4 ♖xe2
- 7) 1. ... ♜xc3 2. ♖xc3 ♙f6
- 8) 1. ... ♜xd4 2. ♜xd4 c5
- 9) Drawing
- 10) 1. ♖xd5+ ♖xd5 2. ♙g2; 1. ♙g2 ♙b7
- 11) 1. ... ♖xg2+ 2. ♖xg2 (2. ♜xg2 ♜a1+) 2. ... ♜g3#
- 12) 1. ♖a3+ ♜e7 2. ♜g8!

### 21 Pin / Luring front or back piece: B

- 1) 1. ... ♜xe4 2. ♜xe4 d5
- 2) 1. ♜xe8+ ♖xe8 2. ♜xd5
- 3) 1. ♙xd7 ♖xd7 2. e4
- 4) 1. c6 Lxc6 2. b5
- 5) 1. f3 ♙xf3 2. 0-0 (2. ♜f1 ♙xg2) 2. ... e4 3. dxe4
- 6) 1. b5 ♖xb5 2. ♖e2

- 7) 1. ♖xf8+ ♜xf8 2. ♕xe5
- 8) 1. ♖d5 ♕xe4 (1. ... ♖xd5 2. ♖xd3) 2. ♖xe7 ♕d3 3. ♖c8
- 9) 1. ... ♖d1+ 2. ♖f1 ♜xf4
- 10) 1. ♖xf6+ gxf6 2. ♜xe5
- 11) 1. ♖e6 ♖g7 2. ♖e7
- 12) 1. ... ♕xh3 2. ♕xh3 g5 3. ♕xg5 ♖xh3

22 Endgame / Passed pawn: A

- 1) 1. g7 ♕xg7 (1. ... ♕d6 2. g8♜) 2. ♕f4#
- 2) 1. ♖e4 ♖xe4 2. g8♜
- 3) 1. ♕c4+ ♖h8 2. ♕f7
- 4) 1. ♖xf8+ ♖xf8 2. d7+
- 5) 1. ... ♖a3 2. ♖xa3 ♕xd6+
- 6) 1. ... ♕e1+ (1. ... b1♜ 2. ♖b5+ ♖a2 3. ♖xb1 ♖xb1=)
- 7) 1. ♖c8 ♖xa7 2. ♖xc5
- 8) 1. ♜e6+ ♜xe6 2. dxe6
- 9) 1. ♕e5+ ♖xe5 (1. ... ♕xe5 2. a6) 2. g7
- 10) 1. ♕f4 (1. ♕c1+ ♖b4 2. ♕b2 d4 ; 1. ♕xh6 ♖b4) 1. ... ♕xf4 (1. ... ♕g7 2. ♕d6#) 2. g7
- 11) 1. ♖c7 ♖h8 2. ♖c8
- 12) 1. ♕c4+ ♖xc4 2. d7

23 Endgame / Passed pawn: B

- 1) 1. ♜c8+ ♖xc8 2. d7
- 2) 1. ♖h5 ♖xh5 2. fxe7
- 3) 1. e4 (1. ♖xe6+ ♖xe6 2. e4 ♖f4) 1. ... ♖xe7 2. b7
- 4) 1. ♜c3+ ♖xc3+ 2. ♖xb2
- 5) 1. ♜h2+ ♖xh2 2. b8♜+ ♜xb8+ 3. ♖xb8
- 6) 1. ♖d7+ ♖b8 2. ♖xd6 ♖f1 3. ♖d8+
- 7) 1. ♖c8+ (1. d7+ ♖f7 2. ♖c8 ♖a5+ 3. ♖c6 c2) 1. ... ♖xc8 2. d7+
- 8) Drawing
- 9) 1. ♜xc5 ♖xc5 2. a7
- 10) 1. ♖d8 ♖xd8 2. ♕f6+
- 11) Drawing
- 12) 1. ♖g7+ ♖h8 2. ♖h7+ ♖g8 3. ♖h8+ ♖xh8 4. g7+

24 Endgame / Defend against a passed pawn: A

- 1) 1. ♕c4+ ♖xc4 2. ♖xe2 ♖c3 3. ♖d1 ♖d3 pat ½-½
- 2) 1. ... ♖e5 2. a7 ♕e6 3. a8♜ ♕d5+
- 3) 1. ♖d7 a2 2. ♖e7 a1♜ 3. ♕f6+
- 4) 1. ♖e1 dxe1♜ (1. ... ♖xe1 2. ♕a5) 2. ♕h4+
- 5) 1. ♖e4 g1♜ 2. f4+
- 6) 1. ♕d7 ♖xc7 2. ♕xh3
- 7) 1. ♖f3 ♖xf3 2. ♕h5+ ♖e3 3. ♕xe2
- 8) 1. ♕f1 (1. ♖xh5+? ♖e3) 1. ... ♖xg3 (1. ... g1♜ 2. ♖e2+) 2. ♕xg2
- 9) 1. ♕d3 ♕xd3 (1. ... g1♜ 2. ♖xf1+) 2. ♖g1 ♕f1 3. ♖xg2 (3. ♖xc5)
- 10) 1. ♖c8+ ♖xc8 2. cxb7+ ♖xb7 3. ♖b2
- 11) 1. ♖e1 h2 2. ♖d1+ ♖c2 3. ♖f2
- 12) 1. ♖e4 g2 2. ♖d2+

25 Double attack / Eliminating the defence: A

- 1) 1. ♕xc6+ ♕xc6 2. ♖e5+ (capturing)
- 2) 1. ♜xe5 ♖xe5 2. ♖f6+ (capturing)
- 3) 1. a5 ♖c8 2. ♖d5 (chasing away)

