

Step 3 Thinking Ahead

The page number and title of the exercise are written as: **3: The pin: A** (or B, C ...).

Most pages in the workbook have a layout of 4 rows and 3 columns. We read (4-2) as: fourth row, second column.

3: The pin: A

- 1) 1. ♖xb7 ♘c5 2. ♖xd5 (a pinned piece is not a good defender)
- 2) 1. ♜e2 ♞a3 2. ♙f2 (2. ♙d2? ♞d3+) (attack on a pinned piece)
- 3) 1. ♙xb6 ♞c6 2. ♙c5 ♞xc5 3. dxe5 ♙xe5 (a pinned piece is not a good defender)
- 4) 1. ... ♙h6+ 2. ♚b1 e5 (attack on a pinned piece)
- 5) 1. ... ♘e3 2. ♘d1 (2. ♘g4? ♘g4+) (attack on a pinned piece)
- 6) 1. ... ♖e7+ 2. ♖e2 ♙xb5 (a pinned piece is not a good defender)
- 7) 1. ... 0-0-0 2. 0-0-0 ♙xg5 (a pinned piece is not a good defender)
- 8) 1. ... ♙g8 2. ♖e6 (2. ♖d8? ♖a2) (attack on a pinned piece)
- 9) 1. ... ♞b8 2. ♞f1 (2. a5 ♘c4) (pin)
- 10) 1. ... bxc6 2. ♖xc6 ♞c7 (pin)
- 11) 1. ... ♚e8 2. f3 wins a piece (2. ... ♘d2 3. ♙xg6#) (attack on a pinned piece)
- 12) 1. ... ♘d8 2. ♞xb7+ ♘xb7 3. ♞e8# (a pinned piece is not a good defender)

4: The pin: B

- 1) 1. ... ♙c5 2. 0-0 ♙xf5 (a pinned piece is not a good defender)
- 2) 1. h3 ♖g3 2. ♖c7 ♙xe4 (threatens mate on g2 so 3. ♖xe7 is not possible) (a pinned piece is not a good defender)
- 3) 1. ... ♘h4 2. ♙d1? (2. ♚h1!) 2. ... ♖xg2+ 3. ♞xg2 ♞f1# (a pinned piece is not a good defender)
- 4) 1. h3 ♞h4 2. g3 ♞xb4 (a pinned piece is not a good defender)
- 5) 1. ♖h5+ ♚f8 2. ♙b5 (pin)
- 6) 1. ♖d3 ♞xd5 2. ♖xd5 ♖xd5 (a pinned piece is not a good defender)
- 7) 1. ♞fe1 ♘c5 2. ♖xd5 (a pinned piece is not a good defender)
- 8) 1. ... ♘xd5 2. ♙f3 (2. ♙c4? ♘f4) (pin)
- 9) 1. ... exf4 2. gxf4 ♞h5! (2. ... ♞g3+? 3. ♙b3) (attack on a pinned piece)
- 10) 1. ♞a6+ ♚b2 2. ♞a7 (pin cross pin)
- 11) 1. ♙b5+ ♙c6 2. ♘d5 (attack on a pinned piece)
- 12) 1. ... ♘xd5 2. ♙f3 (2. ♙c4? ♞e7) (pin)

5: Defend against a pin: A

- 1) 1. ♖xe4 f6 2. ♖d5+ (2. ♖h4? ♘g6)
- 2) 1. ♘c4 ♖d7 (1. ... ♘f3+ 2. ♖xf3)
- 3) 1. ♙d6 ♘d5 2. ♙e5
- 4) 1. ♞c1 b5 (1. ... ♘e5? 2. f4) 2. axb6 ♘xb6
- 5) 1. ♙h2 ♞e7+ 2. ♚f2 ♘d5
- 6) 1. ... ♚g7 2. ♖xc4 ♖xd7
- 7) 1. ... ♖e6 2. ♞e1 ♘e5 (2. ... ♖xf5 3. ♞e8#)
- 8) 1. ... ♙xh4 2. ♞g2 ♙g5+
- 9) 1. ♖g8 ♖d1+ 2. ♚xe6 ♖b3+
- 10) 1. ♞xc3 ♘a4 2. ♞e3
- 11) 1. ♞f1 e5 2. ♘e6 ♙xd2? 3. ♞f8#
- 12) 1. ♞xf6 ♞d2 2. ♞f8+ ♞xf8 3. ♖xd2

6: Defend against a pin: B

- 1) 1. ♙c2 f5 2. ♖g3
- 2) 1. ♞b1 a3 2. ♖d4 (2. ♖b3? ♖xb3 3. axb3 axb2)

- 3) 1. ♖b2 ♖e5 (1. ... ♖c5? 2. ♜d2) 2. ♜d2 ♜d5
- 4) 1. ... ♗e7 2. ♗xd5 ♕e2
- 5) 1. ... ♗xe4 2. ♖a4 ♖b4
- 6) 1. ♖xe5 ♗e7 2. ♜d5 (2. ♖g7+ ♗xd6)
- 7) 1. ♗c3 e4 2. ♖xe4 (2. ♗xe4 ♖c6) 2. ... ♕xc3
- 8) 1. ♗c4 ♖c5+ 2. ♗f1 ♖xc4+
- 9) 1. ♜h7 ♜g7 2. ♜xg7 ♖h6+
- 10) 1. ♖c2 ♗a4 2. ♖b1 (with a mating threat)
- 11) 1. ♜d2 (1. ♜d6 ♕e2) 1. ... ♕b5 2. ♗h2
- 12) 1. ♖xc6 ♜c8 2. ♕e2

7: Attack on a pinned piece: A

- 1) 1. ♜d8 ♜xb2 2. ♕d6 (2. ♕h6? ♜b8)
- 2) 1. f4 ♗xc6 2. ♜b6 (2. ♜c3? ♗b7)
- 3) 1. ♜xf4 ♜xb4 2. ♗e3 (2. ♗d6? ♕d5+) 2. ... ♕d5+? (2. ... ♕f1+? 3. ♜xf1) 3. ♗xd5
- 4) 1. ♕d4 ♜c6 2. ♖c1 (1. ♖c3? b4 2. ♖d2 ♕d6)
- 5) 1. ♗f3 ♗f6 2. ♕xc7 ♗e8 (2. ... ♗d5? 3. ♕d6+)
- 6) 1. ♜b5 ♜xh5 2. ♕e4 (2. ♕b3? ♕f3)
- 7) 1. cxb5 cxb5 2. ♕d4 (2. b4? ♕f8)
- 8) 1. ♖xd4 ♜xe5 2. ♜b5 (2. f4? ♖c5)
- 9) 1. g3 ♖h3 2. ♖e1 (2. f4? ♕d4+)

Attack all the squares

(4-2)

b5 g2 h7 ♖b7
a3 c7 h1 ♖c1
a5 f7 g2 ♖a2
a7 d1 h4 ♖d4
b2 f7 h3 ♖b3
d6 f7 g1 ♖g6

(4-3)

b7 c4 h6 ♖c6
a7 f8 h1 ♖a8
b1 b7 g8 ♖b3
b5 e7 h3 ♖d7
b3 e7 g1 ♖e3
a3 c2 g6 ♖d3

8: Attack on a pinned piece: B

- 1) 1. ... cxd4 2. cxd4 ♕d3 (2. ... b5? 3. ♕e6+)
- 2) 1. ... g6 2. ♗e4 (2. b4? ♕d6) 2. ... ♕d6 3. ♗xd6
- 3) 1. ... ♗xc4 2. ♖b3 (2. ♖b4? ♗xe3) wins a piece as 2. ... ♗a5 3. ♜xc6 the queen on b3 is protected.
- 4) 1. ♕xe8 ♗xe8 2. ♖h5 (2. ♖b5+? ♖d7)
- 5) 1. ... ♗f4 2. ♜e1 (bad, better is 2. ♕h7+ ♗f8) 2. ... f5 (2. ... d5? 3. ♕h7+) as 3. ♕d5+ ♗xd5 and the rook is protected.
- 6) 1. ♖c2 ♗xc5 2. ♕e3 (2. ♕a3? ♗e4 as 3. ♖xc8? ♗f2#)
- 7) 1. ♜xe3 dxe3 2. ♕xe3 ♗f5 (2. ... ♗e4? 3. ♕d4)
- 8) 1. ♕f4+ ♗d7 2. ♗e5+ (2. ♗d4? ♕b7) 2. ... fxe5 3. ♕xc6+ and 4. ♜h8+
- 9) 1. ... ♗d6 2. ♖f3 ♖e8 (2. ... f5? 3. ♕d5+)

Blind / Mate in two

(4-2)

- 1) 1. ♖a7 ♗c8 2. ♜c7#
- 2) 1. a8 ♙ ♖a6 2. ♜b7#
- 3) 1. ♖c7 ♖a6 2. ♜b6#
- 4) 1. ♖e6 ♖f8 2. ♙f6#

(4-2)

- 1) 1. ♖b2 ♖a4 2. ♜a3#
- 2) 1. ♜c7 ♖a6 2. b8 ♗#
- 3) 1. b8 ♙ ♖b6 2. ♙c7#
- 4) 1. ♜h4 ♖f8 2. ♜d8#

9: Mate: visualising: A

- 1) 1. ♜h8 ♗f4 2. ♜h4#
1. ♜h8 f4 2. ♜c8#
1. ♜h8 ♖f4 2. ♜d4#
1. ♜h8 ♖h3 2. ♜xh5#
- 2) 1. ♙c3 b4 2. ♜f3#
1. ♙c3 ♜d3 2. ♜e5#
1. ♙c3 ♜f5 2. ♜d4#
1. ♙c3 ♖e3 2. ♜f3#
- 3) 1. ♗e4 ♖e6 2. ♜f7#
1. ♗e4 ♖c6 2. ♜d6#
1. ♗e4 ♖c4 2. ♜f7#
1. ♗e4 ♖xe4 2. ♜f3#
- 4) 1. ♜d4 ♖xd4 2. ♜e5#
1. ♜d4 f5 2. ♜xc4#
1. ♜d4 ♙d5 2. ♜b4#
1. ♜d4 ♙b5 2. ♜a7#
- 5) 1. ♜f4 ♙xg5 2. ♜f7#
1. ♜f4 ♖g7 2. ♜f6#
1. ♜f4 ♙g7 2. ♜f5#
1. ♜f4 ♖h5 2. ♜xh6#
- 6) 1. ♜d5 ♜xc3 2. ♜xa5#
1. ♜d5 axb4 2. ♜a8#
1. ♜d5 ♜xb4+ 2. ♜b3#
1. ♜d5 ♜c5 2. ♜b3#

How many times mate?

