

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? ♗xg4+) (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
- 2) 1. h3 ♖g3 2. ♖c7 ♙xe4 (threatens mate on g2 so 3. ♖xe7 is not possible)
- 3) 1. ... ♗h4 2. ♙d1? (2. ♖h1!) 2. ... ♖xg2+ 3. ♞xg2 ♞f1#
- 4) 1. h3 ♞h4 2. g3 ♞xb4
- 5) 1. ♖h5+ ♖f8 2. ♙b5
- 6) 1. ♖d3 ♞xd5 2. ♖xd5 ♖xd5
- 7) 1. ♞fe1 ♗c5 2. ♖xd5
- 8) 1. ... ♗xd5 2. ♙f3 (2. ♙c4? ♗f4)
- 9) 1. ... exf4 2. gxf4 ♞h5! (2. ... ♞g3+? 3. ♙b3)
- 10) 1. ♞a6+ ♖b2 2. ♞a7
- 11) 1. ♙b5+ ♙c6 2. ♗d5
- 12) 1. ... ♗xd5 2. ♙f3 (2. ♙c4? ♞e7)

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 2. axb6 ♗xb6
- 5) 1. ♙h2 ♞e7+ 2. ♖f2 ♗d5
- 6) 1. ... ♖g7 2. ♖xc4 ♖xd7
- 7) 1. ... ♖e6 2. ♞e1 ♗e5
- 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 ♞f8#
- 12) 1. ♞xf6 ♞d2 2. ♞f8+

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. ♖c8#

- 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 ♗ h6#
 ♖ 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 2 x ♗f6# 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. ... ♘xg6
- 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)

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 |

Blind / Defend against the double attack

- (4-2)
 1) ♕c3
 2) ♖e4
 3) ♖3d4
 4) ♕d4
 5) ♕e4

- 6) ♖f5
- 7) ♕d6

(4-3)

- 1) ♖c7
- 2) ♖a7
- 3) ♖c5
- 4) ♖e4
- 5) ♖g1
- 6) ♖e7
- 7) ♖d5 (and after 1. ... ♗d7 Black has 2. ♖d6! = defend against chasing away and material)

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. ... ♖c3#] 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#

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. #

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. ♜e3 ♕a5 2. ♜a3#

(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. ... ♕a5 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+ ♜c4 2. ♖c3#
 1. ♖d2+ ♜e4 2. ♖c2+
 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 2. ♖xe5 (2. ♜xe5? ♙d6)
 1. ♖f4 f6 2. ♖xf5 ♜xc4
- 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 ♖b3 2. c4
 1. ♙h5 g6 2. ♙h6#
 1. ♙h5 ♜d8 2. ♖xd8
- 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. ♗f1
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. ♗h3+ ♗b8 2. f5
- 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. ♗xf7+ ♕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 ½-½)
- 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 gxh3 3. h4 f2 ½-½) 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 2. h6 ♖d5 3. ♜g7 ♖e6 4. ♜xh7 ♖f7
- 2) 1. ... ♜g7 2. e5 fxe5 3. ♜g5
- 3) 1. ♜g6 ♜xd6 2. ♖e5 ♜xg6 3. hxg6
- 4) 1. ... a5 2. ♖d6 ♖c8 3. ♖xe5 ♖c7 4. ♖d4
- 5) 1. ♖b6 ♖f5 2. ♖xa5 ♖e6 3. ♖xa6 ♖d7 4. ♖b7
- 6) 1. ♖d4 (1. ♖d3 a4 2. ♖c4 a3 3. bxa3) 1. ... a4 2. ♖c5 (2. ♖c4 a3 3. bxa3 ♖e6 4. ♖c5 ♖d7 5. ♖b6 ♖c8) 2. ... a3 3. bxa3 ♖e7 4. ♖c6 ♖d8 5. ♖b7
- 7) 1. ♜xc5 bxc5 2. ♖e5 (2. ♖d5 ♖f5 3. ♖xc5 ♖g4) 2. ... c4 3. ♖d4
- 8) 1. ♖f2 (1. h5 ♖g2 2. hxg6 f2+ 3. ♖d2 f1♚ 4. g7 ♚f7) 1. ... ♖h3 2. h5 gxh5 3. ♖xf3
- 9) 1. ... ♖c3 (1. ... ♖d3 2. ♖e5! (2. ♖f3 ♖c4) 2. ... ♖c4 3. ♖d6 ♖b5 4. ♖c7) 2. ♖e3