- 4) 1. ♖xe8+ ♜xe8 2. ♝c6+ (capturing)
- 5) 1. ... d4 2. ♞e4 ♞b3+ (chasing away)
- 6) 1. ... ♖xf3 2. gxf3 ♞e2+ (capturing)
- 7) 1. ♜a6+ ♜xa6 2. ♞xd7+ (luring away)
- 8) 1. ♜xd7+ ♞xd7 2. ♞xa6+ ♖b6 3. ♞xb4 (luring away)
- 9) 1. ♜xf7+ ♜xf7 2. ♞e6+ (capturing)
- 10) 1. ♞xb7 ♞xb7? 2. ♞e6+ (luring away)
- 11) 1. ... ♞hxf3+ 2. ♞xf3 ♞xh3+ (luring away)
- 12) 1. ... g4 2. ♞f4 ♞f3+ (interfering)

26 Double attack / Eliminating the defence: B

- 1) 1. ♞xd5 ♜xd5 2. ♖c3+ (capturing)
- 2) 1. ♞xc6 dxc6 2. ♖a3+ (capturing)
- 3) 1. ♞xf5 exf5 2. ♖xd5+ (luring away)
- 4) 1. ♞g5 fxg5 (1. ... g6 2. ♖h4+) 2. ♖h5+ (interfering)
- 5) 1. ♞g5 fxg5 2. ♖h5+; 1. ... g6 2. ♖h4+ (interfering)
- 6) 1. ♞xf6 ♖xf6 2. ♖d5+ (capturing)
- 7) 1. ♞xg6+ hxg6 2. ♖h4+ (luring away)
- 8) 1. ... ♞e3 2. fxe3 ♖xe3+ (luring away)
- 9) 1. ♜e7 ♖xe7 2. ♖xd5+ (luring away)
- 10) 1. ... ♞xg2 2. ♖xg2 ♖a5 (luring away)
- 11) 1. ♞d4 exd4 2. ♖b3+ (interfering)
- 12) 1. e5 ♞e8 2. ♖d3 (chasing away)

27 Double attack / Eliminating the defence: C

- 1) 1. ... ♜xh3 2. ♖xh3 ♖c6+ 3. ♖g1 ♖xe8
- 2) 1. ... ♞xe4 2. ♖xe4 ♖h6+
- 3) 1. ♞b4+ ♞d6 2. ♜h7+
- 4) 1. ... ♜xf3 2. ♖xf3 ♖g5+
- 5) 1. ♞xh6 ♞xh6 2. ♖d4
- 6) 1. ♞f6+ gxf6 2. ♖g1+
- 7) 1. ♞xe6 fxe6 2. ♖h5+ ♖d7 3. ♖xc5
- 8) 1. ♜b5+ cxb5 2. ♜c8+
- 9) 1. ♞e3 ♖d7 2. ♖b3+
- 10) 1. ♞xf5+ gxf5 2. ♖g5+
- 11) 1. ... ♞h3 2. f3 ♖b6+ 3. ♖f2 ♖xf6
- 12) 1. ... ♞h4+ 2. gxf4 ♖g6+ 3. ♞g3 ♖xc2 (3. ... ♞xg3? 4. ♜cc1)

28 Mate / Magnet: A

- 1) 1. ♜e8+ ♖xe8 2. ♖e7#
- 2) 1. ♜h8+ ♖xh8 2. ♖h7#
- 3) 1. ♖h6+ ♖xh6 2. ♜h1#; 1. ... ♖g8 2. ♜c8+ and mate
- 4) 1. ... ♜a3+ 2. ♖xa3 ♖a6+ and mate
- 5) Drawing
- 6) Drawing
- 7) 1. a4+ ♖xa4 2. ♖b3+
- 8) 1. ♖f8+ ♖xf8 2. ♜xf7+ ♖e8 3. ♜f8+ ♖d7 4. ♜2f7#
- 9) 1. ♜h8+ ♖xh8 2. ♖e8+ ♖h7 3. ♖g8#
- 10) 1. ♜h8+ ♖xh8 (1. ... ♖xh8 2. ♖h7#) 2. ♖f7#
- 11) 1. ... ♜h2+ 2. ♖xh2 ♖f4+ 3. ♖h1 ♖f3+ 4. ♖h2 ♖g2#
- 12) 1. ♖f6+ ♖xf6 2. ♞e5#; 1. ... ♖g8 2. ♞e5 and mate.



### 29 Mate / Magnet: B

- 1) 1. ♖c4+ ♕xc4 2. ♜c3#
- 2) 1. ♖xh7+ ♕xh7 2. ♜f7+ ♕h6 3. ♜xg6#; 2. ... ♕h8 3. ♜xg6#
- 3) 1. ... ♜h1+ 2. ♕xh1 ♘f3+ 3. ♕g1 ♖d1#
- 4) 1. ♜f8+ ♕xf8 2. ♖d8#
- 5) 1. ... ♘d3+ 2. ♕xd3 ♜d1#
- 6) 1. ... ♜g1+ 2. ♕xg1 ♖bxg2+ 3. ♕h1 ♖g1+ 4. ♖xg1 ♜f2#; 2. ♖xg1 ♜f2#
- 7) 1. ♖b8+ ♕xb8 2. ♖h8#
- 8) 1. ... ♖h1+ 2. ♕xh1 ♜h3+ 3. ♕g1 ♜f3#
- 9) 1. ... ♖g1+ 2. ♕xg1 ♜xh2+ 3. ♕f1 ♜h1#
- 10) 1. ... ♖a3+ 2. ♕xa3 ♜a1+ 3. ♕b3 a4#
- 11) 1. ... ♘xh3 2. ♕xh3 ♜f4 and mate on g3.
- 12) 1. ♖h7+ ♕xh7 2. ♜h2+