(4-2)

♜e4 ♜d2 ♖g1 3 x ♜b1# ♜e1# ♜g2#
♜g3 ♜c2 ♖h1 5 x ♜c1# ♜e1# ♜g2# ♜h2# ♜h2#
♜g6 ♖f7 ♖h8 4 x f8 ♜# f8 ♜# ♜g8# ♜h6#
♜e6 ♜g3 ♖h4 2 x ♜g4# ♜h3#
♜f5 ♜g3 ♖h4 4 x ♜g4# ♜g5# ♜h3# ♜h3#
♜c1 ♗b1 ♖a1 1 x ♗c3
♜f7 ♙e4 ♖h8 2 x ♜f8# ♜h7

(4-3)

♖g3 ♜c2 ♖h1 ♜h2 4 x ♜b1# ♜c1# ♜d1# ♜xh2#
♖g3 ♜e2 ♖h1 ♙h2 1 x ♜xh2#
♖f7 ♜e4 ♖h6 ♙g5 1 x ♜g6#

♔d6 ♖g7 ♘e7 ♚e8 3 x ♗f8# ♖g6# ♖g8#
 ♕f6 ♖g2 ♚h5 ♜f4 1 x ♖g5#
 ♖c1 ♘e4 ♚h8 ♙g8 3 x ♗a1# ♖b2# ♖c3#
 ♗e6 ♜d6 ♜h7 ♚f8 3 x ♗e7# ♖g8# h8♗#

10: Mate: visualising: B

- 1) 1. ♗d4 e5 2. ♖g4#
 1. ♗d4 e6 2. ♜d6#
 1. ♗d4 ♕e6 2. ♗d5#
 1. ♗d4 ♖a5 2. ♜g7#
- 2) 1. ♜c3 f3 2. ♗d5#
 1. ♜c3 ♕f5 2. ♗xd7#
 1. ♜c3 ♕d6 2. ♖b6#
 1. ♜c3 d6 2. ♖c8#
- 3) 1. ♖c1 d2 2. ♗xd2#
 1. ♖c1 e3 2. ♖c4#
 1. ♖c1 ♘b6 2. ♖d7#
 1. ♖c1 ♘b8 2. ♖c5#
- 4) 1. d4 ♘e6 2. ♖c5#
 1. d4 ♘xd4 2. c4#
 1. d4 ♕xd4 2. ♖c5#
 1. d4 e3 2. ♖e5#
- 5) 1. ♖e7 ♖g1 2. ♖h7#
 1. ♖e7 ♖h5 2. ♖e1#
 1. ♖e7 ♖g6+ 2. ♕xg6#
 1. ♖e7 ♖g7 2. ♕xg7#
- 6) 1. ♘a5 d2 2. ♖c3#
 1. ♘a5 ♕e3 2. ♖c5#
 1. ♘a5 ♕e5 2. ♘c3#
 1. ♘a5 ♕c4 2. ♖b4#

Defend against mate

(3-2)

- 1) 1. ... ♕a6
- 2) 1. ... ♖b8
- 3) 1. ... ♘g6
- 4) 1. ... b1♜+

(3-3)

- 1) 1. ... ♖c6+
- 2) 1. ... ♕xh7
- 3) 1. ... ♖b5
- 4) 1. ... ♖h2 (1. ... ♖f2? 2. ♖h8+ ♖f8 3. ♖a8+)

11: Double attack: pinned pieces

- 1) 1. ♖h6 ♜xg4 2. ♖g6+
- 2) 1. ♜xe4 ♖ae8 2. ♜f6+
- 3) 1. ... ♖g6 2. ♜h4 ♖g3
- 4) 1. ... ♖e4 2. ♖g5 (2. h3 ♖f4) 2. ... ♖xg4+
- 5) 1. ... ♜c5 2. ♖h3 ♜f4 3. ♖g4 ♜xe2+
- 6) 1. ♘a2 ♜f5 2. ♖e4 ♘d7 3. ♖xf5
- 7) 1. ♖g1 ♜xh2 2. ♖e5+
- 8) Drawing

9) Drawing

- 10) 1. ♖g4 (1. ♗f5? ♕e4) 1. ... ♜d5 2. ♗f6+
- 11) 1. ♕xg5 ♗xg5 2. f4+ (na 2. ... gxf3 komt 3. ♜xh4)
- 12) 1. ♕b2 ♕e5 2. ♜xc7+ ♕xc7+ 3. ♕xf6

12: Defend against the double attack: A

- 1) 1. ... ♗g8 2. ♗e5 ♜c2
- 2) 1. ♜e1 ♕f5 2. ♗d6 ♜f8 (2. ... ♜c5? 3. ♜e8#)
- 3) 1. ♜xc4 ♜d5 2. ♜a4 (threatens mate)
- 4) 1. ... ♗xb4 2. ♜xb7 ♜b8 (2. ... ♜a1+? 3. ♗g2; ♗b4 is hanging and mate on c8 threatens.)
- 5) 1. ♗xc4 ♜h4 2. ♜e4
- 6) 1. ♜d5 ♜a3 threatens 2. ... ♜xf3# and the bishop is 'safe' because of 2. ♜xd1 g5#
- 7) 1. ♜xb7 ♗a5 2. ♜b6
- 8) 1. dxe5 ♜xe5 2. ♕f4 (the cross pin saves)
- 9) 1. ♕c5 ♜b2 2. ♗d2
- 10) 1. ... ♗g6 2. e5 ♕xe5 3. fxe5 ♜h4+
- 11) 1. ♗5f4 ♕d2 2. ♜c4 (2. ♜f1? g5)
- 12) 1. ♗xc4 ♕a4 2. b3 (2. ♜c1? ♕b3) 2. ... ♕xb3 3. ♜b1

13: Defend against the double attack: B

- 1) 1. ♗g1 ♕c4 2. ♗d2 (2. ♗a5? ♕d3)
- 2) 1. ... ♗xd5 2. ♜xc5 ♕a6 (3. ♜xd5? ♕b7)
- 3) 1. ... ♜xc2 2. ♜d1 ♜c7 (2. ... ♜c8? 3. ♜e1)
- 4) 1. ... ♜xc3 2. e5 ♗d5 (otherwise 3. ♕h7+)
- 5) 1. ... ♗d5 2. ♜xc5 ♕e6 3. ♜f8+ ♕g8
- 6) 1. ♕xd5 ♜d3 2. ♕e6 (2. ... ♜xb1? 3. ♕f5+)
- 7) 1. ... ♜xd8 2. ♜xd8 ♜a1+ (2. ... ♕b7? 3. ♜xf6) 3. ♗h2 ♕b7 (3. ... ♗g4+? 4. ♗h3)
- 8) 1. ♜c4 ♜b6+ 2. ♕e3 (2. ♗h1? ♜xb1)
- 9) 1. ... ♕xe6 2. ♜xb7 ♜c8 (2. ... ♗c7? 3. ♜xc7 ♜c8 4. ♜f4)

Blind / Defend against the double attack

(4-2)

- 1) ♕c3
- 2) ♜e4
- 3) ♗3d4
- 4) ♕d4
- 5) ♕e4
- 6) ♗f5
- 7) ♕d6, ♕c3

(4-3)

- 1) ♜c7
- 2) ♜a7
- 3) ♗c5
- 4) ♗e4
- 5) ♜g1
- 6) ♗d7
- 7) ♗d5 (and after 1. ... ♜d7 Black has 2. ♜d6! = defend against chasing away and material)

14: Double attack: A

- 1) 1. ... fxe4 2. dxe4 ♜a6+ (2. ... ♜h3+? 3. ♜g2+)
- 2) 1. ♕xd7 ♜xd7 2. ♜e8+ (2. ♜e6+? ♜f7)
- 3) 1. ... ♜xb2 2. ♜a3 (2. ♜c3? ♜d2)

- 4) 1. ♖b4 ♖xf2 2. ♗f4 (2. ♗d2? ♖g3)
- 5) 1. ♖xd7 ♗xd7 2. 0-0 ♗d2 (2. ... ♗c2? 3. ♗f8#)
- 6) 1. b5 ♖d7 2. ♜xg5 ♗g1+ (2. ... ♗c5+? 3. ♗c4)

Blind games / Double attack

- | | | |
|-------------|--------------|-------------|
| (3-1) | (3-2) | (3-3) |
| 4. ♗a4+ | 4. ♜d5 | |
| 4. ♗e4+ | 4. ♗xg7 | |
| 4. e5 | 4. ... ♗xe4+ | |
| 4. fxe5 | 4. ♗f3 | |
| 4. ♗xe5+ | 4. d4 | 4. ♗d5 |
| 4. ... g4 | 4. ... ♗xe4+ | 4. ... ♗a5+ |
| 4. ... ♗a5+ | 4. ♗a4+ | 4. ... ♗f6 |

15: Double attack: B

- 1) 1. ... ♖g7 2. ♜xg6 ♗f6 (2. ... ♗e4+? 3. ♖c2)
- 2) 1. ♜xd7+ ♗xd7 2. ♗e7 ♗c6 (2. ... ♗d5? 3. ♗e8+)
- 3) 1. ... ♗d6 2. ♜e4 ♗g6 (2. ... ♗d3? 3. ♗e1)
- 4) 1. ... ♜xe4 2. ♗f3 (2. ♗d5? ♜c3+)
- 5) 1. ♖xa4 ♗a7+ (1. ... ♗a5? 2. ♗d1)
- 6) 1. ♖c1 ♗b5 (1. ... ♗d5+? 2. e4)

Blind games / Double attack

- | | | |
|--------------|-------------|------------|
| (3-1) | (3-2) | (3-3) |
| 5. ♗xe5+ | 5. ... ♗a5+ | |
| 5. ♜xf7 | 5. ... ♗b4+ | |
| 5. ♗b3 | 5. ♗a4+ | |
| 5. ♗e4+ | 5. ... ♗a5+ | |
| 5. ♗a4+ | 5. ... ♗a5+ | 5. ♜d5 |
| 5. ... ♜xc2+ | 5. ♗d5 | 5. ♗a4+ |
| 5. ... ♗e5+ | 5. ♗b5+ | 5. ... ♗d4 |

16: Threat and defence: A

- 1) 1. ... ♗xb5 2. ♖c6 [3. ♗e8# / 3. ♖xb5] 2. ... ♗e5
- 2) 1. ... axb5 2. ♗d6 [3. ♖d5+ / 3. ♗xh6] 2. ... ♜g7
- 3) 1. ♗b7 ♖c6 2. ♗b8 [2. ... ♖xb7 / 2. ... ♗d1#] 2. ♗b8
- 4) 1. h4 ♗c3 [2. ... f5# / 2. ... ♗g3#] 2. h5+ (2. hxg5? fxg5)
- 5) 1. ... ♗a5 2. f5 [3. ♗xc4 / 3. f6] 2. ... ♜e5
- 6) 1. ♖xh6 ♜g4 [2. ... ♗e1# / 2. ... ♜xh6] 2. ♖d2
- 7) 1. ... ♖c8 2. d6 [3. dxc7 / 3. ♖d5+] 2. ... ♗c5
- 8) 1. ♗be1 f3 [2. ... fxe2 / 2. ... ♗h3] 2. ♗e6
- 9) 1. ... ♜f7 2. d6 [3. dxc7 / 3. d7] 2. ... ♖b5+

17: Threat and defence: B

- 1) 1. ... ♖xb5 2. ♗d4 [3. ♗xg4 / 3. ♗b4] 2. ... ♖e2
- 2) 1. ... ♖xh4 2. ♗e4 [3. ♗xh4 / 3. ♜e7+] 2. ... ♖g5+
- 3) 1. ... h5 2. ♗exc4 [3. ♖d5 / 3. b4] 2. ... ♗d8 (2. ... ♗fc7 3. b4)
- 4) 1. h3 ♜g4 [2. ... ♜xf2 / 2. ... ♖f4+] 2. ♖c4+
- 5) 1. ♗hh1 ♖f4 [2. ... ♗xe2 / 2. ... ♜e4] 2. ♖d3 (1. ♖f3 ♜c4)
- 6) 1. ... ♗d8 2. ♗g4 [3. ♜h6+ / 3. ♗xg7#] 2. ... ♗d7
- 7) 1. ... ♜f7 2. ♗e4 [3. ♗(♜)xd4 / 3. ♗h7+] 2. ... ♜e6 3. ♗h7+ ♜g7
- 8) Drawing
- 9) 1. ♗c1 ♜e4 [2. ... ♜xg3 / 2. ... b5] 2. ♖f4

