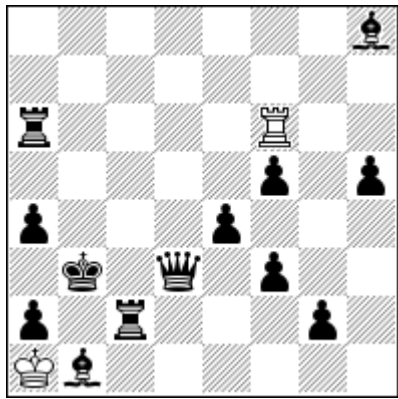


SECTION E: HELPMATES

Judging countries: Great Britain, Greece, Hungary, Lithuania, Slovenia

Theme (proposed by Germany): In a H#3.5-n, a pinned piece is unpinned, makes at least one move and is pinned again. The piece may be pinned in the diagram already or become pinned in the solution before being unpinned and then pinned again. Twins, set play, multi-solution are allowed, but not zero positions. All phases must be thematic.

E01



h#5 2.1.1... 2+13

1.Kc3 Rb6 2.Kd2+ Rb2 3.Rf6 Rxa2 4.Kc1 Rb2 5.Qd2 Rxb1#
1.Rb2 Rc6 2.Ka3 Rc1 3.Bc3 Rxb1 4.Rb3+ Rb2 5.Bb4 Rxa2#

Chernous theme.

Exchange of moves (W3/W5).

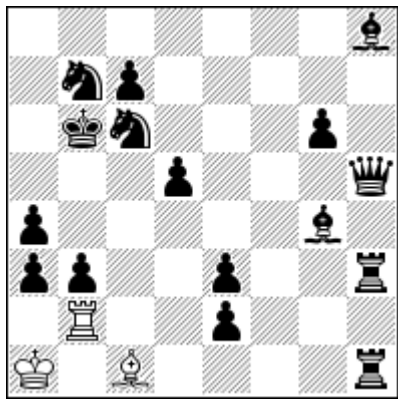
Many-ways (wR, 2).

Unpin/self-pin (white) × 2.

WCCT-12 theme (interference unpin/self-pin, wR) × 2.

Zalokotsky theme (wR/wR, white, 3).

E02



h#4 2.1.1... 3+16

1.d4 Rxb3+ 2.Qb5 Rb1! 3.Sba5 Bb2 4.Qa6 Bxd4#
1.e1=B Bxe3+ 2.Sd4 Bg1! 3.Ba5 Rf2 4.Sb5+ Rf6#

WCCT-12 summary (thematic elements: 4, phases: 2).

Indian (white) × 2.

Exchange of functions (wBc1/wRb2, mating battery firing/rear piece of mating battery + critical move).

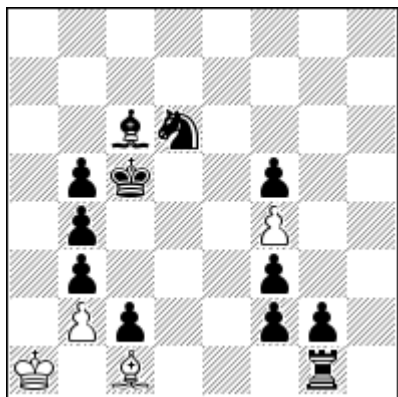
Play on same square (B3, 2).

Reciprocal batteries.

Two white pieces pinned in the diagram position are again pinned in the final positions.

Model mates.

E03



h#6 4+12

1.f1=B Bd2 2.f2 Bc3 3.Bc4+ Be1 4.f1=B Bg3 5.B4d5 Bh2 6.Bfc4+ Bxg1#

Thematic wB is once more unpinned, then delivers mate.

Black Umnov.

Black Bristol.

Self-blocking.

Black Anderssen.

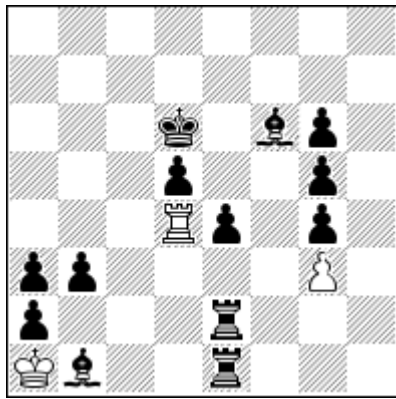
Masked battery.

Black battery.

Indirect unpin.

Promotion.

E04



h#5

3+13

1.Ke5 Rxe4+ 2.Kf5+ Rd4 3.Re5 Rxe4 4.Re6+ Rd4 5.R1e5 g4#

Annihilation.

Closed walk (wR, with captures, 4).

Cross-check (1).

Hesitation (bR).

Square-clearance by capture.

Step-by-step Bristol (black, bR-bR, impure).

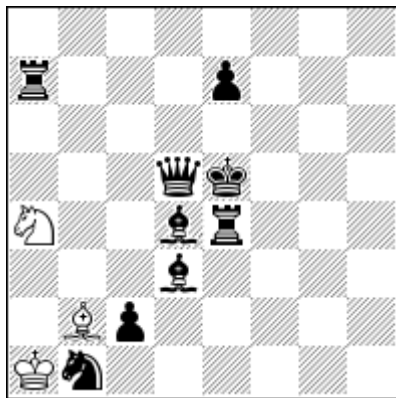
Switchback (wR, with captures, 1) × 2.

Unpin/self-pin (white) × 2.

WCCT-12 theme (interference unpin/self-pin, wR) × 2.

Model mate.

E05



h#4.5**

3+9

*1.Rc7 (Sa3?) Sc3 2.Rc4 (Bc5?) Bc1 3.Bc5 Bf4+ 4.Kd4 Sb5#

*1.Sc3 Ba3 2.e6 Sb2 (Be7?) 3.Rf7 Be7 4.Rf5 Sxd3#

1...Bc3 2.Sa3 (Rc7?) Sb2 3.Sc4+ Ba5 4.Be3 Sa4 5.Kd4 Bc3#

Five thematic elements in three phases without twinning.

In the solution: three thematic elements; additionally, wB and wS. switchbacks, Kozhakin theme, Pelle move.