(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
- 2) 1. ♖d5 ♖xg4 2. ♖e4!
- 3) 1. ... e5 2. dxe5 ♖xe5 (2. ... fxe5? 3. e4+ fxe4+ 4. ♖e3)
- 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) 2. ♖f6 gxh5 3. ♖f7
- 6) 1. ... ♚d6 2. ♖c4
- 7) 1. gxf5 ♜xf5 2. ♜f3 ♜xf3+ 3. ♖xf3 (3. gxf3 ♖f7=)
- 8) 1. ♜xf7+ ♜xf7 2. ♖xf7 ♖h8 (2. ... ♖h6? 3. ♖f6) 3. ♖f6 ♖g8 4. ♖xf5 ♖f7
- 9) 1. ... ♜e6+ 2. ♖e5 ♜xd4 3. ♖xd4

(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) 1/2-1/2
5) 1-0

35: Pawn endings: key squares: B

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

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) yes 1. ♗xb7 ♗d5 2. ♙b3 (2. ♙e4 ♗c5+)
- 4) yes 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. ♜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#
- 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 stalemate
- 8) 1. ♜a3 ♞b4+ 2. ♜xb4 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 1/2-1/2
- 6) 1. ♜xd3 exd3 2. g6 ♜b4 1/2-1/2

- 7) 1. ♖c2 g6 2. ♕f5 gxf5 3. g6 f4 4. g7 f3 5. g8 ♖ 1/2-1/2
- 8) 1. ♖xh2 ♕d2 2. ♖g3 (2. b8 ♖? ♕f4+ 3. ♖xf4)
- 9) 1. ♚b4 (1. ♚e1? b1 ♖) 1. ... b1 ♖ 2. ♚ab5
- 10) 1. ♖xe5 ♖d6 2. ♕b6+ ♖xb6 (2. ... ♖xb6 3. ♖a1#) 3. ♖xd6+ 1/2-1/2
- 11) 1. ♖f1+ ♖xf1+ 2. ♕xf1 (2. ♖xf1? h3) 2. ... h3 3. ♚g2 hxg2 4. ♕xg2#
- 12) 1. ♕g6 f5 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)
- 1) 1. ... ♗xe4 2. ♚e1 ♗g5 (2. ... ♗d2? 3. ♕xd2)
- 2) 1. ♚xf2 ♚xf2 2. ♗f6 (2. ♗f4? ♕g4)
- 3) 1. ♚xe2 ♚xe2 2. ♗e7! (2. ♗e3? ♕c8)
- 4) 1. ♗xd4 ♖xd4 2. ♕f5! (2. ♕a6? ♖g4)
- 5) 1. ♚xf6 ♖xd5 (1. ... ♖e7 2. ♚g6) 2. ♚f3 (2. ♚f8+ ♖xf8)
- 6) 1. ♚b1 ♖xa3 2. ♕h7+ (2. ♕c4+? d5)
- 7) 1. ♗xg3 ♖xg3 2. ♕e5! (2. ♕f2? ♖c7) 2. ... ♗xe5? 3. ♚d8#
- 8) 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. ♙e4 ♙b7 2. ♙d5+ (2. ♙xh7+? ♚xh7+) 2. ... ♜xd5 (2. ... ♙xd5 3. ♜xe5) 3. ♜e8#
- 3) 1. ♖xd4 ♖f5 2. ♖e6 (2. ♖c6? ♚e8) 2. ... ♚xd3 3. ♖xd8+
- 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 ♖xd2) 1. ... ♜xb4 2. ♚g3+ (2. ♚xc7+? ♖f7)
- 1) 1. ♚ad1 c5 2. ♖f5 (2. ♖b5? ♙xb5+) 2. ... ♚xd2 3. ♖xd6+ 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. ... ♖xh3+? 3. ♙xh3+)
- 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. ♗xd1 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. ... ♗xd5 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 promotie
- 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) no 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. ... gxf4 2. ♗xf2+ ♗g5
3. ♜xg2+♗f5 4. ♜g1 |