18: Threat and defence: C

- 1) 1. ... ♖c6 2. ♗f4 [3. ♖xe7 / 3. ♗g6+] 2. ... ♖e4
- 2) 1. ... gxf6 2. ♙xf6 [3. ♚xd6 / 3. ♚h1] 2. ... ♙f8
- 3) 1. ... c5 2. ♗f5 [3. ♗xd6 / 3. ♙xf6] 2. ... ♙e5
- 4) 1. ♚fd1 e4 [2. ... exf3 / 2. ... ♙xh2+] 2. ♗d4
- 5) 1. ♚xe8+ ♚xe8 [2. ... ♖h1# / 2. ... ♖h3+ ♚e1#] 2. ♖e4 (2. ... ♖h3+ 3. ♗g1 ♗f8 4. ♚a8; 2. ... ♚xe4 3. ♚a8+)
- 6) 1. ♚xg4 ♚b1 [2. ... ♚xf1+ / 2. ... a1♖] 2. ♚fg1 a1♖ 3. ♚h5#
- 7) 1. ... ♗h8 2. ♖h5 [3. ♖(♗)xd5 / 3. ♖xh7+] 2. ... ♙e6
- 8) 1. ... ♗f8 2. ♗f4 [3. ♖xe7 / 3. ♗g6+] 2. ... ♖e8
- 9) 1. ... ♗f5 2. ♖g5 [3. ♖xd8+ / 3. ♙xf5] 2. ... ♖a5

19: Test / Mix: A

- 1) 1. ♚c1 ♙xa3 2. ♗a4 (2. ♗xd5 ♙xc1 3. ♗xb6 ♚xd3) (discovered attack)
- 2) 1. ♗e4 ♙xe4 2. ♖c8+ (2. ♙xe4 ♙h2+) (in-between move)
- 3) 1. ♚xf7 ♖a8 2. ♖xe6 (eliminating the defence: luring away+ mate)
- 4) 1. e4 ♗xc3 2. ♙xc3 (2. ♗xc3 ♙xd4+; 2. ♚xc3 ♙xd4+ 3. ♗xd4 ♚xc3)
- 5) 1. ... ♚d3 2. ♙xc4 ♚c3 (the pin)
- 6) 1. ... ♗f7 2. ♗fg5 ♚e5 (trapping)
- 7) 1. g4 d5 2. ♖xf5 ♙xf5 3. g4h5 (in-between move: desperado)
- 8) 1. ... c4 2. dxc4 e4 (eliminating the defence: chasing away+ mate)
- 9) 1. ... ♚fe8 2. ♚xb7 ♚ed8 (2. ... ♚cd8? 3. ♗c2) (cashing in a passed pawn)
- 10) 1. ... ♙xe5 2. ♚xe5 ♖b4 (defend against the double attack)
- 11) 1. ♚1xd4 ♗c6 2. ♚4d7 (2. ♚8d7 ♗xd4 3. ♚xe7 ♗f5+) (defend against the double attack)
- 12) 1. ♖xe7 ♙f6 (trapping)

20: Test / Mix: B

- 1) 1. ... c5 2. ♙e5 ♚g5 3. ♙f4 ♚xf4 (trapping thanks to a pin)
- 2) 1. ♙xe3 dxe3 2. ♚xe3 ♖d2 (the pin)
- 3) 1. ... ♚ac8+ 2. ♗c3 ♖f5 (threaten mate)
- 4) 1. ... ♚xd1+ 2. ♖xd1 (2. ♗xd1 ♖d8+) (prevent a double attack; choose the right capture)
- 5) 1. ♙xe7 ♚xe7 2. ♚xb6 (the pin: a pinned piece is not a good defender)
- 6) 1. ♗b4 ♚b6 2. ♗a1 ♚xb4 (the pin: a pinned piece is not a good defender)
- 7) 1. ♗c4 ♚a4 2. ♗e3 ♙xe3
- 8) 1. b7 (after 1. a7 comes the same) 1. ... ♗d2 (1. ... ♗d1) 2. a7 ♚e3+ (defend by perpetual check)
- 9) 1. ♗d3 ♗xa3 2. ♗c2 ♗a2 3. c4 a3 4. c5 ♗a1 5. c6 a2 6. c7 a4 7. c8♖ a3 8. ♖c3# (pawn ending: keeping the king out of the square of the pawn)
- 10) 1. ... ♚xg3 2. fxg3 ♚d2 (the pin)
- 11) 1. ♗b5 ♖xc5 2. ♖f1 (2. ♖f4? ♖xc1+ 3. ♙xc1 ♚d1+) (discovered attack and X-ray attack)
- 12) 1. ... ♚d8 2. ♙d4 (2. ♙a5 ♖xc1) (cross pin)

21: Defend against a threat: A

- 1) 1. ... ♙xc3 2. ♚d3 ♗d5 (2. ... ♙a5 3. b4); 2. ... ♚ac8 3. ♚xc3 b5 always costs a pawn.
- 2) 1. ... ♚xb4 2. ♗e5 ♙g4 (otherwise 3. ♗d7+ and mate)
- 3) 1. ... ♚xb4 2. ♖c3 ♚e4 (defends against 3. ♖c8+ and mate)
- 4) 1. ♚a8+ ♗d8 2. ♚xd8+ ♙e8 (3. ... ♚e8 4. ♚xd7)
- 5) 1. ♖xa4 ♚c4 2. ♚c1 (the queen has no squares)
- 6) 1. ♖e6 ♙xf2 2. ♖d7+ (2. g4 fxg3+ 3. ♗g2 ♙c5)
- 7) 1. ♙xc6 ♗g4 2. ♙f3 (and now 2. ... ♗e3+ as 2. ... ♗h2+ is harmless)
- 8) 1. ♚f1 ♚e1 2. c5 (and now after 2. ... ♚xf1+, comes 3. ♙xf1)
- 9) 1. ... ♗d2 2. ♚xd2 ♖h5
- 10) 1. ♚xc3 ♖xb2 2. ♚c8+ ♚xc8 3. ♖xb2

- 11) 1. ♖e6+ ♜b7 2. ♖e3 (protects c3 and c1)
 12) 1. ♜a8+ ♜h7 2. ♜e8 (X-ray protection of e1)

22: Defend against a threat: B

- 1) 1. ... ♜e8 2. ♖xd6 ♙b5
 2) Drawing
 3) 1. ♙xe5 ♖b7 2. ♗c3
 4) 1. ... ♗xc5 2. ♗cd4 ♙e4
 5) 1. ♜xg7 ♖f6 2. ♙h6
 6) 1. ♖e2 d3 2. ♙xe5+ ♗xe5 3. ♖d2
 7) 1. ♜xc6 ♗d4 2. ♜f6 (2. ♜xb6 ♗e2+)
 8) 1. ... ♖xc5 2. ♙e3 ♖b5
 9) 1. ... ♖xe5 2. ♖d7 ♖e8 (2. ... ♖f6? 3. ♗h7+; 2. ... ♖e7? 3. ♗h7+ ♜g8 4. ♖xe7)
 10) 1. ... f6 2. ♜f3 h6 (prevents 3. ♖xh7+ and mate on h3)
 11) 1. b7 ♜xd6 2. b8♗ (2. b8♖? ♜xd7+ 3. ♜xd7 ♙xb8)
 12) 1. ... ♖d7 2. ♖c3 0-0

23: Defend against a threat: C

- 1) 1. ... ♙e6 2. ♖b3 d5 (2. ... ♙xc4 3. ♖xc4+ d5 4. ♖xg4)
 2) 1. ♗xe7+ ♜f8 2. ♗c8
 3) 1. ♙xg8 ♖g7 2. ♙h7
 4) 1. ... ♜hf8 2. ♜f1 ♜xf7
 5) 1. ♖d3 ♙e4 2. ♖d6
 6) 1. ... ♗e3 2. ♜f2 f5 3. ♜e1 f4
 7) 1. ... ♗xb3 2. ♜b2 ♗d4 3. ♜xb8 ♗e2+
 8) 1. ... ♜xb2 2. 0-0-0 ♜xa2 3. ♜b1 ♙d5
 9) 1. ♗xe4 c4 2. ♗d6 (2. ♙a2 ♙xe4 3. ♜xe4? ♜h1+)
 10) 1. ... a3 2. ♖xe7 ♖e5+ 3. ♖xe5 fxe5
 11) 1. ♗g5 (2. ♗xf7+ / 2. ♖xh7#) 1. ... ♜g8 2. ♖xh7+ ♜f8
 12) 1. ♜xf2 ♜e4 2. ♜e1

24: Mate: visualising: C

- 1) 1. ♙g4 ♜xg4 2. ♖g6#
 1. ♙g4 g6 2. ♖f4#
 1. ♙g4 ♜f8 2. ♖xg7#
 1. ♙g4 ♜h6 2. ♖h5#
 2) 1. ♖e2 b4 2. ♗f4#
 1. ♖e2 d5 2. ♖c2#
 1. ♖e2 ♜d5 2. ♗b4#
 1. ♖e2 ♗d5 2. ♖e4#
 3) 1. ♙f4 gxh5 2. ♖e3#
 1. ♙f4 ♙xf4 2. ♜d5#
 1. ♙f4 ♜c5 2. ♙e3#
 1. ♙f4 ♜d3 2. ♖e3#
 4) 1. ♖e8 cxd6 2. ♜h5#
 1. ♖e8 c6 2. ♖h5#
 1. ♖e8 c5 2. ♖e4#
 1. ♖e8 cxb6 2. ♖b5#
 5) 1. ♖e5 ♜a7 2. ♗c8#
 1. ♖e5 ♗c7 2. ♖d4#
 1. ♖e5 ♙xc4 2. ♖a5#
 1. ♖e5 ♙b5 2. c5#
 6) 1. ♙h4 ♙g7 2. ♖f7#

1. ♔h4 ♖g6 2. ♜f3#
1. ♔h4 ♖g7 2. ♜h6#
1. ♔h4 ♖h8 2. ♜f7#
- 7) 1. ♘e3 ♔a2 2. ♘c2#
1. ♘e3 c4 2. ♜d5#
1. ♘e3 e4 2. ♜h8#
1. ♘e3 ♔e4 2. ♜a1#
- 8) 1. ♖b8 a3 2. ♘c3#
1. ♖b8 c3 2. ♜xc3#
1. ♖b8 ♘b3 2. ♜b2#
1. ♖b8 ♘a5 2. ♘c7#
- 9) 1. ♔a3 ♘d6 2. ♖c4#
1. ♔a3 ♘d8 2. ♖d4#
1. ♔a3 ♘f8 2. ♖g4#
1. ♔a3 ♘f6 2. ♖f4#