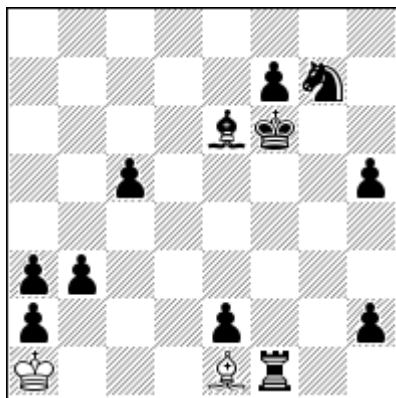
Distant self-block × 4.

Choice of move order (interference avoidance) × 2 (Bc5? and Be7?).

Choice of piece for self-block on c4 × 2 (Sa3? and Rc7?).

Model mates.

E06



h#6

2+12

1.Rf5 Bd2 2.e1=R+ Bc1 3.Ree5 Bd2 4.h1=Q+ Be1 5.Qg2 Ba5 6.Qg6 Bd8#

Thematic wB is pinned and unpinned three times.

Klasinc.

Circuit of wB.

Switchback of wB.

Chernous theme.

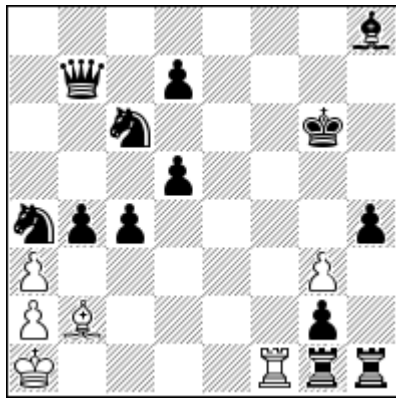
Self-blocking.

Direct self-pin.

Direct unpin.

Promotion.

E07

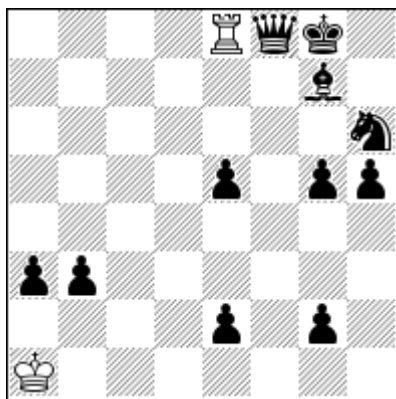


h#3.5 b) bKg6→b5 6+13

- a) 1...Rd1 2.Se5 (Sd4?) Bc1 3.Kh5 Rd4 4.Sg6 g4#
 b) 1...Bc3 2.Sd4 (Se5?) Be1 3.Ka5 Rf6 4.Sb5 a×b4#

WCCT-12 theme is shown four times. Twice in a) and twice in b).
 Exchange of functions between wR & wB. In a) wR guards the mating pawn and wB guards other squares. In b) the functions are interchanged.
 Pelle moves.
 Matching moves by all pieces.
 ODT by wB, wR & mating wP moves.
 Model mates.

E08

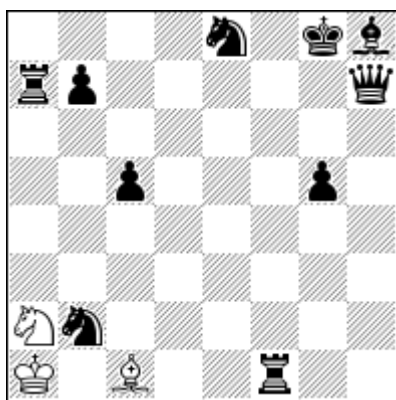


h#6 2+11

- 1.Sf7 R×e5 2.Bh6 R×g5+ 3.Qg7+ Re5 4.Qh7 R×e2 5.g1=R+ Re1
 6.Rg7 Re8#

Thematic presentation twice by wR and once by bQ.
 Return of wR.
 Switchback of wR (e5-g5-e5).
 Pinning of wR twice on e5 by different black pieces.
 Follow-the-leader of Black's 1st, 2nd and 3rd moves and Black's 4th and 6th moves.
 White minimal.
 Model mate.

E09

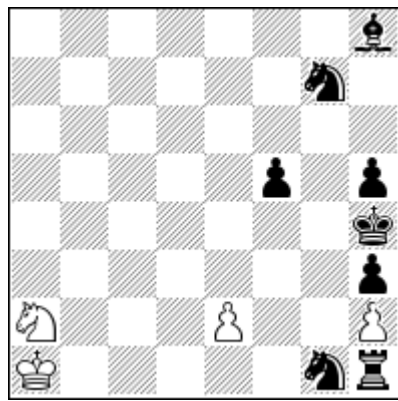


h#4 b) wSa2↔bSb2 3+10

- a) 1.Sa4+ Sc3 2.Rf8 Bb2 3.Sd6 Sd5 4.Sf7 Se7#
 b) 1.Sc3+ Sa4 2.Rf7 Ba3 3.Kf8 S×c5 4.Qg8 Se6#

A duplication of the theme: in each solution, the wS and the wB are unpinned, moved, and subsequently repinned. Additionally, the wB creates an ambush in both solutions.

E10



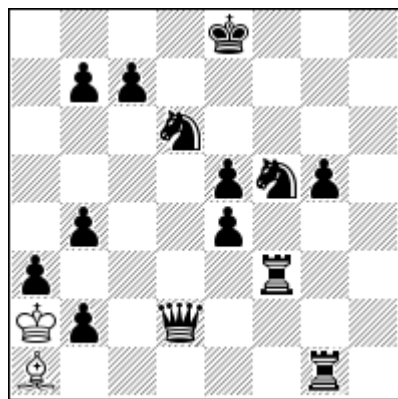
h#4

b) wPh2→f3

4+8

- a) 1.Sf3+ Sc1 2.Se1 Sd3 3.Rg1 S×e1 4.Rg4 Sf3#
 b) 1.Se6+ Sc3 2.Sd4 Sb5 3.Bf6 S×d4 4.Bg5 S×f5#

E11



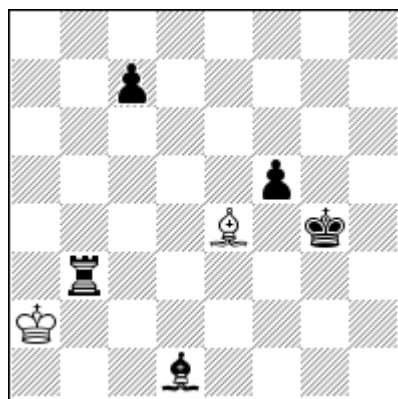
h#7.5

2+14

- 1...B×b2 2.Qe3 Bc3 3.Kf7 Kb3 4.Kg6 K×b4 5.Kh5 Bd4 6.Kg4 Kc5
 7.Kf4 Kd5 8.Rg4 B×e5#

WCCT-12 theme with unpinning of wB (direct by bQ on B2 and indirect by bK on W4 & W7), self-pinning and repinning of wB by moves of the bK after moves by wB) in a white minimal. String theme (gradual movement by wB on the same line × 4). A hidden tempo-try.