### 30 Strategy / Pawn structure: A

- 1) 1. ... c5 2. bxc5 ♘xc5  
The black bishop is more active now; besides that the white pawns are split up.
- 2) 1. ♜d5+ and 2. ♜xf6  
The black pawn structure got worse; especially pawn f7 is a problem child. Black can try to play f5 and f6, but then f5 will become a target for the white bishop.
- 3) Drawing
- 4) 1. ... g5 2. fxg6? ♘xg4  
Thanks to the pin of the white f-pawn Black can solve the problem of his backward pawn. Otherwise the rook should take over the protection of the g-pawn. The rook is no longer occupied by protecting the h-pawn.
- 5) 1. ♘xc6+ bxc6 2. ♜xf3  
Before White takes back on f3, he weakens the pawn structure of the opponent.
- 6) Drawing
- 7) 1. f5 ♘xc4 2. bxc4; 1. ♘xe6 fxe6 and there is nothing to worry about.  
White allows a double pawn. Black can not protect his weak pawn anymore.
- 8) 1. e5 ♘c7 2. ♘xg6  
White doesn't take on d5 because after 1. exd5 exd5 White remains with a pawn on e3 which can be attacked very easily. He prefers to move his e-pawn forward with tempo to deliver Black a weak double g-pawn.
- 9) 1. ♖c1 c5 2. ♖c4  
Of course White doesn't exchange on d5. The weak pawn on c6 must remain on the board. The rook is the best piece to attack the weak c- and a-pawns.
- 10) 1. ... h4 2. ♘xe5 dxe5  
Black gets a strong pawn duo in the centre.
- 11) 1. h5 ♘f5 2. h6  
Advancing the h-pawn is worsening the black pawn structure after 2. ... gxh6 3. ♘xf6 or after 2. ... ♘f8, when it is up to White in which moment he will take on g7.
- 12) 1. ♖e2  
It would be foolish to exchange the weak pawn on e5 for the f2-pawn. White can still take it on the next move.

### 31 Test / Mix: E

- 1) 1. ♘d7 ♕xd7 (1. ... ♖b2+ 2. ♕c1! ♕xd7 3. e8♜+ ♕xe8 4. ♖xh8+) 2. e8♜+ ♕xe8 3. ♖xh8+ (cashing in a passed pawn)
- 2) 1. ... ♖xd4 2. ♖xd4 ♜g5 or 1. ... ♜g5 (double attack: eliminating the defence)
- 3) 1. ♜xd5 winning a pawn (luring the front piece)
- 4) 1. ... ♖g1+ 2. ♕xg1 ♜f3+ 3. ♕h1 ♜h2# (magnet)
- 5) 1. d6 ♘xd6 2. ♖b6 (luring the front piece)

- 6) 1. ♖h8+ ♕xh8 2. ♗xh6+ ♕g8 3. ♗xg7# (luring the back piece)
- 7) 1. ♔d8 or 1. ♙d8 (interfering)
- 8) 1. ♕d3 ♔g5 (1. ... ♔d6 2. ♙c5; 1. ... ♔g3 2. hxg3 fxg3 3. ♕e2 h5 4. ♕f3 h4 5. ♕g4 ; 1. ... e5 2. ♕xe4 exd4 3. ♕xd4 ♕xf7 4. ♕e4) 2. ♙f6+ (cashing in a passed pawn)
- 9) 1. ... ♗xf3+ 2. ♕xf3 ♔h4+ 3. ♕f4 g5# (mate)
- 10) 1. ... ♖xc1 2. ♖xc1 ♗h6 (double attack: luring)
- 11) 1. ♔c6! ♖xe3 2. ♗xc2; 1. ... ♖xc6 2. ♖xe7 (interfering)
- 12) 1. ... ♗xe2 2. ♖xe2 f6 (luring the back piece)

### 32 Test / Mix: F

- 1) 1. ... ♙xe3 2. fxe3 ♔c2 (double attack: luring)
- 2) 1. f4 ♙d6 2. ♗xe6+ (attack on a pinned piece)
- 3) 1. ♗a8 ♖xa8 2. ♔xe7+ (double attack: eliminating the defence)
- 4) 1. ♗f8+ ♕xf8 2. ♖h8#; 1. ... ♖xf8 2. ♔e7# (luring away + mate/ blocking)
- 5) 1. ... ♙e7 2. ♗xg5 ♙xg5+; 2. ♖dh1 ♗xf4 3. ♖xf4 ♙g5 (double attack)
- 6) 1. ... ♙e2 2. f3 ♔xg3; 2. ♗xe2 hxg6 (defending against a pin)
- 7) 1. ♙c4 ♖g7 2. ♖h8+ (double attack: eliminating the defence)
- 8) 1. ♗g6+ ♕xg6 2. ♗g4# (magnet)
- 9) Drawing
- 10) 1. ♖h7+ ♖xh7 2. ♗xg5+ ♕xg5 3. d8♗+ (cashing in a passed pawn)
- 11) 1. ... ♙f6+ 2. ♙c3 ♗d2 (luring the front piece)
- 12) 1. ♗g8+ ♕xg8 2. ♔g6 (mate)

### 33 Rook ending / Passed pawn: A

- 1) 1. ♖a6 ♖xa6 2. bxa6 and 3. a8♗+
- 2) 1. ♖d6+ ♖xd6 2. b8♗
- 3) 1. ♖h3+ ♕g8 2. ♖g3 ♖xg3 3. d7; 1. ♖f8+? ♕h7 2. ♖d8 ♖g5 3. ♕d2 ♕g7
- 4) 1. ... ♖g4+ 2. ♕c5 ♖h4 with promotion.
- 5) 1. ♖e3 ♕xe3 2. e7 ♖d1+ 3. ♕c2 ♖d2+ 4. ♕c1 with promotion.
- 6) 1. ♖d4 ♕xd4 2. d7 with promotion.
- 7) 1. ... ♖d1+ 2. ♕xd1 exf2 with promotion.
- 8) 1. h6+ ♕g8 2. h7+ ♕g7 3. ♖xf8
- 9) 1. ... ♖b2+ 2. ♕e3 ♖b3+ 3. ♖xb3 a1♗ or 2. ♕d1 ♖b1+
- 10) 1. ♕b4 ♖a1 2. ♖c5+ and 3. ♖a5; 1. ♖c5+?? ♖xc5+ with check!
- 11) 1. exd6 ♖xe1+ 2. ♕f2 ♖e8 3. dxc7 and 4. d6
- 12) 1. ... ♖c1! followed by 2. ... d2; 2. ♕e3 fails to 2. ... ♖e1+.