25: Mate: visualising: D

- 1) 1. ♔e8 ♘e4 2. ♔c6+ ♘e3 3. ♖f3#
1. ♔e8 ♘d3 2. ♖f3+ ♘e4 3. ♔c6#
1. ♔e8 e4 2. ♔g6 ♘d3 3. ♖f3#
- 2) 1. d4 ♘b5 2. ♔d3+ ♘a5 3. ♖a6#
1. d4 a6 2. ♖xa6+ ♘b5 3. ♔d3#
1. d4 a5 2. ♖e5 fxe5 3. ♔d7#
- 3) 1. d7 g5 2. d8 ♖ ♘f6 3. ♖f8#
1. d7 gxf5 2. d8 ♘+ ♘f8 3. ♔d6#
1. d7 ♘f8 2. d8 ♜+ ♘f7 3. fxe6#; 3. ♜e7#
- 4) 1. ♘e2 ♖xh4 2. ♘c3+ ♘a5 3. ♜b5#
1. ♘e2 e4 2. ♔e1 ♖b5 3. ♜a2#
1. ♘e2 ♘a5 2. ♔d8+ ♘a4 3. ♘c3#
- 5) 1. d4 cxd3 2. ♜d2 f2 3. ♜d1#
1. d4 cxd3 2. ♜d2 ♘g1 3. ♜e1#
1. d4 f2 2. ♜e4 ♘g1 3. ♜g2#
- 6) 1. ♘b7 ♘f7 2. ♘d6+ ♘f6 3. e5#
1. ♘b7 d6 2. ♘d8 d5 3. ♖e6#
1. ♘b7 d5 2. e5+ ♘f7 3. ♘d6#

Blind / Mate in two

(3-1)

- 1) 1. ♜c4 ♘e8 2. ♜c8#
- 2) 1. ♜b1 ♘a5 2. ♜b5#; 1. ... ♘b7 2. ♜b7#
- 3) 1. ♘f7 ♘h7 2. ♜h4#
- 4) 1. ♜h6 ♘a4 2. ♜a6#
- 5) 1. ♜a7 ♘e8 2. ♜e7#; 1. ... ♘g8 2. ♜g7#
- 6) 1. ♘c4 ♘a3 2. ♜a1#; 1. ... ♘a5 2. ♜a7#

(3-2)

- 1) 1. ♜f6 ♘h7 2. ♜g7#
- 2) 1. ♜h7 ♘c8 2. ♜c7#
- 3) 1. ♜c2+ ♘a3 2. ♔c5#; 1. ... ♘a1 2. ♔d4#
- 4) 1. ♜b3 ♘a6 2. ♜b6#
- 5) 1. ♜b1 ♘a4 2. ♜b4#; 1. ... ♘a6 2. ♜b6#
- 6) 1. ♜b2 ♘e1 2. ♜e2#

26: Choose the right move: A

- 1) 1. ... ♖d1+ 2. ♕f2 ♘c5+
 1. ... ♖d1+ 2. ♕h2 ♘d6+
 1. ... ♖d1+ 2. ♖f1 ♘c5+
- 2) 1. ♘f2+ ♗xf2 2. ♗a7+
 1. ♘f2+ ♕c4 2. ♗b3#
 1. ♘f2+ ♕c6 2. ♗a8+
- 3) 1. ... ♗d2 2. ♘f2 ♗xe1#
 1. ... ♗d2 2. ♗c3 ♗g2#
 1. ... ♗d2 2. ♗b2 ♗xe1#
- 4) Drawing
- 5) 1. ... ♖a8+ 2. ♕b4 ♖a4#
 1. ... ♖a8+ 2. ♕b2 ♖a2+
 1. ... ♖a8+ 2. ♖a6 b4+
- 6) 1. ♗f6 ♗xf6 2. ♖d8+
 1. ♗f6 ♗xe5 2. ♗d8#
 1. ♗f6 ♖c8 2. ♗g7#
- 7) 1. ... ♗e2+ 2. ♕f5 ♗f3#
 1. ... ♗e2+ 2. ♕h4 ♗h2+
 1. ... ♗e2+ 2. ♕h3 ♗g5+
- 8) 1. ♗d2+ ♕e5 2. ♗f4#
 1. ♗d2+ ♕e4 2. ♗c2+
 1. ♗d2+ ♕c4 2. ♗c3#
 1. ♗d2+ ♗d3 2. ♗xd3+ ♕xd3 3. h5
- 9) 1. ♗c4+ ♕xb6 2. ♗c7#
 1. ♗c4+ bxc4 2. ♘e3#
 1. ♗c4+ ♕xc4 2. ♖c6#

27: Choose the right move: B

- 1) 1. ♗f4 ♘d6 2. ♗xd6
 1. ♗f4 ♘e6 2. ♗xe5 (2. ♗xe5? ♘d6)
 1. ♗f4 f6 2. ♗xf5 ♗xc4 3. ♗e6+
- 2) 1. ... ♖b8 2. ♗c4 ♖b4
 1. ... ♖b8 2. ♗d3 c4
 1. ... ♖b8 2. ♘a3 ♖e8 3. f4 f6
- 3) 1. ... ♖e1 2. ♗xe1 ♗h5#
 1. ... ♖e1 2. ♖xe1 ♗g2#
 1. ... ♖e1 2. ♗g4 ♗h1+
- 4) 1. ♕g2 ♖e1 2. ♖xg3
 1. ♕g2 ♘f4 2. ♖xe4
 1. ♕g2 ♘f2 2. ♖e2
- 5) 1. ♗c3 ♗xh5 2. ♗a5+
 1. ♗c3 ♗h4+ 2. ♗f6+
 1. ♗c3 ♕e4 2. ♗g3+
- 6) 1. ♗g6 ♖c8 2. b3
 1. ♗g6 ♘d3 2. ♗f4+
 1. ♗g6 ♘b3 2. ♖e2+
- 7) 1. ♘h5 ♗d8 2. ♖xd8
 1. ♘h5 g6 2. ♘h6#
 1. ♘h5 ♗b3 2. c4
- 8) 1. ... ♗d8 2. ♗xe6 ♖xc1+
 1. ... ♗d8 2. ♗e3 ♗xe3
 1. ... ♗d8 2. ♖xc8 ♗xb6

- 9) 1. ... ♖g4 2. f4 ♙xg5
 1. ... ♖g4 2. ♖f3 ♙xg5
 1. ... ♖g4 2. ♙xe7 ♗xh2#

28: Choose the right move: C

- 1) 1. ♗b7 ♜e6 2. ♗xe7
 1. ♗b7 ♗e8 2. ♗xc6
 1. ♗b7 ♜c7 2. ♗b8+
- 2) 1. d5 ♖xd5 2. ♗xb2
 1. d5 ♜d2 2. ♖xd2
 1. d5 ♜c2 2. ♗f5+
- 3) 1. ... ♜ac8 2. ♖h4 ♗b1#
 1. ... ♜ac8 2. ♗a2 ♗c2#
 1. ... ♜ac8 2. ♜e4 ♗xe4
- 4) 1. ♗xd5+ ♙e6 2. ♗xe4
 1. ♗xd5+ ♗xd5 2. ♜f8#
 1. ♗xd5+ ♜e6 2. ♗d8+! (2. ♗xc5? ♜e1+!)
- 5) 1. ... ♗c7 2. ♗xc7 ♜b1+
 1. ... ♗c7 2. ♗f1 ♗xf4
 1. ... ♗c7 2. e5 ♗xc4! (2. ... ♜b1+? 3. ♜f1!)
- 6) 1. ♙g3 ♙d2+ 2. ♖d1 (2. ♖f1? ♙b5+)
 1. ♙g3 ♜d2 2. f4
 1. ♙g3 ♙e3 2. ♙xh2
- 7) 1. ♖a5 ♖xa5 2. ♜xa7
 1. ♖a5 ♙xf2+ 2. ♖f1
 1. ♖a5 ♙b6 2. ♖xb3
- 8) 1. ♗d8 ♗xf7 2. ♗xf8+ ♗g8
 1. ♗d8 ♜c8 2. ♗xc8
 1. ♗d8 ♙c5 2. ♗xc7 (2. ♜b8 ♗xf7)
- 9) 1. ... ♖f6+ 2. ♖xe5 ♖g4+
 1. ... ♖f6+ 2. ♖e3 ♖d5+! (2. ... ♖g4+? 3. ♖e2 ♜c1 4. ♜h3)
 1. ... ♖f6+ 2. ♖f3 ♜d3+

29: Trapping: A

- 1) 1. ... ♗xh2+ 2. ♖f1 ♙f4
 2) 1. ... ♗f6 2. c3 ♜e7
 3) 1. ... ♖f6 2. f3 ♙d5
 4) 1. ... axb5 2. ♗xa8 ♖b6
 5) 1. g4 ♙g6 2. ♙g5
 6) 1. ... ♖c5 2. ♗d5 ♖e7 (2. ... ♖xd3? 3. ♙a5)
 7) 1. ♖h6+ gxh6 2. ♜f5
 8) 1. ♖c5 ♗b5 2. a4
 9) 1. ... ♙g4 2. ♗f2 ♖d3
 10) 1. ... ♜d3 2. ♗e5 ♜e3
 11) 1. ♙b6 ♗b4 2. ♖a2
 12) 1. ♗e6+ (1. ♜e3 ♗xc4) 1. ... ♖b8 2. ♜e3

30: Trapping: B

- 1) 1. ... ♖e4 2. ♗f4 g5
 2) Drawing Lucas van Foreest Dutch champion 2019
 3) 1. ♖xf7 ♖xf7 2. ♙f4
 4) 1. d5 ♗xe4 2. ♜d4
 5) 1. ♜f2 ♗xa2 2. ♖a3

- 6) 1. ... ♖a5 2. ♜e4 ♘f5
- 7) 1. ♖e4 ♜d2 2. ♘f4
- 8) 1. ♘e5 ♖dd8 2. ♘g4
- 9) 1. ... ♘d5 2. ♜xb7 ♘c5
- 10) 1. ♖d6 ♘xb4 2. e4
- 11) 1. ... ♘b4 2. ♜xb7 c6
- 12) 1. ♘a7+ ♚c7 2. ♖a4

31: Mate: yes or no?

- 1) 1. ♜e8+ ♚d6 2. c5+ ♚d5 3. ♜e4# (yes)
- 2) 1. ♖e5+ ♚c4 2. ♖c5+ ♚d3 3. ♖c3+ (no 3. ... ♚xd4)
- 3) 1. h3 ♜d7 2. ♜e5+ ♚f3 3. ♖f1# (yes)
- 4) 1. ♖h8+ ♚xh8 2. ♜h6+ ♖h7 3. ♜f8+ (no 3. ... ♜xf8)
- 5) 1. ♜g4+ ♚f6 2. e5+ dxe5 3. ♘g5+ (no 3. ... ♚xg6)
- 6) 1. ♖xh7+ ♚g4 2. ♖h4+ ♚f3 3. ♘d5# (yes)
- 7) 1. ♜c8+ ♚g7 2. ♘f8+ ♚g6 3. ♜f5# (yes)
- 8) 1. ♖xh6+ gxh6 2. ♘f7+ ♚h7 ♜d3+ (no 4. ... ♘e4+)
- 9) 1. ♘g8+ ♚h5 2. ♘f6+ ♚h4 3. ♘f3# (yes)

Where is the king mated?