E12



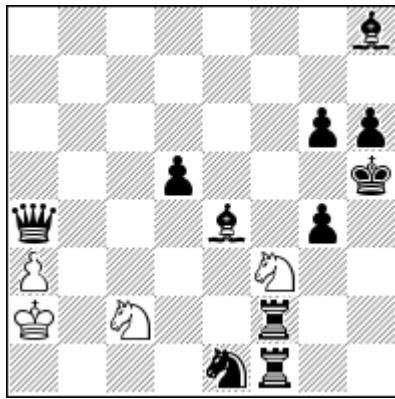
h#8

2+5

- 1.Rb8! Bb7 2.Bf3 Kb3 3.Kg5 Kc4 4.Kf6 Be4 5.Ke7 Kd5 6.Kd8 Ke6
 7.Kc8 B×f5 8.Bb7 Ke7#

WCCT-12 theme (self-unpin by the K's move and anticipatory self-pin by moves of the wB & wK). A battery mate in a white minimal.

E13

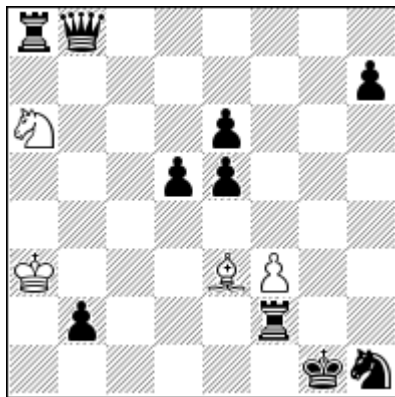


h#3.5 b) bSe1→d4 4+11

- a) 1...Kb1 2.Sd3+ Sce1 3.Sc1+ Sd3 4.Rc2 Sf4#
 b) 1...Kb2 2.Se2+ Scd4 3.Sc3+ Se2 4.Bc2 Sg3#

In both solutions, WCCT-12 theme $\times 2$ and unpin $\times 3$ (every black move is an unpin).

E14

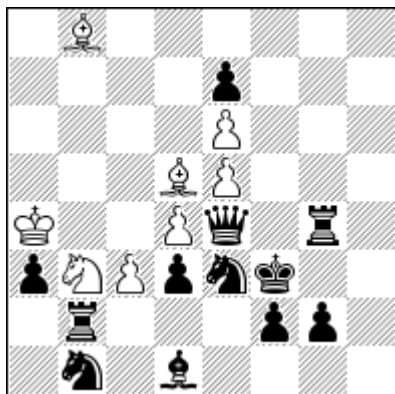


h#4.5 4+10

- 1...Ba7 2.Qf8+ Sc5 3.Qxf3+ Sb3 4.Qg2 Sd4 5.Rf1 Sf3#

Double realisation of the theme, both times with the wS.

E15

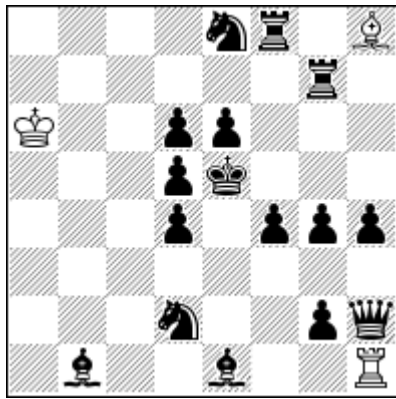


h#3.5 8+12

- 1...Bc4 2.Qxd4 Ka5 3. Qxe5+ Bd5+ 4.Qe4 Sd4#

Thematic sequences of wB and bQ are conjugated in a single solution which ends by return of both thematic pieces to their initial squares.

E16

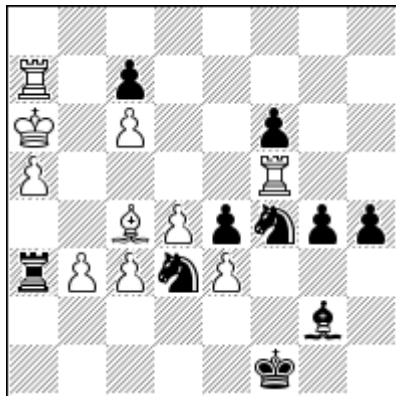


h#3.5 2.1.1... 3+16

1...Rxe1+ 2.Se4 Rxb1 3.Rf5 Bxg7+ 4.S4f6 Re1#
1...Bxg7+ 2.Sf6 Bxf8 3.Bf5 Rxe1+ 4.Sfe4 Bg7#

A rare OD self-pin – unpin – self-pin combination featuring white switchbacks and pin-mates.
Reciprocal arrivals of b5 on e4 & f6.
Exchange of roles of bR and bB in blocking the same square f5 and being eliminated.
Reciprocal W1 & W3, and also W3 & W4.
Kozhakin theme × 2.

E17

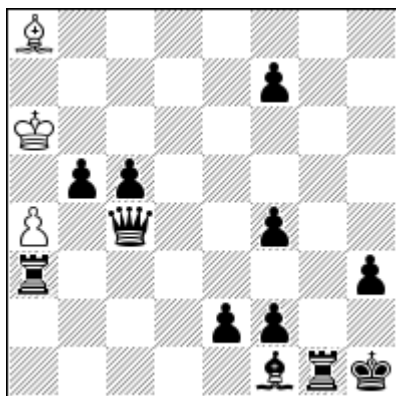


h#3.5 2.1.1... 10+10

1...Kb7 2.Rxa5 Rfxa5 3.Se2 Rf5+ 4.Sf2 Ra1#
1...Rb7 2.Rxb3 Bxb3 3.Sf2 Bc4+ 4.Se2 Rb1#

In both solutions, both Ss are pinned again.
W1 moves are made to the same square.