### 34 Endgame / Material advantage: A

- 1) 1. ♙c7+ ♕xa4 2. ♔c3#
- 2) 1. ♙e6 (1. ♖xc6? c1♗ 2. ♖xc1 is stalemate)
- 3) 1. ♖d4 ♕b8 2. ♔a6+
- 4) 1. ♖c7+ ♕xd6 2. ♔b5#
- 5) 1. ♕a1 (1. ♔xa3?) (1. ♔d2? ♖xc3 2. ♕xc3 ♕a3 3. ♕c2 ♕xa2)
- 6) 1. ♔d6 ♖xc7 (1. ... ♕xd6 2. ♖xb7) 2. ♖a6#
- 7) 1. ♖e8 ♖xd7 (1. ... ♕xd7 2. ♖e7+) 2. ♙e5#
- 8) 1. ♔a5 ♕xa5 (1. ... ♙xc4+ 2. ♔xc4+) 2. ♙c7#  
4<sup>th</sup> edition: 1. gxh7 ♕g7 2. ♕e6+ ♕f8 3. ♙g7+ ♕xg7 4. ♕e7 (wrong theme: position should be #10 on page 35)
- 9) 1. ♖e4 ♖xb7 2. ♖e8#
- 10) 1. ♖dd5 ♖c1+ 2. ♕d2 ♖xf5 3. ♔xf5+ ♕e6 4. ♖d6+ and 5. ♕xc1
- 11) 1. ♗c6 ♕xf5 (1. ... ♗xc6 2. ♔e7+) 2. ♗e4#
- 12) 1. ♖d2+ ♕xe1 2. ♖d4

### 35 Endgame / The last pawn: A

- 1) 1. ♖e7 (1. h7? ♗g7 2. ♖f6 ♗h8 ½-½) ♗f6 2. ♗e3
- 2) 1. ♗e3 d2 2. ♗d4 d1♙+ 3. ♙xd1 ♗xb7 4. ♗c5
- 3) 1. e4 (1. ♙a6 ♗e3 1. ♙d2+ ♗g3 2. ♙a6 - 2. ♙e1+ ♗f4 - 2. ... ♗f2) 1. ... dxe3 2. ♙d6#
- 4) 1. ♖d7+ (1. a5? ♗b5 2. a6 ♗b6 3. a7 ♗c7) 1. ... ♗b4 2. ♖b6 ♗a5 3. ♗b7 ♗b4 4. ♗a6
- 5) 1. ♗e7 ♙xh5 2. ♙f6+ ♗g6 3. ♙d3#
- 6) 1. ♙a6 ♙xa6 2. ♙d7+ ♗f6 3. ♙d6+ ♙xd6 5. a8♙
- 7) 1. ♙g6 ♙xf4 2. ♙d3#
- 8) 1. ♙d4+ ♗a6 2. b5+ ♗xb5 (2. ... ♙xb5 3. ♙c8#) 3. ♙c4#
- 9) 1. ♖b5 ♙c4 2. ♙e5 ♙xb5 3. c4+
- 10) 1. gxf7 ♗g7 2. ♗e6+ ♗f8 3. ♙g7+ ♗xg7 4. ♗e7  
4<sup>th</sup> edition: 1. ♖a5 ♗xa5 (1. ... ♙xc4+ 2. ♖xc4+) 2. ♙c7# (wrong theme: position should be #8 on page 34)
- 11) 1. ♙h5+ ♗e6 2. ♗d4 ♗f5 3. g6 ♗f6 4. ♗e4 h3 5. ♗f3
- 12) 1. ♗xe6 c1♙ 2. g8♖+ ♗h7 3. ♖f6+

### 36 Double attack / Chasing: A

- 1) Drawing
- 2) 1. ... ♙c5+ 2. ♗f1 ♖e3+; 2. ♗h1 ♖f2+
- 3) 1. ♖b6+ ♗b8 2. ♖d7+
- 4) 1. ... ♙b7+ and 2. ... ♖e2+
- 5) 1. ... ♙d1+ 2. ♗g2 ♙c2+
- 6) 1. ♙e5+ ♗f7 2. ♙d5+
- 7) 1. ♙e8+ ♗h7 2. ♙e4+; 1. ♙a8+? ♙d8
- 8) 1. ... ♙e1+ (1. ... ♙e4+ 2. ♙g2 ♙b1+ 3. ♙g1) 2. ♗g2 ♙e4+
- 9) 1. ♙e3 (1. ♖c7+ ♗d8 2. ♙e3 ♙xe4+) 1. ... ♙a8 2. ♖c7+
- 10) 1. ♙c2+ ♗g8 2. ♙c8+ ♙f8 3. ♙xb7
- 11) 1. b4 ♙d4 2. ♙e4+
- 12) 1. f4 ♙d6 2. e5

### 37 Double attack / Targeting: A

- 1) 1. ♙b2 ♙d1 2. ♙b4+
- 2) 1. ♖f5 ♙f6 2. ♖h6+
- 3) 1. ... ♖f3+ 2. ♗xg2 ♖d2
- 4) 1. ♖c7 ♙c8 (1. ... ♙e5 2. ♙xe5+ dxe5 3. ♖xa8) 2. ♖e6+
- 5) 1. ... ♙d4+ 2. ♙f2 ♙b4
- 6) 1. ... ♖c5 2. ♙bb1 ♖d3
- 7) 1. ... ♙e2 (1. ... ♙g6? 2. ♙b2) 2. g3 ♙e3+
- 8) 1. ... ♙d4+ 2. ♙e3 ♙b2 3. ♙c2 ♙xb5
- 9) 1. ♙a7 ♙e7 2. ♙a2+
- 10) 1. ... ♖d4 2. ♙e3 ♖e2+
- 11) 1. ♙d5+ ♙f7 2. ♙h5
- 12) 1. ♖c5 ♙e5 (1. ... dxc5 2. ♙d7) 2. ♖a6