(4-2)

- 1) ♚f8
- 2) ♚d4
- 3) ♚d5
- 4) ♚a5
- 5) ♚e8
- 6) ♚h4

(4-3)

- 1) ♚d8
- 2) ♚e8
- 3) ♚a5
- 4) ♚c8
- 5) ♚h5
- 6) ♚h5

32: Pawn endings: square or the pawn

- 1) 1. ♘xf4 ♚xf4 2. d6! (2. b5? ♚e5 3. b6 ♚d6) 2. ... exd6 3. b5 1-0
- 2) 1. ♖xd5+ ♖xd5+ 2. ♚xd5 ♚c3 3. ♚c5 1-0
- 3) 1. ♚xg5 ♚xf2 2. ♚f4 1-0 (2. ♚xf5? ♚g3 ½-½)
- 4) 1. ♖xc6 (1. b4 ♖g5+ 2. ♚xc6 ♚c4 ½-½) 1. ... ♖xc6+ 2. ♚xc6 ♚c4 ½-½
- 5) 1. ... b4 (1. ... ♚d5 2. ♚b6 ♚c4 3. ♚c6 b4 4. a4 ♚c3 5. ♚c5 1-0) 2. a4! ♚c4 3. ♚c6 ♚c3 4. ♚c5 1-0
- 6) 1. b7 e2 2. b8♜ e1♜ 3. ♜g3+ ♜xg3 4. hxg3 1-0
- 7) 1. g5 ♚xf5 2. gxh6! 1-0 (2. g6? ♚e6 0-1)
- 8) 1. ... ♚c6 2. e6 a4! 0-1 (2. ... ♚d6? 3. e7 ♚xe7 4. ♚xd5 ½-½)
- 9) 1. ♖xg4 hxg4 2. h3 (2. h4? ♚xf2; 2. f4 gx3 3. h4 f2 0-1) 2. ... ♚xf2 (2. ... gxh3 3. f4) 3. hxg4 1-0

Pawn endings: square or the pawn

(4-2)

- | | |
|--------|-----|
| 1. h4 | 1-0 |
| 1. ♚c5 | ½-½ |
| 1. ♚e5 | ½-½ |
| 1. ♚f3 | 0-1 |

1. ♖d3 1-0
1. ♖e6 ½-½

(4-3)

1. g6 1-0
1. ♖f3 1-0
1. ♖b1 ½-½
1. ♖d5 1-0
1. c4 1-0
1. d6 ♖f8 0-1 (1. ... ♖f6? 2. d5 1-0)

33: Pawn endings: rook pawn

- 1) 1. h5 ♖e4 (1. ... Kg4? 2. h6 Kh5 3. Kg1 1-0) 2. h6 ♖d5 3. ♖g7 ♖e6 4. ♖xh7 ♖f7 ½-½
2) 1. ... ♖g7 2. e5 fxe5 3. ♖g5 ½-½
3) 1. ♖g6 ♖xd6 2. ♖e5 ♖xg6 3. hxg6 1-0; 2. ♖xd6+ ♖xd6 3. ♖g6 ♖e7 4. ♖xh6 ♖f8 ½-½
4) 1. ... a5 2. ♖d6 ♖c8 3. ♖xe5 ♖c7 4. ♖d4 ½-½
5) 1. ♖b6 ♖f5 2. ♖xa5 ♖e6 3. ♖xa6 ♖d7 4. ♖b7 1-0
6) 1. ♖d4 (1. ♖d3? a4 2. ♖c4 a3 3. bxa3 ½-½) 1. ... a4 2. ♖c5 (2. ♖c4 a3 3. bxa3 ♖e6 4. ♖c5 ♖d7 5. ♖b6 ♖c8 ½-½) 2. ... a3 3. bxa3 ♖e7 4. ♖c6 ♖d8 5. ♖b7 1-0
7) 1. ♖xc5 bxc5 2. ♖e5 (2. ♖d5? ♖f5 3. ♖xc5 ♖g4 0-1) 2. ... c4 3. ♖d4 ½-½
8) 1. ♖f2 (1. h5? ♖g2 2. hxg6 f2+ 3. ♖d2 f1♖ 4. g7 ♖f7 0-1) 1. ... ♖h3 2. h5 gxh5 3. ♖xf3 ½-½
9) 1. ... ♖c3 (1. ... ♖d3 2. ♖e5! (2. ♖f3? ♖c4) 2. ... ♖c4 3. ♖d6 ♖b5 4. ♖c7 ½-½) 2. ♖e3 ½-½

(4-2)

- ♖g7 (1-0: shielding off)
♖c1 (½-½: on the way to the corner or imprison black king after 1. ... ♖a2)
♖c3 (½-½: imprison the black king after 1. ... ♖a2)
♖f4 (½-½: conquering the pawn. 1. ♖f5? ♖g3 is losing)
♖g6 (1-0: sustaining the pawn)
h7 (1-0: the black king is outside the square of the pawn. Shielding off is useless 1. ♖h5? ♖f6 draw)

(4-3)

- ♖e3 (½-½: imprison the black king after 1. ... ♖xh2 2. ♖f2)
h4 (½-½: the black king must lose time capturing the pawn. The white king will reach f1.)
♖e5 (½-½: White wins the h7-pawn and is shielding off the black king: 1. ... ♖d3 2. ♖f6 ♖e4 3. ♖g7)
♖c6 (½-½: only with this move White will be in time on f2 to imprison the black king.
h6 (1-0: after 1. ♖g7 ♖f5 2. h6 ♖e6 Black is in time.
h4 (½-½: after 1. ... gxh4 Black has a rook pawn and after 1. ... ♖xh4 2. ♖h2 White can defend the key squares of the g-pawn.

34: Pawn endings: key squares: A

- 1) 1. ♕f3 ♖c7 2. ♕xc6 ♖xc6 3. ♖e4 ♖d6 4. ♖d4 1-0
2) 1. ♖d5 ♖xg4 2. ♖e4! 1-0 (2. ♖xe5? ♖f3 ½-½)
3) 1. ... e5 2. dxe5 ♖xe5 0-1 (2. ... fxe5? 3. e4+ fxe4+ 4. ♖e3 ½-½)
4) 1. ♖d2 ♖d4 2. e6 dxe6 3. e5 ♖xe5 4. ♖e3
5) 1. g5 g6+ (1. ... ♖h8 2. ♖g6 ♖g8 3. h6 gxh6 4. ♖xh6 1-0) 2. ♖f6 (2. fxg6+? ♖g7 3. ♖f4 ♖xg6 ½-½) 2. ... gxh5 3. ♖f7 1-0
6) 1. ... ♖d6 (1. ... ♖xd5 2. ♖xd5 1-0) 2. ♖c4 1-0
7) 1. gxf5 ♖xf5 2. ♖f3 ♖xf3+ 3. ♖xf3 1-0 (3. gxf3? ♖f7 ½-½)
8) 1. ♖xf7+ ♖xf7 2. ♖xf7 ♖h8 (2. ... ♖h6? 3. ♖f6 1-0) 3. ♖f6 ♖g8 4. ♖xf5 ♖f7 ½-½
9) 1. ... ♖e6+ 2. ♖e5 ♖xd4 3. ♖xd4 1-0 (3. cxd4? Kc7 ½-½)

(4-2)

- 1) d7
- 2) ♖d5
- 3) ♖c4
- 4) ♖d3
- 5) ♖d1
- 6) ♖g6 or ♖f5 but not 1. ♖f6 ♖f8

(4-3)

1-0 / ½-½

- 1) 1-0
- 2) ½-½
- 3) 1-0
- 4) ½-½
- 5) 1-0

35: Pawn endings: key squares: B

- 1) 1. ... d6 2. ♖d5 dxc5 3. ♖xc5 1-0
- 2) 1. c4 ♖e7 (1. ... ♖c7 2. c5) 2. e5 dxe5 3. ♖xe5 1-0
- 3) 1. ... ♖a7 2. ♖xb5 ♖a8 3. ♖a6 ♖b8 (3. ... b5 4. c7) 4. ♖xb6 ♖c8 5. c7 1-0
- 4) 1. ♗xd5 cxd5 2. ♖c6 d4 3. ♖xb5 ♖c7 4. ♖c5 (or 4. ♖c4 d3 5. ♖xd3 (5. cxd3? ♖c6 ½-½) 4. ... d3 5. cxd3 ♖d7 6. ♖d5 1-0
- 5) 1. ... ♗xf5 2. ♗f2 ♗f7! (2. ... ♗xf2? 3. ♖xf2 ♖f7 4. ♖f3 ♖f6 5. ♖g4 ♖g6 6. g3 1-0) 3. ♗xf7+ ♖xf7 4. ♖f2 ♖f6 of ♖g6 ½-½
- 6) 1. ♗xd8+ ♖xd8 2. ♖d6 (2. ♖d5? f4 3. gxf4 ♖d7 ½-½) 2. ... ♖e8 3. ♖e5 f4 4. ♖xf4 1-0
- 7) 1. ... ♖a6 2. ♖c5 (2. b4 ♖b5 3. ♖e5) 2. ... ♖xa5 3. b3 (3. b4+? ♖a4; 3. ♖xc6 ♖b4 ½-½) 3. ... ♖a6 4. ♖xc6 1-0 (*Prokes, 1946*)
- 8) 1. ... exf4 2. ♗xf4+ ♖e7 ½-½ (2. ... ♗xf4+? 3. ♖xf4 ♖e7 4. ♖e5 ♖d7 5. ♖d5 1-0)
- 9) 1. f4 gxf4+ 2. ♖xf4 g6 3. ♖g5 gxh5 4. ♖xh5 1-0

Mate in two

(4-2)

1. ♖b4 ♖c1 2. ♗c2#
1. ♗b8 ♖a3 2. ♗b3#
1. ♗b2 ♖f1 2. ♗f2#
1. ♗f2+ ♖h1 2. ♖g3#; 1. ... ♖h3 2. ♗g3#
1. ♗b2 ♖e1 2. ♗e2#
1. ♗f2 ♖a1 2. ♗b2#

(4-3)

1. ♗a7 ♖e8 2. ♗g8#
1. ♗a2 ♖f1 2. ♗h1#
1. ♗b1 ♖a4 2. ♗a2#
1. ♗b5 (1. ♗b6? stalemate) 1. ... ♖a7 2. ♗a4#
1. ♗b5 (1. ♗b6? stalemate) 1. ... ♖a7 2. ♖b4#
1. ♗b4+ ♖a3 2. ♗b3# 1. ... ♖a1 2. ♗a6#

36: Mix: C

- 1) 1. ♗xc7 ♗d7 2. ♗ab1 (2. ♗fb1? ♗xf2+) (the pin)
- 2) 1. ... ♗d8 2. ♗b3 c6 (the pin: attack on a pinned piece)
- 3) 1. ♖e2 ♗a5 (double attack: queen)
- 4) 1. ♗c7 ♗f7 2. ♗c4 (the pin)
- 5) 1. e5 ♖e8 2. e6 (the pin: attack on a pinned piece)

- 6) 1. ♖b3 ♕a4 2. ♗c2 ♜xd4 (the pin: a pinned piece is not a good defender 2x)
- 7) 1. ♖xh5 ♗g4 2. ♖d1 (2. ♗e2 ♗xe2 3. ♜xe2 ♜f1+; 2. ♜h1 ♗xh5 3. ♜xh5 (protecting by X-ray protection))
- 8) 1. ♖f3 ♜fe8 2. e5 (the pin: attack on a pinned piece)
- 9) 1. ♗c1 ♜h8 2. ♗b2 (the pin: attack on a pinned piece)
- 10) 1. ♕xg5 ♜xg5 2. ♗f4 (Double attack: queen)
- 11) 1. ♕e3 f4 2. h6 (threaten mate)
- 12) 1. f5 ♜xe5 2. ♖f1 ♗e4 3. dxe5 (unpinning)

37: Double attack: yes or no (♠ or ♡): A

- 1) no 1. ... ♖xe4 2. ♖d5? ♖c3+
- 2) no 1... ♗xb2 2. ♗a8+ ♕c8 3. h3 (3. ♗f3 ♗b1+) 3... ♗xf6
- 3) no 1. ♜xb7 ♖d5 2. ♕b3 (2. ♕e4 ♗c5+)
- 4) no 1. ♖xb6 ♕d4+? 2. ♜xd4 ♜xd4 3. ♖xa8
- 5) yes 1. ♜xe4 ♖d3 2. ♜e5 (2. ♜f4 ♖xf4) 2... ♖xe5
- 6) Drawing
- 7) no 1. ... b5 2. ♖b6 ♗xd4+ 3. cxd4 ♜xc2
- 8) yes 1. ♜xb5 ♗f1 (1. ... ♗a4? 2. ♕e2 or 2. ♗b4 or 2. ♜b4)
- 9) no 1. ... ♖xa5 2. ♗h5 ♖e5