E18



h#5 3+12

1.Rf3 axb5 2.Qe6+ b6 3.Qc8+ b7 4.Rfg3 bxc8=Q+ 5.R3g2 Qxh3#

WCCT-12 summary (thematic elements: 4, phases: 1).
Active sacrifice (black, delayed).

Herlin.

Mixed Phoenix.

Promotion (Q).

WCCT-12 theme (direct unpin/self-pin, wP × 3).

WCCT-12 theme (interference unpin/self-pin, bR).

Pin-mate.

First thematic piece: wPa4: Pinned in the diagram, unpinned by 1.Rf3, moves with 1...axb5 and is immediately pinned diagonally.

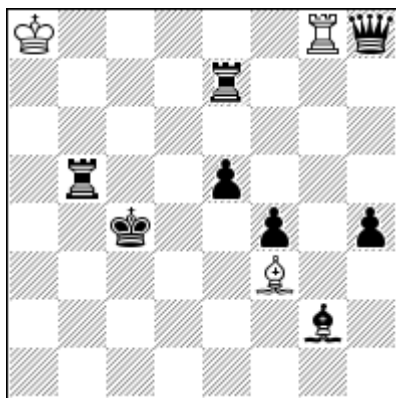
Second thematic piece: wPb5: Pinned after 1...axb5 (self-pin), unpinned by 2.Qe6+, moves with 2...b6 and is immediately pinned horizontally.

Third thematic piece: wPb6: Pinned after 2...b6 (self-pin), unpinned by 3.Qc8+, moves with 3...b7 and is immediately pinned diagonally.

Fourth thematic piece: bRf3: Pinned after 1.Rf3 (self-pin), unpinned by 3...b7 (line closing), moves with 4.Rfg3 (and later with 5.R3g2), and is pinned again on g2 after line opening 4...bxc8=Q.

Except for the mating move at the end, all moves are thematic.

E19

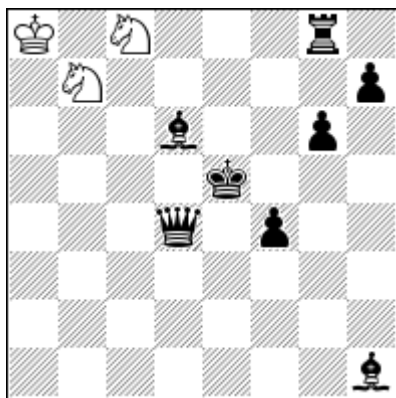


h#3.5 b) bRb5→f6 3+8

- a) 1...Bc6 2.Rd5 Rc8 3.Kc5 Be8+ 4.Kd6 Rc6#
 b) 1...Bd5+ 2.Kd4 Rd8 3.e4 Bg8+ 4.Ke5 Rd5#

WCCT-12 summary (thematic elements: 2, phases: 2).
 Anticipatory interference (white – white) × 2.
 Check prevention (white – black) × 2.
 Kozhakin theme × 2.
 Pelle move (white) × 4.
 Place exchange (wR/wB).
 WCCT-12 theme (interference unpin/self-pin, wB) × 2.
 Model mate × 2.

E20

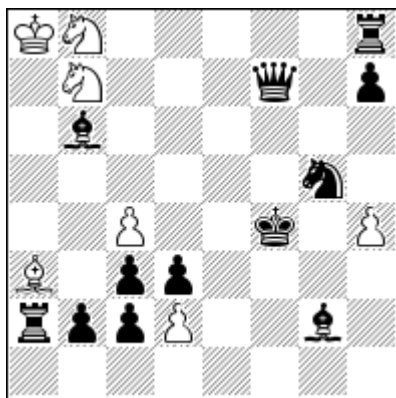


h#4 4.1.1... 3+8

- 1.Rg7 Sb6 2.Rf7 Ka7 3.Rf5 Sc5 4.Bd5 Sbd7#
 1.Kd5 Sc5 2.Kc6 Ka7 3.Kc7 Sb6 4.Bc6 Se6#
 1.Be7 Kb8 2.Kf6 Sd8 3.Kg7 Sd6 4.Kf8 Se6#
 1.f3 Sd8 2.Kf6 Sxd6 3.Kg7 Se8+ 4.Kh8 Sf7#

Thematic elements: 7, phases: 4.
 Model mates.

E21



h#3.5 b) bPd3→f5 7+12
 c) bKf4→e2

- a) 1...h5 2.Se4 Sa5 3.Ke5 Bf8 4.Kd4 Sbc6#
 b) 1...h×g5 2.Ba5 Bf8 3.Ke5 Sc6+ 4.Ke6 Sc5#
 c) 1...d×c3 2.Bd8 Sc6 3.Kd2 Sba5 4.K×c3 Bb4#

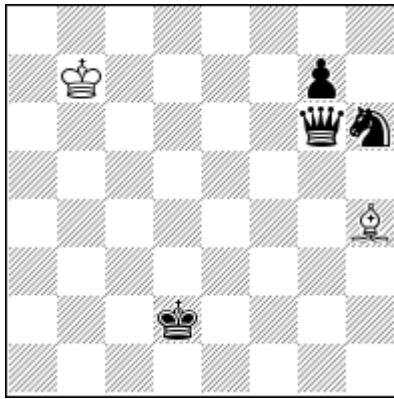
Cyclic presentation of the theme.
 Three white pieces pinned in the diagram position.
 Analogous play.

Model mate $\times$ 2.

Promotion.

WCCT-12 theme x 3, echo, white minimal, model mates.

E25



h#7.5

2+4

1...Bf6 2.Ke3 Kc6 3.Kf4 Kd5 4.Qh5+ Be5+ 5.Kg5 Ke4 6.Sg4 Kf3
7.Kh4 Kg2 8.g5 Bg3#

All pieces move (no static pieces).

There is a cross-check.