### 38 Double attack / Chasing or targeting: A

- 1) 1. g3+ ♗f3 2. ♙g4+
- 2) 1. ♙f7+ ♗xd6 2. ♙f6+
- 3) 1. ... ♙d6+ 2. ♗xg5 ♙d2+ 3. ♗f5 ♙xh6
- 4) 1. ♙f2+ ♗h5 2. g4+ ♗g5 3. ♙e3+
- 5) 1. ... ♙e7 2. ♙g3 ♙h4
- 6) 1. ... ♙f8+ 2. ♗xe5 ♙e8+
- 7) 1. ♖c4+ ♗a4 2. ♙a6+ ♗b4 (2. ... ♗b3 3. ♖d2+) 3. ♙b6+
- 8) 1. ♙c4+ ♗d3 2. ♙f5+ ♗xc4 3. ♙xb1

- 9) 1. ♖d2 ♜xc4 2. ♜c1
- 10) 1. ♖g1+ (1. ♖f2+? ♜b5) (1. ♖e3+? ♜b4) 1. ... ♜d6 (1. ... ♜b5 2. ♖b1+) 2. ♖h2+
- 11) 1. ♖h8+ ♜e7 2. ♖f8+
- 12) 1. ♖c7 ♖xb4 2. ♜b1

39 Double attack / Chasing or targeting: B

- 1) 1. ♜c3+
- 2) 1. ♜d7 ♖e7 2. ♖xb8
- 3) 1. ... ♖d6 2. g3 ♖c5+
- 4) 1. ♖b8+ ♜f7 2. ♖f4+
- 5) 1. ♖b3+ ♜h8 2. ♜d5
- 6) 1. ... b5 2. ♜e3 c4
- 7) 1. f4 ♜e6 2. ♜g7+
- 8) 1. ... ♖b1+ 2. ♜h2 ♖b8+
- 9) 1. ... ♖e5 2. ♖d2 ♖e4
- 10) 1. ♖e3+ ♜f8 2. ♖a3+
- 11) 1. ... e6 2. ♖a2 (2. ♖b3 ♖b6+) 2. ... ♖a7+
- 12) 1. ♜f1 ♖g7 2. ♖f3

40 Mating pattern (♜♖): A

- 1) 1. ♖xh7+ ♜xh7 2. ♜h1+ ♖xh1 3. ♜h3#
- 2) 1. ... ♖c5+ 2. ♖xc5 ♖e1+ 3. ♜xe1 ♜f1#
- 3) 1. ... ♖xg2+ 2. ♜xg2 ♜g8+ 3. ♜h3 ♖c8#
- 4) 1. ... ♖xf1+ 2. ♜xf1 ♖d3+
- 5) 1. ♜f3+ ♜h8 2. ♜g6+ hxg6 3. ♜h3#
- 6) 1. ♖xg8+ ♜xg8 2. ♜h8+ ♜xh8 3. ♖f7#
- 7) 1. ... ♜xh2+ 2. ♖xh2 ♖xh2+ 3. ♜xh2 ♜h8#
- 8) 1. ♜e7+ ♜h8 2. ♜g6+ hxg6 3. hxg3#
- 9) 1. ♖a8+ ♜h7 2. ♖h8+
- 10) 1. ♜a8+ ♜xa8 2. ♖xc7 gxh3 3. ♜a1#
- 11) 1. ♖xd4 ♖xd4 2. ♖xd4 b5 3. ♜h8#
- 12) 1. ♖e6+ ♜b7 2. ♖d5+ ♜a7 3. ♜a8#; 1. ♖d5+ ♖xh8

41 Mating pattern (♜♜): B

- 1) 1. ♖h7+ ♜f8 2. ♖h8+ ♖xh8 3. ♜xh8#
- 2) 1. ♖xh6+ ♖xh6 2. ♜xh6+ ♜g7 3. ♜f5#
- 3) 1. ♖h7+ ♖xh7 2. ♜f8+ ♖g8 3. ♜xg8#
- 4) 1. ♖xh7+ ♜xh7 2. ♜h3+
- 5) Drawing
- 6) Drawing
- 7) 1. ♜e7+ ♜h8 2. ♖xh7+
- 8) 1. ♜df7+ ♜h7 2. ♜g5+
- 9) 1. ♖xh6+ ♖xh6 2. ♜g5+ ♜h8 3. ♜h7#
- 10) 1. ♖g6 fxg6 2. ♜xg7+
- 11) 1. ... ♖h3 2. ♜bg1 ♖xh2+
- 12) 1. ♖xg7+ ♜xg7 2. ♜xh6+

42 Mating pattern (♜♖): C

- 1) 1. ♖xf6+ ♖xf6 2. ♖xf6+ ♜g8 3. ♜h6#
- 2) 1. ... ♜f4+ 2. ♜xf3 ♖xf3+ 3. ♜g1 ♜h3#
- 3) 1. ... ♖g1+ 2. ♜xg1 ♜f2+ 3. ♜h2 ♖e5#
- 4) 1. ... ♖b4+ 2. ♜a1 ♖c3+
- 5) 1. ... ♖xg2+ 2. ♜xg2 ♖f3+
- 6) 1. ♖xh7+ ♜xh7 2. ♜g6+

- 7) 1. ♖g6+ ♜h7 2. ♜e5+
- 8) 1. ♜xc7+ ♜xc7 2. ♜d5+
- 9) 1. ... ♜xcg2 2. ♜xcg2 ♜f4+
- 10) 1. ♜ef6+ gxf6 2. ♙h6+ hxg4 3. ♜f6#
- 11) 1. ♜f6 gxf6 2. ♜h6+
- 12) 1. ♜g8+ ♜xcg8 2. ♜e7+