38: The pin (♠ or ♡): A

- 1) yes 1. ... ♖xe5 2. ♕f4 ♖xg4+ (2. ... ♖xf3+ 3. ♜xf3) 3. fxg4
- 2) no 1. ♖xd4 ♖d7 (1. ... ♖d6 2. ♗xf5) 2. ♗xf5 ♗xd4 3. ♗c8#
- 3) no 1. ... ♖f5 2. ♕g4 ♗a4+ (2. ... ♖e3+ 3. ♖xe3) (2. ... ♖d4+ 3. ♗xd4)
- 4) no 1. ... ♕xc5 2. ♜dc2 ♕a3+ (2. ... ♕d4+? 3. ♖xd4) 3. ♗b1 ♕xc1
- 5) yes 1. ... ♕xc5 2. ♖b3 ♕d4+ 3. ♖xd4
- 6) no 1. ... ♕xc5 2. ♜c1 ♕xe3 3. ♜xc6 ♜d1#
- 7) no 1. ♜e2 ♜e8 2. ♕xc5 ♜xe2 3. ♜d8+
- 8) no 1. ♜e2 ♜e8 2. ♕xc5 ♜xe2 3. ♜d8+ ♗g7 4. ♕f8+
- 9) yes 1. ... ♜xd3 2. ♗e2 ♜xa3 3. ♗a6+ ♗a7 4. ♗c8+

39: Eliminating the defence (♠ or ♡): A

- 1) yes 1. ♗xd4 ♖xe5
- 2) no 1. ... ♖xc3 2. ♕xf6 ♖e2+
- 3) no 1. ♗xd3 ♜xe5 2. ♖d8+ (2. ♗xb3 ♜e1+) 2. ... ♗f7 3. fxe5
- 4) yes 1. ... ♜xa3 (1. ... ♕xa3 2. ♜e3+) 2. ♜xd6 ♜xb3 3. ♜xd7
- 5) no 1. ... ♜xa3 2. ♜xd6 ♜xb3 3. ♜xd7 (3. ♜e6+ ♗f7) 3. ... ♜b1+
- 6) yes 1. ... ♜xb4 2. ♕xc6 ♜xb1 3. ♜xb1
- 7) yes 1. ... ♗xd5 2. ♜xf6 ♗xd4 3. ♜xf8+
- 8) no 1. ... ♗xd5 2. ♜xf6 ♜xf6 (2. ... ♗xd4 3. ♜xf8+)
- 9) no 1. ... ♖xf4 2. ♜xf4 ♕xf4

40: Eliminating the defence (♠ or ♡): B

- 1) no 1. ... ♕xd3 2. ♕xe5 ♕xe5 3. ♜xd3 ♕xa1
- 2) yes 1. ♖xe4 f5 2. ♜xg6+ (2. ♖c3 ♜xg3) 2. ... fxg6
- 3) yes 1. ... ♜xb3 2. ♕xd5 ♜xb1 (2. ... cxd5 3. ♜xb3) 3. ♕e4+
- 4) yes 1. ... ♗xc4 2. ♕xd6 ♗xd4 (2. ... ♗f1+ 3. ♜d1) 3. ♕xf8+
- 5) no: 1. ♜f1 ♜xe3 2. ♜b8+ (2. ♜xf7? ♜xb3) 2. ... ♗h7 3. ♜xf7
- 6) yes: 1. ... ♜xb2 2. ♖xc4 ♜xb1 3. ♖d2+
- 7) yes: 1. ... ♖xe4 2. ♖xc6 ♖xf2 3. ♖e5+
- 8) Drawing
- 9) yes 1. ♜xe2 ♜xg3 2. ♜xe5 ♜xg2 3. ♗xg2 fxe5

41: Mate: visualising: E

- 1) 1. ♖e1 ♖h5 2. ♗f4+ ♖h4 3. ♜h3#
1. ♖e1 ♖h5 2. ♗f4+ ♖h6 3. ♜g6#
1. ♖e1 g4 2. ♗g1 g3 3. ♗f3#
1. ♖e1 g4 2. ♗g1 ♖g3 3. ♜f2#
- 2) 1. ♜g7 ♖xd1 2. ♖d3 ♖c1 3. ♜a1#
1. ♜g7 ♖f2 2. ♜g1+ ♖e2 3. ♜e1#
1. ♜g7 f2 2. ♜g4+ ♖xe3 3. ♜d3#
1. ♜g7 ♖xe3 2. ♜d4+ ♖e2 3. ♜d2#
- 3) 1. ♜h3 ♖d7 2. ♗f4+ ♖c6 3. ♜c8#
1. ♜h3 ♖d7 2. ♗f4+ ♖e7 3. ♗g6#
1. ♜h3 ♖d5 2. ♗f4+ ♖e5 3. ♜f5#
1. ♜h3 d5 2. ♜d8 d4 3. ♜g2#
- 4) 1. ♜c4 ♖f5 2. ♜g3 ♖e4 3. ♜d3#
1. ♜c4 ♖f5 2. ♜g3 ♖f6 3. ♜g5#
1. ♜c4 ♖xh4 2. ♜f4+ ♖h3 3. ♜f1#
1. ♜c4 ♖xh4 2. ♜f4+ ♖h5 3. ♜f7#
- 5) 1. ♜b4 ♜xb4 2. ♗b3 a3 3. ♗d4#
1. ♜b4 ♜xb4 2. ♗b3 axb3 3. a4#
1. ♜b4 ♜xb4 2. ♗b3 ♜e1 3. ♜b7#
1. ♜b4 ♜xb4 2. ♗b3 ♜c5 3. ♜a5#
- 6) 1. ♜h6 e4 2. ♜h5+ ♖f4 3. ♜h6#
1. ♜h6 ♖g4 2. ♜g6+ ♖f4 3. ♜h6#
1. ♜h6 ♖g4 2. ♜g6+ ♖h4 3. ♜f6#
1. ♜h6 ♖e4 2. ♜g5 ♖d4 3. ♜f4#
- 7) 1. ♗c7 a3 2. ♗a8+ ♖a6 3. ♜xa3#
1. ♗c7 b4 2. ♜d6+ ♖a7 3. ♗b5#
1. ♗c7 ♖a7 2. ♜c5+ ♖b8 3. ♗a6#
1. ♗c7 ♖a5 2. ♜c5 a3 3. ♜xb5#
- 8) 1. ♜e6 ♖xb5 2. ♜d5+ ♖a4 3. ♗b6#
1. ♜e6 ♖xb5 2. ♜d5+ ♖a6 3. ♗b4#
1. ♜e6 ♜a8 2. ♜b6+ ♖a4 3. ♗c5#
1. ♜e6 ♖a4 2. ♜c4+ ♖a5 3. ♜b4#

42: Mate: visualising: F

- 1) 1. ♜c6 ♖b5 2. ♗d4+ ♖a4 3. ♜c4#
1. ♜c6 ♖b4 2. ♜b6+ ♖a4 3. ♗c5#
1. ♜c6 b5 2. ♗c5+ ♖b4 3. a3#
1. ♜c6 b6 2. ♜c4+ ♖b5 3. ♗c7#
1. ♜c6 bxc6 2. ♖c4 c5 3. ♗xc5#
- 2) 1. ♗a1 a4 2. ♗c2 ♖b3 3. ♜f7#
1. ♗a1 c2 2. ♜b8 ♖xa1 3. ♜b2#
1. ♗a1 ♖a3 2. ♜f7 c2 3. ♜b3#
1. ♗a1 ♖a3 2. ♜f7 a4 3. ♗c2#
1. ♗a1 ♖a3 2. ♜f7 ♖b4 3. ♜b3#
- 3) 1. ♜e1 d4 2. ♜g3+ ♖d5 3. ♜c6#
1. ♜e1 ♖d4 2. ♜f5 ♖e3 3. ♜e5#
1. ♜e1 ♖d4 2. ♜e8 ♖c4 3. ♜a4#
1. ♜e1 ♖d4 2. ♜f5 ♖c4 3. ♜d3#
1. ♜e1 ♖f4 2. ♜g3+ ♖e3 3. ♜d3#
- 4) 1. ♗e3 ♖g5 2. ♜g4+ ♖xh6 3. ♗f5#
1. ♗e3 ♖e5 2. ♜f1 ♖e4 3. ♜e6#)
1. ♗e3 ♖g3 2. ♜h4 ♖xh4 3. ♜g4#

1. ♖e3 ♘g3 2. ♜h4 h6 3. ♗f5#
1. ♖e3 ♘e4 2. ♜e6+ ♘f4 3. ♙g4#
- 5) 1. ♘e7 ♘e5 2. ♙e3 d4 3. ♙g3#; 3. ♗f3#; 3. ♗f7#
1. ♘e7 ♘e5 2. ♙e3 dxe4 3. ♙xe4#
1. ♘e7 ♘c5 2. ♗e6+ ♘c6 3. exd5#
1. ♘e7 dxe4 2. ♗e6+ ♘e5 3. ♙b5#
1. ♘e7 g6 2. ♘d6 dxe4 3. ♗e6#
- 6) 1. ♗f8 f4 2. ♙e2+ ♘d5 3. ♙e6#
1. ♗f8 ♘e5 2. ♙c4 g4 3. ♙d4#
1. ♗f8 ♘e5 2. ♙c4 f4 3. ♙e6#
1. ♗f8 ♘d5 2. ♙d3+ ♘c6 3. ♙d7#
1. ♗f8 ♘d5 2. ♙d3+ ♘e5 3. ♙d4#

43: Stalemate: yes or no?: A

- 1) 1. ♙g5+ ♗xg5 2. ♜xg6+ ♘xg6 (yes)
- 2) 1. ♜a5 ♙xa5 2. ♙g6+ ♘xg6 3. Kf8 (no)
- 3) 1. ♜a5 ♙xa5 2. ♙f5+ ♙xf5 (2. ... ♘h6 3. ♙f6+ ♙xf6) (yes)
- 4) 1. ♗b4 e1♙ 2. ♜e8+ ♘xe8 3. ♘a4 (no)
- 5) 1. ♗b4 e1♙ 2. ♜e8+ ♘xe8 (yes)
- 6) 1. ♗b4 e1♙ 2. ♜e8+ ♗xe8 3. ♘xb5 (no)
- 7) 1. ♘b5+ ♙xa3 2. ♜e8+ ♙xe8 3. ♘b6 (no)
- 8) 1. ♘b5+ ♙xa3 2. ♜e8+ ♙xe8 (yes)
- 9) 1. ♙d4+ ♙xd4 2. ♙xh3+ ♙xh3 (yes)

Blind / Stalemate: yes or no?