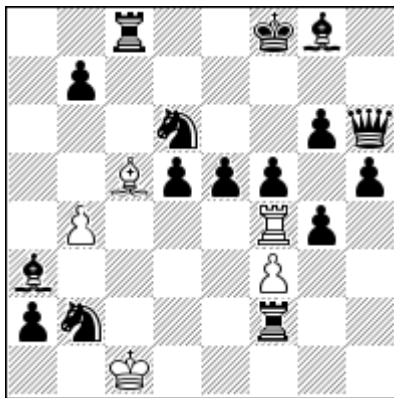
The relatively open position allows many potential moves.

Miniature.

White minimal.

Ideal mate.

E26



h#3.5

b) bSd6↔bPf5

5+16

a) 1...b5 2.Re8 Be3 3.Sf7 Rxf5 4.Be7 Bxh6#

b) 1...fxg4 2.Qg7 Rc4 3.Se7 Bxd6 4.Rf7 Rxc8#

WCCT-12 theme implemented by White and Black in each phase.

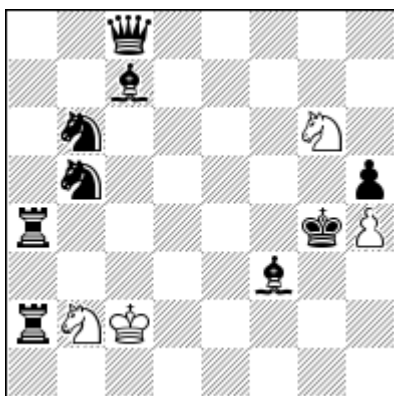
Exchange of functions between wBc5/wRf4: gate opening for Black,

unpin (Black and White), ambush, mate/pin, gate opening for White.

Exchange of functions between bRc8/bQh6: self-block, unpin/captured.

ODT.

E27



h#3.5

2.1.1...

4+9

1...Kb1 2.Qf5+ Sd3 3.Rg2 Kc1 4.Rg3 Sf2#

2.Bg3? Sc4 3.Rh2 Kc1 4.Rh3 Se3?? (Sc4 is pinned)

2...Sd1 3.Rh2 ?? 4.Rh3 Se3# (White is in zugzwang)

1...Kc1 2.Bg3+ Sc4 3.Rh2 Kb1 4.Rh3 Se3#

2.Qf5? Sd3 3.Rg2 Kb1 4.Rg3 Sf2?? (Sd3 is pinned)

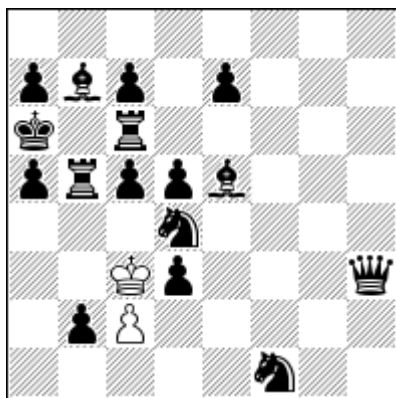
2...Sd1 3.Rg2 ?? 4.Rg3 Sf2# (White is in zugzwang)

Choice of tempo moves in W1 leads to dual avoidance in B2.

Paradox: the wrong move in B2 initially gives White more options, but all of them fail.

Model mates.

E28



h#5.5

2+16

1...cxd3 2.Sf3+ d4 3.Bd6 dxc5 4.Rcb6 cxd6 5.Qc8 dxc7 6.Qb8 cxb8=S#

WCCT-12 summary (thematic elements: 3, phases: 1).

Active sacrifice (black).

Active sacrifice (black, delayed).

Excelsior (white, slow).

Promotion (S).

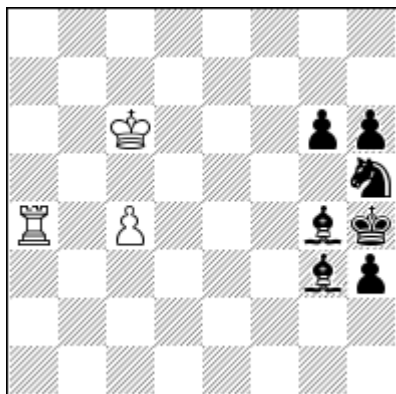
WCCT-12 theme (direct unpin/self-pin, wP) × 2.

WCCT-12 theme (interference unpin/self-pin, wP).

Smothered mate.

Model mate.

E29



h#4

b) bSg4

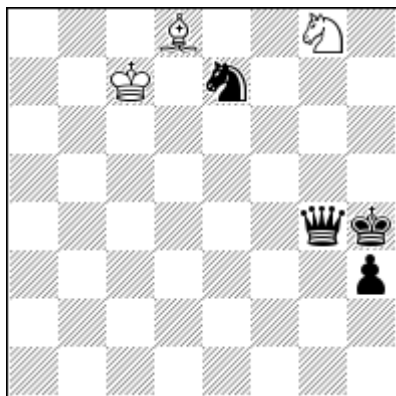
3+7

a) 1.Be2 (Be6?) Kd5 2.Bxc4+ Ke4 3.Be6 (Be2?) Kf3+ 4.Bg4+ Rxc4#

b) 1.Se5+ (Se3?) Kd5 2.Sxc4 Ke4 3.Se3 (Se5?) Kf3+ 4.Sg4 Rxc4#

Roundtrips of bB and bS (one thematic capture to open a line) with dual avoidance.