43 Attacking the castled king: A

- 1) 1. ♙xh7+ ♜h8 2. ♙g6+ ♜g8 3. ♜h7+ ♜f8 4. ♜xf7#
- 2) 1. ♜g7+ ♙xg7 2. ♙xg7+ ♜g8 3. ♙f6#
- 3) 1. ♜g7+ ♙xg7 2. ♚d8+ ♙f8 3. ♚xf8#
- 4) 1. ♙h6+ ♜xh6 2. ♜f6+ ♜h5 3. g4#
- 5) 1. ♜g3 ♚g8 2. ♜c3+
- 6) 1. ♚f4 exf4 2. gxf4 and 3. ♚g1
- 7) 1. ... ♜g3+ 2. ♜g1 ♜g2+ 3. ♚xg2 ♜h3#
- 8) 1. ♙f6
- 9) 1. ♜g4 fxg4 2. ♙xh7+ and as in position 1.
- 10) 1. ♜h6 ♜e7 (protects f7 - see 1) 2. ♜xh7+ ♜f8 3. ♜h8#
- 11) 1. ♜xf7 ♜xf7 2. ♚g8+ ♚xg8 3. ♜xf7#
- 12) 1. ♜g4+ ♜h8 2. ♜h4

44 Attacking the castled king: B

- 1) 1. ♜f6+ gxf6 2. ♜g3+ ♜h8 3. ♙xf6#
- 2) 1. ♜xh7+ ♚xh7 2. ♚g8+ and mate; 1. ... ♜xh7 2. ♚h5#
- 3) 1. ♜g6+ hxg6 2. ♜h6+ ♙h7 3. ♜xcg7#
- 4) 1. ♜e7+ ♜h8 2. ♚xh7+ ♜xh7 3. ♜h1#; 2. ... ♜xh7 3. ♜g6#
- 5) 1. ♜g6+ fxg6 2. ♜xh7+ ♜xh7 3. ♚h4#
- 6) 1. ♜h6+ gxh6 2. ♜xf6; 1. ... ♜h8 2. ♜xf6!; 2. ♙xf6? exf3
- 7) Drawing
- 8) Drawing
- 9) 1. ♜h5 ♙h4 2. ♜xh7+ ♜xh7 3. ♚xh4+ ♜g8 4. ♚h8#; 1. ... gxh5 2. ♚g3+ and mate.
- 10) 1. ♜g6 hxg5 (1. ... fxg6 2. ♜e7+ ♜h8 3. ♜xcg6+) 2. hxg5 fxg6 3. ♜e7#
- 11) 1. ♜xh7+ ♜xh7 2. ♚h5+ ♜g7 3. ♙h6+ ♜h8 4. ♙f8#
- 12) 1. ♜c7+ ♜a7 2. ♜xb7+ ♜xb7 3. ♚b3+ ♜a7 4. ♚c7#

45 Attacking the castled king: C

- 1) 1. ... ♜e2+ 2. ♚xe2 ♜f4
- 2) 1. ♜xcg7+ ♜xcg7 2. ♚h8! and 3. ♚h7#
- 3) 1. ♚e8 ♜xe8 2. ♜xf6+; 1. ... ♙c4 2. ♜g7#
- 4) 1. ♜h6 ♚g8 2. ♚e8 ♜xe8 3. ♜f6+
- 5) 1. ♜f6+ ♙xf6 2. ♙d3
- 6) 1. ♜f5 fxg5 2. ♜e7#
- 7) 1. ♚e7 ♚xe7 2. ♜xf8#; 1. ... ♙xe7 2. ♜xh7#
- 8) 1. ♙xh7+ ♜xh7 2. ♜xf7+ ♜h8 3. ♜g6#
- 9) 1. ♚g3+ ♜h8 2. ♚e4; 1. ♚e4? ♜g7
- 10) 1. ♚f5 and 2. ♜h6
- 11) 1. ♚xd7 ♙xd7 2. ♜f6+ ♜f8 3. ♜d5
- 12) 1. ♜f6 ♙xf6 (otherwise 2. ♚h8+) 2. gxf6 and 3. ♚h8#

46 Seventh rank: A

- 1) 1. ♜f1+ ♜e8 2. ♜b5+ ♜f8 3. ♜xc5+
- 2) 1. ♚b7+ ♜a8 2. ♜xc8+ ♚xc8 3. ♚xa7+ ♜b8 4. ♚hg7#
- 3) 1. ♚a7+ ♜b8 2. ♚cb7+ ♜c8 3. a6 and mate op a8.

- 4) 1. ... ♖xb2 2. ♜xa8+ ♕e7
- 5) 1. ♜f7 ♖g6 2. ♜h7#
- 6) 1. ... ♜xe4+ (1. ... ♜f3? 2. ♜xh7#) 2. ♜xe4 ♜f3
- 7) 1. ♜f6+ ♕h8 2. ♜xh6+; 1. ... gxf6 2. ♜e6+ ♕h8 3. ♜xf6+; 1. ♜xh6? b1♜!
- 8) 1. ... ♖g2 2. a8♜ ♖bf2+ 3. ♕e1 ♖g1#
- 9) 1. ... ♜xf3 2. gxf3 ♖d2
- 10) 1. ♜xg6 fxg6 2. ♖xg7+ ♕h8 3. ♖h7+ ♕g8 4. ♖ag7#
- 11) 1. ♜xf4+ ♜xf4 2. ♖cf7+ ♕e8 3. ♖g8#
- 12) 1. ♖xb7+ ♕a8 2. ♖a7+ (2. ♜xb6? ♖d1#) 2. ... ♕b8 3. ♜xb6+

#### 47 Seventh rank: B

- 1) 1. ♖f7 ♜xh3 2. ♖cxc7+ ♕b8 3. ♖b7+ ♕c8 4. ♖fc7#
- 2) 1. ♖g7+ ♕h8 2. ♜f8 (threatens 3. ♜g6#) 2. ... ♖xf8 3. ♖h7+ ♕g8 4. ♖cg7#
- 3) 1. ♜f6 ♕g7 2. ♜h6 and 3. ♜xh7# or 3. ♖xh7#
- 4) 1. ♖c8 ♖d8 2. ♖1c7
- 5) 1. ♜e8 ♜xe8 (1. ... ♜xd7 2. ♜xf6+) 2. ♜xf6+ ♕h8 3. ♖xh7#
- 6) 1. ♖c7+ ♕d8 2. ♖h7 ♜xh7 (2. ... ♜c6 3. ♖a8+ ♜xa8 4. ♖h8+; 2. ... ♜d6+ 3. ♖d2) 3. ♖a8+ ♕c7 4. ♖a7+
- 7) 1. c8♜ ♖xc8 2. ♜b7
- 8) Drawing
- 9) Drawing
- 10) 1. ♜d7 (threatens 2. ♖f8+)
- 11) 1. ... ♜g3 2. ♖f2 ♖xf2 3. ♖xg3 ♖xf4
- 12) 1. ♖c7 ♕e4 2. ♕g3