- 1) no 2. ♘e1
- 2) no 2. ♘g1
- 3) yes
- 4) no 2. hxg6 e.p.
- 5) yes
- 6) yes
- 7) yes

44: Draws / Stalemate: A

- 1) 1. d8♙ ♙f6+ 2. ♘a6 ♙xd8 stalemate
- 2) 1. ♘b2 ♗c5 2. ♘a3 ♙xc3 stalemate
- 3) Drawing
- 4) 1. g6 ♜a1 2. ♙f2+ ♗xf2 stalemate
- 5) 1. b8♙ ♜xb8+ 2. g8♗+ ♘g6 stalemate
- 6) 1. ♗g6+ ♜xg6 2. ♙h2+ ♙xh2 stalemate
- 7) 1. bxc5+ ♙xc5 2. b4 ♙xg1 stalemate
- 8) 1. ♘a3 ♙b4+ 2. ♘b4 a5+ 3. ♘xa5 (3. ♘b5) stalemate
- 9) 1. ♜a7+ ♘d6 2. ♜a8 ♙xa8 stalemate
- 10) 1. e8♙+ ♗e6+ 2. ♘d6 ♙xe8 stalemate
- 11) 1. ♜d8+ ♙g8 2. ♘h6 ♙xd8 stalemate
- 12) 1. ♙c4 ♜xd7 2. ♙e6+ ♙xe6 stalemate

45: Draws / Stalemate: B

- 1) 1. ♙g3+ ♘xg3 2. ♗c6 ♙xb7 stalemate
- 2) 1. h8♙ e1♙ 2. ♙c3+ ♙xc3 stalemate
- 3) 1. ♙xh2 ♜xh2 2. ♜g2 (2. ♜xb4+? ♘a6) 2. ... ♜h8 3. ♜g8 ♜h7 4. ♜g7 stalemate
- 4) 1. ♘xf3 ♗f4 2. ♜d4+ ♘xd4 (2. ... ♘c5 3. ♜xf4 gxf4 4. ♘xg2 ♘d5 5. ♘f3 ♘e5 6. ♘f2) stalemate
- 5) 1. e7 ♘xe7 2. ♙c6 ♙xc6 stalemate

- 6) 1. d8♖ g5+ 2. ♜xf6 (2. ♘h7 ♜g7+ 3. ♘xg7) stalemate
- 7) 1. d8♖ ♜d7+ 2. ♙d6 ♜xd8 stalemate
- 8) 1. ♙d5+ ♘g1 2. ♘xc8 (2. ♙xh1? ♘d6+) 2. ... ♜xd5 stalemate
- 9) 1. ♘f6 g5 (1. ... ♘xh7? 2. g5) 2. ♙g8 (2. ♘f5 ♘xh7 3. ♘xg5 ♘g7; 2. ♙b1) stalemate
- 10) 1. ♙d5+ ♜xd5 (1. ... ♘f8 2. ♜h8+) 2. ♜h8+ (2. ♜xd5 ♙xe4+ 3. ♜f5 a3) 2. ... ♘xh8 stalemate
- 11) 1. ♘xg4 ♘xg4 2. ♙g2 (2. ♙f3+? ♘xf3) 2. ... hxg2 (2. ... ♙xg2) stalemate
- 12) 1. ♘xc6+ ♜xc6 2. ♜xg8+ ♜xg8 stalemate

46: Avoiding stalemate: A

- 1) 1. c7 ♜xc7 2. g5 ♘f7
- 2) 1. g7 (1. ♙f7) 1. ... ♜xg7 (1. ... ♜f7+ 2. ♙xf7) 2. ♙b2+ ♘xb2 3. ♘xg7
- 3) 1. g8♖+ ♘xg8 2. f7+ ♘h7 3. f8♖ ♜b1#
- 4) 1. ♜g3+ ♙b3 2. ♜c3 bxc3 3. ♙c5#
- 5) 1. ♜b5+ cxb5 2. axb5 ♙c7 3. ♘xa7
- 6) 1. ♙xd3 exd3 2. g6 ♘b4
- 7) 1. ♘c2 g6 2. ♙f5 gxf5 3. g6 f4 4. g7 f3 5. g8♖
- 8) 1. ♘xh2 ♙d2 2. ♘g3 (2. b8♖? ♙f4+ 3. ♜xf4 stalemate; 2. ♙g6+? ♘g5)
- 9) 1. ♜b4 (1. ♜e1? b1♖) 1. ... b1♖ 2. ♜ab5
- 10) 1. ♜xe5 ♜d6 2. ♙b6+ ♘xb6 (2. ... ♜xb6 3. ♜a1#) 3. ♜xd6+
- 11) 1. ♜f1+ ♜xf1+ 2. ♙xf1 (2. ♘xf1? h3) 2. ... h3 3. ♜g2 hxg2 4. ♙xg2#
- 12) 1. ♙g6 f5 (1. ... f6 2. ♙xh5 g5+ 3. ♘g4) 2. ♙xf5 g5#

47: Discovered attack / which front piece?: A

- 1) ♘d5 1. ♘f6+ wins the queen
♜d5 1. ♜d8+ ♘xd8
- 2) ♜e5 1. ♜e8+ wins the queen
♘e5 1. ♘c6+ ♜xb2
- 3) ♙g1 1. ... ♙d4 wins the queen
♘g1 1. ... ♘f3+ / 1. ... ♘e2+ 2. ♜xa1
- 4) ♘d6 1. ... ♘e4+
♙d6 1. ... ♙f4+ 2. ♘xf4
- 5) ♙d6 1. ♙e5+ wins
♘d6 1. ♘f5+ ♙xf5
- 6) ♘c5 1. ♘e6+ wins
♙c5 1. ♙d4+ ♙e5
- 7) ♘b2 1. ♘d3+ wins
♙b2 1. b4+ cxb3 e.p.
- 8) ♘c2 1. ♘d4+ wins
♙c2 1. ♙f5+ gxf5+
- 9) ♘e4 1. ♘f6+ wins
♙e4 1. ♙xg6 ♜xe1+

48: Discovered attack: A

- 1) 1. ♜h8+ ♘b8 2. ♘b5 (2. ♘xe6? ♜b6)
- 2) 1. ... ♘xe4 2. ♜e1 ♘g5 (2. ... ♘d2? 3. ♙xd2)
- 3) 1. ♜xf2 ♜xf2 2. ♘f6 (2. ♘f4? ♙g4)
- 4) 1. ♜xe2 ♜xe2 2. ♘e7! (2. ♘e3? ♙c8)
- 5) 1. ♘xd4 ♜xd4 2. ♙f5! (2. ♙a6? ♜g4)
- 6) 1. ♜xf6 ♜xd5 (1. ... ♜e7 2. ♜g6) 2. ♜f3 (2. ♜f8+ ♘xf8)
- 7) 1. ♜b1 ♜xa3 2. ♙h7+ (2. ♙c4+? d5)
- 8) 1. ♘xg3 ♜xg3 2. ♙e5! (2. ♙f2? ♜c7) 2. ... ♘xe5? 3. ♜d8#
- 9) 1. cxb4 ♜xb4 2. ♘b5+! (2. ♘e6+? ♘xe6)

Discovered attack

(4-1)

- 1) 1. ♖b5#
- 2) 1. ♜d8#
- 3) 1. ♘h7
- 4) 1. ♘f3#
- 5) 1. ♘f3 ♜g2 2. ♜b1+
- 6) 1. ♘c6 ♜c8 2. ♘a7

(4-2)

- 1) 1. ♙b7#
- 2) 1. ♖g6#
- 3) 1. ♙c6#
- 4) 1. ♘c3#
- 5) 1. ♘e6
- 6) 1. b8♘#

49: Discovered attack: B

- 1) 1. ♘xf6+ ♙xf6 2. ♜g5+ (2. ♜b8+ ♜xb8 3. ♜xd7 ♜b1+) 2. ... hxg5 3. ♜xd7 ♜d8 4. ♜a4
- 2) 1. ♙xe4 ♙b7 2. ♙d5+ (2. ♙xh7+? ♜xh7+) 2. ... ♜xd5 (2. ... ♙xd5 3. ♜xe5) 3. ♜e8#
- 3) 1. ♘d4 ♘f5 2. ♘e6 (2. ♘c6? ♜e8) 2. ... ♜xd3 3. ♘d8+
- 4) 1. ♘xg6+ (1. ♙d3 ♘e5 2. ♙xa6 g5) 1. ... hxg6 2. ♙d5 (2. ♙d3 ♜xe2 3. ♙xe2 ♜a8)
- 5) 1. ... ♖e6 2. ♖xc7 ♙d8+ (2. ... ♙d6+? 3. ♖c8)
- 6) 1. cxd4 ♜xa3 2. ♙g8+ (2. ♙c2+ ♘de4 (2. ... ♘f5)) 2. ... ♖xg8 3. ♜xa3
- 7) 1. ♘xf7 ♜xf7 2. ♙a6! (2. ♙xg6? ♜g7!)
- 8) Drawing
- 9) Drawing

Mate in two

(4-1)

- 1) 1. ♙a5 ♖xa5 2. ♜a7##
- 2) 1. ♙f6 ♖a3 2. ♜a5#
- 3) 1. ♙h5 ♖e7 2. ♜d6#
- 4) 1. ♙f4 ♖f6 2. ♜f7#

(4-2)

- 1) 1. ♘h5+ ♖g8 2. ♜g7#; 1. ... ♖h7 2. ♜g7#
- 2) 1. ♙e3 ♖e5 2. ♜e6#; 1. ... ♖f7 2. ♜g6#
- 3) 1. ♖f5 ♖h8 2. ♘f6#; 1. ... ♖f7 2. ♜f8#
- 4) 1. ♖c3 ♖a1 2. ♖c2#; 1. ... ♖xc1 2. ♜g1#
- 5) 1. ♖d3 ♖a2 2. ♜b2#; 1. ... ♖c1 2. ♜h1#
- 6) 1. ♙a4 ♖d3 2. ♙b5#; 1. ... ♖e1 2. ♜c1#
- 7) 1. ♖f6 ♖g8 2. ♜d8#; 1. ... ♖h6 2. ♜h3#
- 8) 1. ♙c2+ ♖e3 2. ♜f2#; 1. ... ♖g4 2. ♙d1#

50: Discovered attack: C

- 1) 1. ♙xg6 ♙xg6 2. ♘f4! (2. ♘e7? ♙d3!)
- 1) 1. ♜xf6 ♜d5 2. ♜xc6 (2. ♜f3? f6 3. ♙xf6 ♜d7; 2. ♜d6? ♜g2#)
- 1) 1. b4 (1. ♜g3+? ♖f6 2. b4 ♘c4 3. bxa5 ♘d2) 1. ... ♜xb4 2. ♜g3+ (2. ♜xc7+? ♘f7)
- 1) 1. ♜ad1 c5 2. ♘f5 (2. ♘b5? ♙xb5+) 2. ... ♜xd2 3. ♘d6+ 0-1
- 2) 1. ... ♜e8 2. ♜xc7 ♙d6 (2. ... ♙d8? 3. ♜c5)
- 3) 1. ♙d3 ♖h8 2. ♘xc5 (2. ♘f6? ♜xd3)
- 4) 1. ... ♜d2 2. ♜xd2 ♘e2+ (2. ... ♘h3+? 3. ♙h3+)

- 5) 1. ♖xb2 ♘xb2 2. ♘c3 (2. ♘c1? ♘f6)
- 6) 1. ♖h1 ♗xe5 2. ♘c6 (2. ♘xg6+? hxg6#)

Blind games

(4-2)

- 1) 4. ... g5
- 2) 4. ... ♗h4#
- 3) 4. f3
- 4) 4. ... c4
- 5) 4. ♘xb7
- 6) 4. ♘f6#

(4-2)

- 1) 5. ... c4
- 2) 5. ... ♘g3#
- 3) 5. ... ♗f6
- 4) 5. dxe5
- 5) 5. ... ♘g4
- 6) 5. ... ♗h4#