E30



h#4*

b) bQg4→h5

3+4

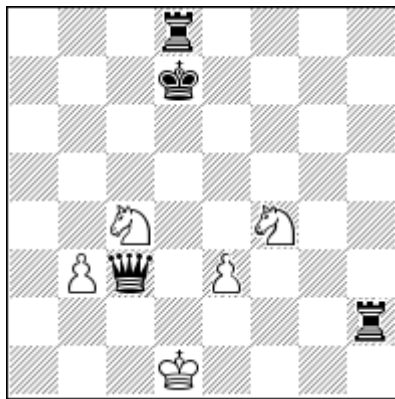
a) *1...Sf6 2.Sg8 Sd5+ 3.Sf6 Se7 4.Sh5 Sf5#

1.Qh5 Sf6 2.Sg8 Sd5+ 3.Sf6 Se7 4.Sg4 Sf5#

b) *1...Sf6 2.Sg8 Sd5+ 3.Sf6 Se7 4.Sg4 Sf5#

1.Qg4 Sf6 2.Sg8 Sd5+ 3.Sf6 Se7 4.Sh5 Sf5#

E31

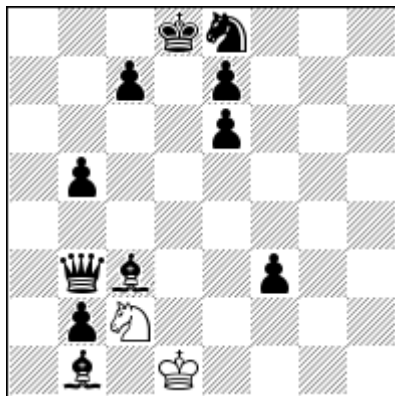


h#4 b) wBc4, wBf4 5+4

- a) 1.Kc6+ Sd3 2.Kd5 Sde5 3.Ke4+ Sd7 4.Kd3 Sc5#
 b) 1.Kc6+ Bd3 2.Kd5 Bb5 3.Ke4+ Bd7 4.Kd3 Bf5#

Original twinning.
 Opposition S and B mate.

E32

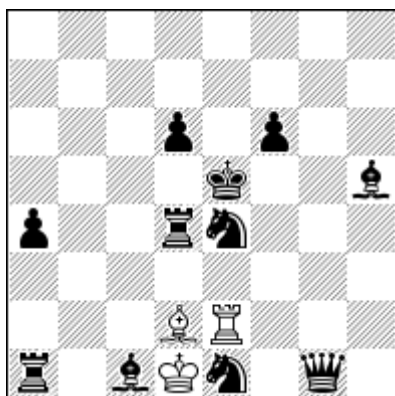


h#5 2+11

- 1.Qd5+ Sd4 2.Bd3 Sxb5 3.Qd7 Sd6 4.Ba6 Kc2 5.Bc8 Sf7#

After 1.Qd5+ Sd4 the wS is pinned. 2.Bd3! unpins the wS, indirectly.
 2...Sxb5! is the required extra move.
 4.Ba6! pins the wS again – indirectly.

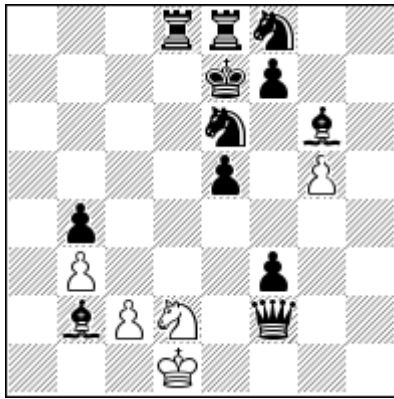
E33



h#4 2.1.1... 3+11

- 1.Rb4 Bxe1 2.Kd4 Kc2 3.Sd2 Re5 4.Sc4 Bc3#
 1.Sf3+ Re1 2.Qg4 Re3 3.Kf4 Ke2 4.Se5+ Rf3#

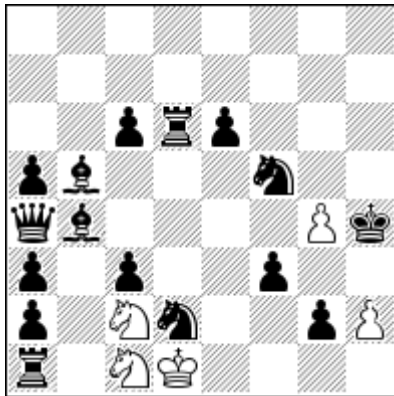
E34



h#3.5 b) bRd8→d7 5+12

- a) 1...c3 2.Bd3 Se4 3.Bb5+ Sd6 4.Bd7 Sf5#
 b) 1...c4 2.Bd4 Sxf3 3.Bc5+ Sd4 4.Bd6 Sc6#

E35

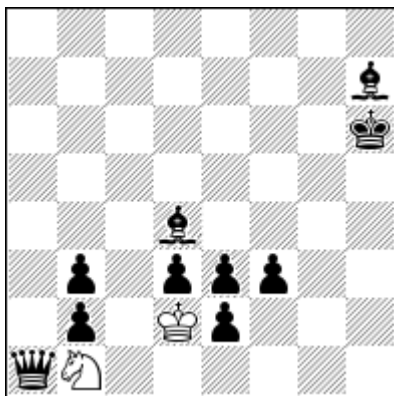


h#4 b) bKh4→h3 5+16

- a) 1.Sb1+ Sd3 2.Sd4 Sf2 3.Sb3+ Sd4 4.Bd3 Sxf3#
 b) 1.Sb3+ Sd4 2.Bd3 Sxf3 3.Bb1+ Sd3 4.Sfd4 Sf2#

WCCT-12 theme presented twice in each phase.
 White cycle of moves, Black cycle of squares.
 Model mates.

E36

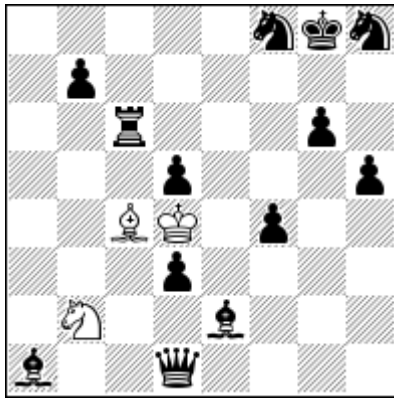


h#6.5 2+10

- 1...Ke1 2.Qa5+ Sd2! 3.Qh5 Sxb3 4.b1R+! Sc1 5.Rb6 Sxd3
 6.Bg7 Se5 7.Rg6 Sf7#

Three times White self-pins, and three times Black unpins the wS,
 which delivers mate in the finale.