#### 48 Endgame strategy / Pawn ending: A

- 1) 1. h4 ♕d4 2. f6 (throwing up an obstacle; the black king will remain outside the square of the pawn)
- 2) 1. a4 ♕c5 2. a5 (the pawns control the king; White captures on h3 and approaches with the king)
- 3) 1. g3 g5 2. g4 ♕c6 3. ♕xc4; 1. g4? g5 (working with zugzwang)
- 4) 1. a5 bxa5 2. ♕d2 ♕b3 3. ♕c1 (shifting the key squares by delivering Black a rook's pawn)
- 5) 1. ... ♕b8; 1. ... b5 2. axb6 with draw (first activate the king)
- 6) 1. ... b6 2. ♕f3 a6 (candidate passed pawn in front)
- 7) 1. ... ♕c3 2. a4 ♕xd4 3. ♕e6 ♕c5 4. ♕e5 with a draw (first hold off the king)
- 8) 1. ... g5+ 2. hxg5 ♕g6 (first weakening the pawn structure)
- 9) 1. ... a6 2. ♕d2 ♕b3 (activating the king but first preventing b5)
- 10) 1. ... f5 (Black must activate his king, but first he must prevent White playing e4)
- 11) 1. ... f4 2. ♕c4 ♕g6 (activating the king; first 1. ... ♕g6 does not win after 2. g3)
- 12) 1. ... h4 (1. ... ♕g4 2. ♕h6 ♕xg3 3. ♕xh5) 2. gxh4 h5 (holding off the white king)

#### 49 Attacking in the endgame: A

- 1) 1. ... ♜f1 (1. ... ♜g4? 2. ♜f8+ ♕xf8 stalemate)
- 2) 1. ... ♕h6 2. ♜e6+ ♖f6
- 3) 1. c8♜ ♖xc8 2. ♕f7
- 4) 1. ... ♕g7 2. ♕g4 ♕d7#
- 5) 1. ♜f6 ♕d8 2. ♖d7+ ♕c8 3. ♖e7
- 6) 1. ♖d8+ ♕g7 2. ♖bb8
- 7) 1. ... ♕c4 2. f5 ♖e2+ 3. ♕f4 ♖e4#
- 8) 1. ♖h1 ♜d7 2. ♖a1
- 9) 1. ♕g5 fxg5 (1. ... g1♜ 2. ♕xf6+ ♕g8 3. h7+) 2. ♕g6
- 10) 1. ♖b5+ ♕xa4 2. ♖b7 ♖d8 3. ♕b3#
- 11) 1. f3 exf3 2. ♕h3 ♖6c7 3. g4#
- 12) 1. ... ♕f1 2. hxg6 ♕g5

50 Double attack / Clearing a square: A

- 1) 1. ♖xc6 ♗xc6 2. ♖d4+
- 2) 1. ♖a8+ ♕h7 2. ♖f3
- 3) 1. ... ♖xf3+ 2. gxf3 ♖d4+
- 4) 1. g5 ♖g7 2. ♖h3+; 1. ♖h3+? ♕g8 2. g5 ♖f5
- 5) 1. ... e2 2. ♗e1 ♗e3+
- 6) 1. ♖xf5 ♗xf5 2. ♖e6+
- 7) 1. ... ♖xf3+ 2. ♖xf3 ♖e3+
- 8) 1. ... d4 2. ♖d2 ♖d5
- 9) 1. ... ♖d7 2. ♖c4 e5
- 10) 1. ♖g8+ ♖xg8 2. f8♖+ ♕h8 3. ♖xe6
- 11) 1. ... ♖b3 2. ♗e1 ♖c4
- 12) 1. ♖c5 ♖xc5 (1. ... ♖f3+ 2. gxf3 ♗g1+ 3. ♕c2) (1. ... ♖xe3 2. ♖f8#) 2. ♖f5#

51 Double attack / Clearing a line: A

- 1) 1. c3 ♖e7 (1. ... ♖a5 2. b4) 2. ♖a4+
- 2) 1. d5 cxd5 (1. ... ♗xb3 2. dxe6) 2. ♖c5+
- 3) 1. ... dxc4 2. ♖xc4 ♖a5+
- 4) 1. ... ♖xc3+ 2. bxc3 ♖h4+
- 5) 1. ♖e3 ♖h5 2. ♖b3+
- 6) 1. ... e5 2. fxe5 fxe5 3. ♖e3 ♖d5+
- 7) 1. f6 ♖f8 2. ♖e6+ (2. fxg7 {%S} ♖xg7 3. ♖e6+)
- 8) 1. ... ♖f5 2. ♗f3 ♖b8+; 1. ... ♖b8? 2. ♖e5
- 9) 1. ♗xc3 bxc3 2. g4
- 10) 1. e6 fxe6 2. ♖c3; 1. ♖c3? ♖b4
- 11) 1. ♖xe6 (1. ♖d3? ♖g8 2. ♖xe6 ♖xe5) 1. ... ♗xe6 2. ♖d3
- 12) 1. g5 (1. ♖h3+? ♕g8 2. g5 ♖f5) ♖e7 2. ♖h3+