51: Mix: D

- 1) 1. ♘b4 ♘xb4 2. ♖e5+ ♖f6 3. ♖d6# (mate in three)
- 2) 1. ♘h6 ♗h3 2. ♗a2+ ♖h8 3. ♗a8+ (defend against mat)
- 3) 1. ♖xc6 ♘xa4 2. ♖c8+ ♖e7 3. ♘xa4 (unpinning)
- 4) 1. ... ♖h6 2. ♘c5+ ♖g8 3. ♗xh6 (the pin: a pinned piece is not a good defender)
- 5) 1. ... ♖g7 2. ♖b8 ♖xg5+ 3. fxg5 ♘g3# (defend against mat)
- 6) 1. ♗xe4 ♖e8 2. ♗xg6+ (2. ♗xe8? ♖xc4+) (the pin: a pinned piece is not a good defender)
- 7) 1. ♖d3 e2 2. ♖h3 e1 ♗ 3. g4# (defend against a passed pawn)
- 8) 1. ♘h4 ♘d6 2. ♘g3 ♗e7 3. ♗xe7 (trapping thanks to a pin)
- 9) 1. ... d1 ♗ 2. ♘d1 e2 3. ♖d5 (3. ♘xe2 stalemate) 3. ... e1 ♗ (3. ... exd1 ♗ 4. ♖xd1) 4. ♖h5# (defending against a passed pawn and avoiding stalemate)

Blind Mix

(4-2)

1. b8 ♗+ (defend against mat)
1. c8 ♖ (1. c8 ♗ stalemate) 1. ... ♖a6 2. ♖a8# (mate in two)
1. ♖d1+ ♖c7 2. ♖xe8 (eliminating the defence: chasing away+material)
1. ♘d4 c1 ♗ 2. ♘e2+ (defend against a passed pawn)
1. ♗f3+ ♖g1 2. ♘h3+
1. ♘d2+ ♖c1 2. ♖xh2 (avoiding stalemate)

(4-3)

1. ♗e4# (mat in een)
1. ♖d6 and 2. ♖g8# or 2. ♖xc5 (double attack: 2 pieces)
1. ♖f1 (getting out of check)
1. ♗xf3 (avoiding stalemate)
1. ♖e3+ ♖xe3 (forcing stalemate)
1. ♘c2 ♗xc2 (forcing stalemate)

52: Mix: E

- 1) 1. ... ♘f7 2. ♘g5 ♘d8 (2. ... ♘d5 3. ♖e8#) 3. ♖e8# (discovered attack)
- 2) 1. b8 ♗+ ♖g7 2. ♗b7+ ♖g6 3. ♗xd5 (defend against perpetual check)
- 3) 1. ♖c8 ♘xd5+ 2. ♖xe8+ ♖f7 3. ♖e4 (pawn ending: key squares!)

- 4) 1. ♖c8+ ♕d8 (1. ... ♗d8? 2. ♖xe6+) 2. ♕g5 ♖f7 3. ♗xd8 (3. ♕xd8? ♗d2+) (the pin: attack on a pinned piece)
- 5) 1. ♖c1 ♕d7 (1. ... ♖f8? 2. ♖c8+) (defend against mate)
- 6) 1. g4 ♖g3+ (1. ... ♖xg4) 2. hxg3 ♖e2 (2. ... fxg3) 3. gxf4 gxf4 4. g5 f3 5. g6 (avoiding stalemate)
- 7) 1. ♗e4+ ♖g4 2. ♗f2+ (2. ♖g2 ♗xf6) 2. ... ♖g5 3. h4# (mate in three)
- 8) 1. b8♖+ ♖g7 2. ♖a7+ ♖h6 3. ♖a2 (defend against perpetual check)

Passed pawn: stopping or cashing in?

- 1) 1. ♖f5+ and 2. ♖g4
- 2) 1. ♖f2 (1. ... ♖xg2 stalemate)
- 3) 1. ♕e8 and 2. ♕c6(+)
- 4) 1. ♖g6 and promote
- 5) 1. ♕e2+ ♖c1 2. ♕d3
- 6) 1. ♖g6 (trapping)
- 1) 1. ♖d3
- 2) 1. ♕d6+ and 2. ♕h2
- 3) 1. ♖a6 and 2. ♕b7(+)
- 4) 1. ♖c2
- 5) 1. ♖c4 and 2. ♕d4
- 6) 1. ♖b2 and 2. b8♖

53: Perpetual check (♗ or ♘): A

- 1) no 1. ♖g1 ♗xb2 2. ♖c8+ ♖h7 3. ♗f5+ g6 4. ♗f7+ ♗g7
- 2) yes 1. ♗xe8 d1♖ 2. ♗f6+ ♖f8 (2. ... ♖h8? 3. ♖h7#) 3. ♗h7+ ♖e8 4. ♗f6+ ♖f8
- 3) yes 1. ... ♕f6+ (1. ... g5+? 2. ♗xg5 hxg5+ 3. ♖g4) 2. ♗xf6+ ♗xf6+ 3. ♖h3 ♗f1+ 4. ♖h4 (4. ♗g2?? ♗f5+) 4. ... ♗f6+ 1/2-1/2
- 4) yes 1. ♗xd8 ♗xf3+ 2. gxf3 ♗h2+ 3. ♖g1 ♗xf3+ 4. ♖f1 (4. ♖h1? ♖h2#) 4. ... ♗h2+ 1/2-1/2
- 5) yes 1. ♖e8+ ♖h7 2. ♖h8+ ♖xh8 3. ♗e8+
- 6) no 1. ♗xg7+ ♖xg7 2. ♖g3+ ♖h6 3. ♖h3+ ♖g6 4. ♖g3+ ♖h5 5. ♖h3+ ♖g4
- 7) yes 1. ♖xc7 b2 2. ♖c8+ ♖f7 3. ♖c7+ ♖f8 (3. ... ♖f6 4. ♖e6#) 4. ♖c8+= 1/2-1/2
- 8) no 1. ♖c5+ ♖c2 2. ♖g1+ d1♗ (2. ... d1♖? 3. ♖e3+ ♖cd2 4. ♖c5+ ♖1c2 5. ♖g1 =)
- 9) yes 1. ♖d7+ ♖g6 2. ♖e8+ (2. ♖d3+? f5 3. ♖d6+ ♖h7) 2. ... ♖h6 (2. ... ♖f5 3. ♖e4#) 3. ♖h8+

54: Route planner / Mate: A

- 1) 1. ♖g5 ♖e8 2. ♖g7 ♖d8 3. ♖d7#
- 2) 1. ♖b3 f2 2. ♖a3+ ♖b1 3. ♕e4#
- 3) 1. ♗b4 ♖f6 2. ♗d5+ ♖f5 3. g4#
- 4) 1. ♕a2 ♖xa2 2. ♖c2 ♖a1 3. ♖xa3#
- 5) 1. exd8♗ ♖xd8 2. ♖e6 ♖e8 3. ♖c8#
- 6) 1. ♖a1 b2 2. ♖a8 b3 3. ♖h1#
- 7) 1. ♕d2 c3 2. ♕b5 cxd2 3. c4#
- 8) 1. a4 ♖a7 2. ♖c7 ♖a6 3. b8♗#
- 9) 1. ♗c5 ♖d5 2. c4+ ♖d4 3. ♖e4#

Blind / Mate planner

(4-1)

- 1) 1. ♖f4 2. ♖g5#
- 2) 1. ♖f5 2. ♖h2#
- 3) 1. ♗g4 2. ♖f1#
- 4) 1. ♖g6 2. ♖h1#

(4-2)

- 1) 1. ♗f3 2. ♖h3#

- 2) 1. ♖b3 2. ♜c1#
- 3) 1. ♜g6 2. ♖d6#
- 4) 1. ♖c1 2. ♜a5#

55: Route planner / Mate: B

- 1) 1. ♜d2 ♖b1 2. ♖f6 ♖c1 3. ♜d1#
- 2) 1. ♖c7 f6 2. ♖d8 ♖b7 3. ♜c8#
- 3) 1. ♖f3 e6 2. ♜d8 ♖f5 3. ♜f6#
- 4) 1. ♖g8 c2 2. ♜f7 ♖a2 3. ♜a7#
- 5) 1. ♜a8 ♖d7 2. ♖b8 ♖e8 3. ♖c7#
- 6) 1. ♖e2+ ♖e4 2. ♜f4+ ♖xd3 3. ♖c1#
- 7) 1. ♖b2 ♖xb4 2. ♖c6 ♖xa5 3. ♖c3#
- 8) 1. ♜f5 ♖d4 2. ♜e5 ♖xe5 3. ♜e4#
- 9) 1. ♜g6+ ♖d5 2. ♜a6 ♖e4 3. ♜e6#

Blind / Matplanner

(4-1)

- 1) 1. ♖e4 2. ♜h3#
- 2) 1. ♖f6 2. ♜d8#
- 3) 1. ♖d8 2. ♜c8#
- 4) 1. f8♖ 2. ♜h8#

(4-2)

- 1) 1. ♖d7 2. ♖e6#
- 2) 1. ♖d6 2. ♖f6#
- 3) 1. ♖c4 2. ♜a5#
- 4) 1. ♜g5 2. ♜h5#

(4-3)

- 1) 1. ♖e3 2. ♜a5#
- 2) 1. b8♖ 2. ♜g8#
- 3) 1. ♜a8 2. ♜h1#
- 4) 1. b8♖ 2. ♜a7#

56: Defending and refuting

- | <i>right move</i> | <i>wrong</i> | <i>wrong</i> | <i>wrong</i> |
|-------------------|----------------------|----------------------|---|
| 1) 1. ♜f3 ♜h4! | 1. ... ♜g4+ 2. ♜g3 | 1. ... ♜h5 ♜g3+ | 1. ... ♜e6 2. ♖c4 |
| 2) 1. ♜d5 ♜c6! | 1. ... ♜b4 2. ♜b5 | 1. ... ♜e7 2. ♜e5 | 1. ... ♜xe3? 2. ♜e5+ |
| 3) 1. ♜d4 ♜f8! | 1. ... ♜xd4 2. ♖c6+ | 1. ... ♖xd4 2. ♖xe6+ | 1. ... ♜f6 2. ♖c6# |
| 4) 1. ♜f5 ♜h4! | 1. ... ♜e7 2. ♜xf7 | 1. ... ♜g6 2. ♖xf7 | 1. ... ♜d4 2. ♖b5+ |
| 5) 1. ♖xc6 ♖h4! | 1. ... a1♜ 2. ♖e8# | 1. ... ♖d2 2. h4 | 1. ... ♖f4 2. ♖xf4 a1♜ 3. ♖e8#) |
| 6) 1. h4 gxh3! | 1. ... gxh5 2. ♜2c6# | 1. ... ♖xh5 2. ♜h7# | 1. ... g5 2. ♜h7#) |
| 7) 1. g3 ♜h3! | 1. ... ♜g4 2. ♖f2 | 1. ... ♜d4 2. ♖b5+ | 1. ... ♜a4 2. ♖b5+) 2. ♖f2? ♜g2# |
| 8) 1. ♜b4+ e4! | 1. ... ♜xb4 2. ♖f3# | 1. ... ♜d4 2. ♖f3# | 1. ... ♖xg5 2. ♖e4+) 2. ♖f3+ |
| 9) 1. ♜h2 f1♖! | 1. ... ♖h5 2. ♖xf2# | 1. ... g1♜ 2. ♖xg1# | 1. ... gx4 2. ♖xf2+ ♖g5
3. ♜xg2+♖f5 4. ♜g1 |