E37



h#4.5

3+13

1...Ba2 (Bb3?) 2.Rc3 Sxd3 (Sc4?) 3.Qa4+ Sb4 4.Qd7 Sxd5 5.Qg7+ Sf6#

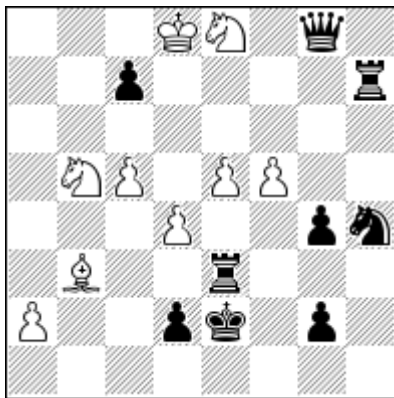
Four thematic elements along a single line of play. Guidelli theme, annihilation, Chernous theme, AntiZielElement.

Dual avoidance effects on W1 (interference avoidance) and W2 (pin avoidance).

The try 2...Sc4? 3.Qa4 S~?? (wS is pinned) is directly related to the theme: here, the wS pin is a harmful effect. There is a certain paradox here: wS self-pins on W2 (AZE) to avoid being pinned on B3.

Model mate.

E38



h#3.5

b) wPd4→d5

9+9

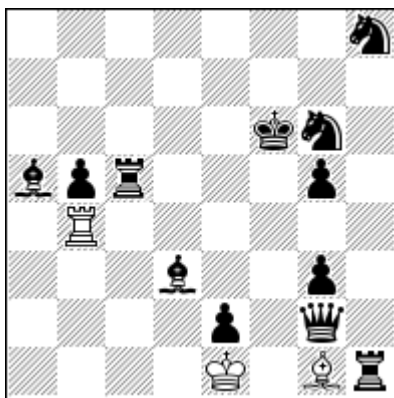
a) 1...Sa3 2.Qd5+ Sd6 3.Qe4 Sdb5 4.Kd3 Bc4#

b) 1...Bc2 2.Qg5+ Sf6 3.Qf4 Se4 4.Kf3 Sd4#

Active movement of three white pieces.

14 single moves without capture, 100% analogy in both play and mates, model mates.

E39



h#4

2.1.1...

3+12

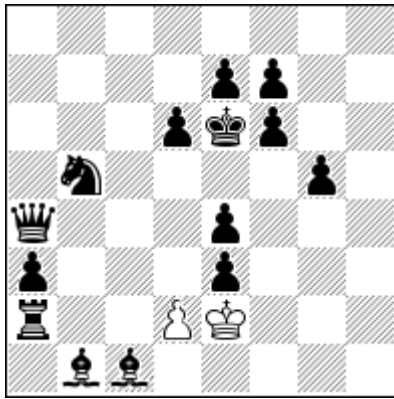
1.Rh7 Bd4+ 2.Re5 Bc3 3.Re7 Rd4 4.R5e6 Rf4#

1.Bd8 Rf4+ 2.Bf5 Rf1 3.Be7 Bf2 4.Be6 Bd4#

All 16 single moves by Bs and Rs in ODT form, two pairs of self-blocks on the same squares (e7 and e6), reciprocal W1 and W4.

Model mates.

E40

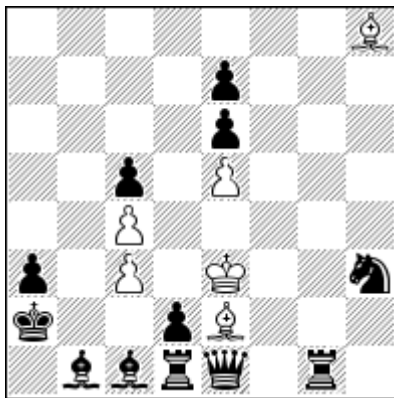


h#4.5

2+14

1...Kxe3 2.Bb2 d3 3.Sd4 Kxe4 4.Sc2+ d4 5.Qd7 d5#

E41



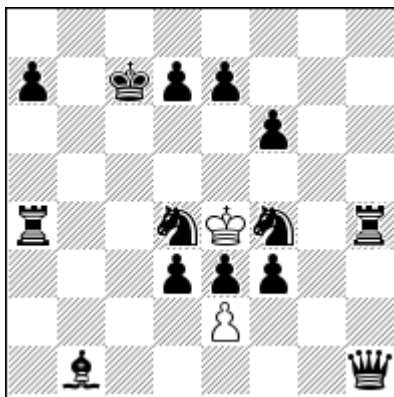
h#4

6+12

1.Q~? Bf3 2.Kb3 Bc6 3.Kxc4 Bb5+ 4.Kd5 c4 5.Qxc4!
1.Qg3+ Bf3 2.Qxe5+ Be4 3.Qxc3+ Bd3 4.Qxc4 Bxc4#

WCCT-12 theme is presented three times. A try where unpinning of the B by a random departure of the Q is not sufficient, because there is no specific usable move: 1...Qf2# checkmates, 1...Qf1? and 1...Qh4? both guard the mating square c4. Thus, the move Qxc4 refutes the mate, which it paradoxically enables in the solution. Therefore, the Q goes her own way, during which she captures all the redundant white Ps. Model mates in the try and in the solution.

E42



h#5.5

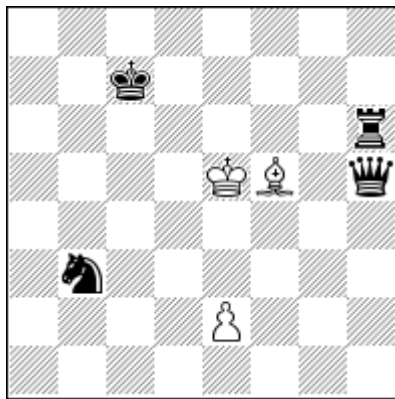
2.1.1...

2+14

1...exd3 2.Sc2+ d4 3.Ra6 d5 4.Rc6 dxc6 5.Kb8 c7+ 6.Ka8 c8=Q#
1...exf3 2.Sg2+ f4 3.Rh6 f5 4.Rg6 fxg6 5.Kd8 g7 6.Ke8 g8=Q#

Doubling of the theme between the two solutions.
Two white excelsiors.
White minimal.