52 Double attack / Clearing: A

- 1) 1. ♖xd5 exd5 2. ♖c6
- 2) 1. ... c4 2. ♖xc4 ♖c5+ 3. ♕h1 ♖xa3
- 3) 1. ♖b6 ♗d8 2. ♗c5
- 4) 1. d6 ♖xd6 2. ♖e4
- 5) 1. ... d4 2. ♖xd4 ♖d5
- 6) 1. ♖xe7+ ♖xe7 2. ♖d5+ ♕g7 3. ♖xa8
- 7) 1. b6 axb6 (1. ... ♖b8 2. bxa7 ♗xa7 3. ♖xd6 ♖xd6 4. ♖b5) 2. ♖b5
- 8) 1. ♗xc5 dxc5 2. ♖a8+
- 9) 1. ... ♖xf3+ 2. ♖xf3 ♖c3+
- 10) 1. ... ♖e4 2. fxe4 ♖h4+
- 11) 1. ... b3 2. axb3 ♖b4 3. ♖d2 ♖xc6
- 12) 1. ... ♗b7+ 2. cxb7 (2. ♕a4 ♖c5+ 3. ♖xc5 dxc5 4. cxb7) 2. ... c5+

53 Double attack / X-ray: A

- 1) 1. ♖xh3 ♗xh3 2. ♗xg8+
- 2) 1. ♖g3+ ♕c8 2. ♖g5 ♖g6 3. ♖xd8
- 3) 1. ... d4 2. ♖xd4 ♖d5+
- 4) 1. ... f5 2. ♖d2 ♖b4
- 5) 1. ... ♖e7 2. ♖g3 ♖h4
- 6) 1. ... ♗b1 2. ♖xb1 ♖h1+
- 7) 1. ... ♖c6+ 2. ♖xc6 ♗b1+
- 8) 1. ... ♖xd5 2. exd5 ♗c3
- 9) 1. ... g5 2. ♖xg5 ♖e7 en 3. ... ♖xh4
- 10) 1. ♖f5 ♖e5 2. ♗a5+

- 11) 1. ♖f6+ exf6 2. ♗h7+
- 12) 1. ... c6 2. ♗c4 ♗c1+ 3. ♕f2 ♗xh1

#### 54 Endgame / Queen against pawn: A

- 1) 1. ♗e1 (the queen is on the promotion square)
- 2) 1. ... ♕c2 (½-½ because of the rook's pawn, the white king is too far away)
- 3) 1. ♕g3 (1. ♗xd2 stalemate)
- 4) 1. ♗a6 (the queen will come to the promotion square)
- 5) 1. ♗e5 ♕b3 2. ♕f5 c2 3. ♗a1 (the queen will come to the promotion square or the pawn does not reach on the second rank)
- 6) 1. ♕b3 c1♗ 2. ♗h7+ ♕a1 3. ♗a7+ (White's king is close enough to the pawn)
- 7) Drawing
- 8) Drawing
- 9) 1. ♕d3 (the white king is close enough to the pawn)
- 10) 1. ♕b4 ♕b2 2. ♕a4+ (White's king is close enough to the pawn)
- 11) 1. ♕f4 f1♗+ 2. ♕g3 (White's king is close enough to the pawn)
- 12) 1. ♗b3 or 1. ♗a1+ (preventing the black king to occupy the corner)

#### 55 Test / Mix: G

- 1) 1. ♗b8+ ♕h7 2. ♗b1+ (double attack: chasing)
- 2) 1. ♖e6 ♗xe3 2. ♖xd8+ (discovered attack)
- 3) 1. ... ♖xc3 2. ♖xa2 ♖f3+ ('seventh' rank)
- 4) 1. ♗g1+ ♕f8 2. ♗c1 (double attack: aiming)
- 5) 1. ♖g1+ ♕h8 2. ♗xh7+ ♕xh7 3. ♖h4# (mate by access)
- 6) 1. ♖c7+ ♕g6 2. ♗d1 (double attack: chasing)
- 7) 1. ... ♖e2 2. ♗xb6 ♖xg2+; 2. ♖xg5 ♖xf2 3. ♖xf2 hxg5 ('seventh' rank)
- 8) 1. ♗g6 (1. ♖xg7+ ♕xg7 2. ♗g4+ ♕h7 3. ♗xf4 dxc3) 1. ... ♗e5 2. f6 (attacking the king)
- 9) 1. ♖g4+ fxg4 2. ♗g6+ ♕h8 3. ♗h7# (attacking the king - access)
- 10) 1. h3 ♖h6 2. ♗e4 (double attack: eliminating the defence)
- 11) 1. ... ♗xg2+ 2. ♖xg2 ♖dxg2+ 3. ♕h1 ♖g1+ ('seventh' rank)
- 12) 1. ♗h5 ♖c6 2. ♗h2+ (double attack: aiming)

#### 56 Test / Mix: H

- 1) 1. ♖a8+ ♗d8 2. ♖xd8+ ♕xd8 3. ♖xf7+ (double attack: luring)
- 2) Drawing (Anand)
- 3) 1. ♗f8 ♖xf8 2. ♖e7# (mate)
- 4) 1. e4 ♗xe4 2. ♗b1 (luring the front piece)
- 5) 1. ♖xf6 ♗xf6 2. ♗c2; 1. ♗c2? ♖c4 (double attack: eliminating the defence)
- 6) 1. ♗xg6+ hxg6 2. ♖f6+ ♕g7 3. ♖h7# (attacking the king - access)
- 7) 1. d6 ♗xd6 2. ♗d2 (double attack: luring)
- 8) 1. ♖f6 ♗xe5 2. ♗xh6+; 2. ♖h6+? ♕g8 (attacking the king)
- 9) 1. ... ♗xh2+ 2. ♕xh2 ♖f3+ and 3. ... ♖f2# (double check: luring)
- 10) 1. ... ♗g3 2. fxg3 ♖xg2+ 3. ♕h1 ♖dd2 ('seventh' rank)
- 11) 1. ♗g6+ ♕e6 (1. ... ♕xg6 2. ♗h5#) 2. ♗c8+ ♗d7 3. ♗f5+ (double attack: chasing)
- 12) 1. ... ♗xf2+ 2. ♕xf2 ♖xe4+; 2. ♗xf2 ♖d3+ (double attack: luring)