E43



h#5

3+4

1.Rc6 e3 2.Qh7 Be6 3.Sc5 Kf6 4.Kd6 e4 5.Qc7 e5#

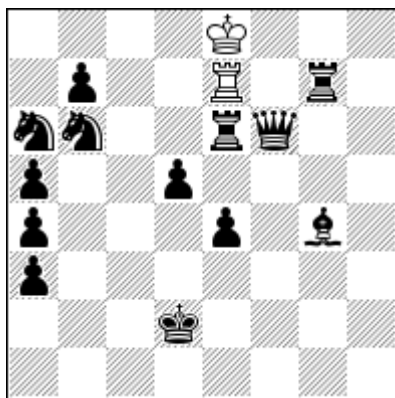
There is a Festina Lente (“make haste slowly”) effect.

All pieces move (no static pieces).

Miniature.

Ideal mate.

E44



h#5.5

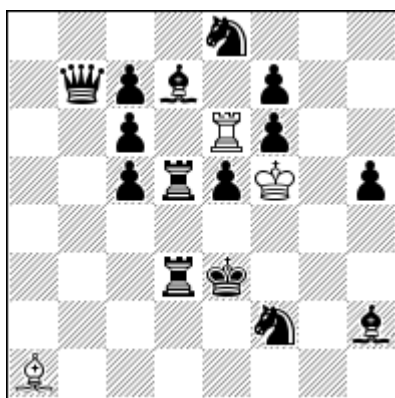
2+13

1...Kd8 unpin + self-pin 2.Sd7 Kxd7 unpin + self-pin
3.Rg8 unpin Rxe6 self-pin 4.Kc3 Kd6 unpin + self-pin
5.Kb4 Kxd5 unpin 6.Qc3 Rb6#

The wR is pinned on five different lines by four black pieces (2×Qf6, Re6, Rg7, Bg4).

Model mate.

E45

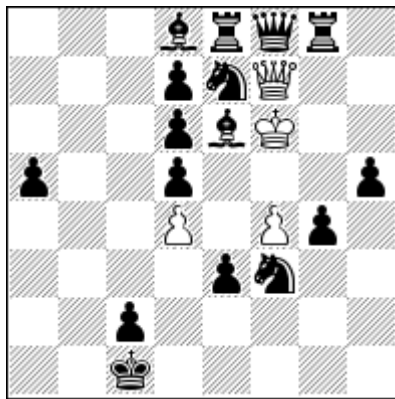


h#4

3+15

1.Bc8 Bxe5 2.Rd7 Rxc6 3.R7d4+ Re6 4.Qf3+ Bf4#

E46



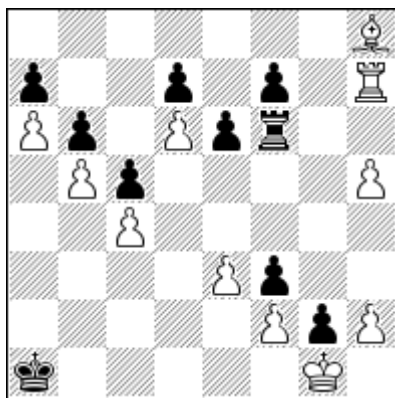
h#4

4+16

1.Qh6+ Qg6 2.Qxf4+ Qf5 3.Qxd4+ Qe5 4.Qd2 Qa1#

The wQ is pinned on four different lines by the bQ, and in all four cases is unpinned by the bQ queen. All moves are made by Qs. Model mate.

E47



h#4.5

11+10

1...Rg7 2.Rf4 R×g2+ 3.Rd4 Rg7 4.Rd2 Kh1 5.Ra2 Rg1#

WCCT-12 summary (thematic elements: 1, phases: 1).

Enabling hideaway (white – white).

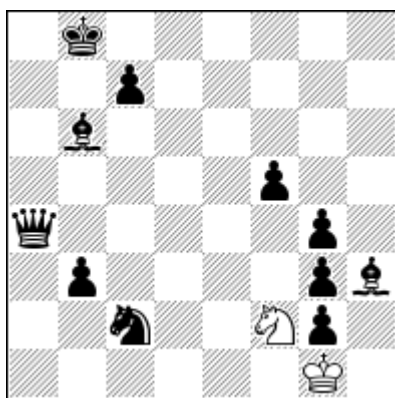
Hideaway (wK).

Switchback (wR, with captures, 1).

WCCT-12 theme (interference unpin/self-pin, bR).

Battery mate.

E48



h#6

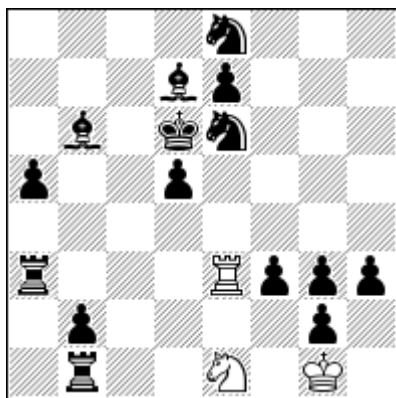
2+11

1.Sd4 S×g4 2.Se6+ Se3 3.Sc5 S×f5 4.Sb7+ Sd4 5.Bc8 K×g2 6.Qa8 Sc6#

Doubling of the theme.

Annihilations to open the line for bBh3.

E49



h#4 b) bPd5→c7 3+15

a) 1.Sc5 x Rc3 2.Kc6 Rc1 3.Sd6 Sc2 4.Scb7+ Sd4# y

b) 1.Sd4 y Rd3 2.Bc8 Rd1 3.Kd7 Sd3 4.Sc6+ Sc5# x

WCCT-12 summary (thematic elements: 4, phases: 2).

Anderssen (black) × 2.

In the final positions, White's both mating pieces are repinned.

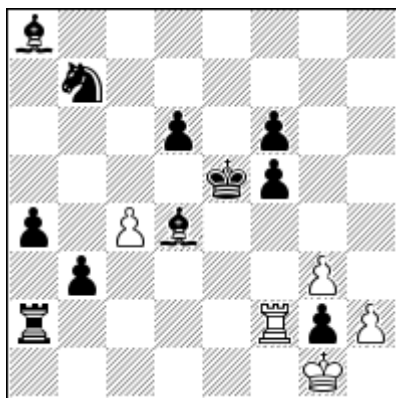
The orthogonal pin of the wS is transformed into a diagonal one.

The diagonal pin of the wR is transformed into an orthogonal one.

Interchange of squares of first and mating moves.

Model mates.

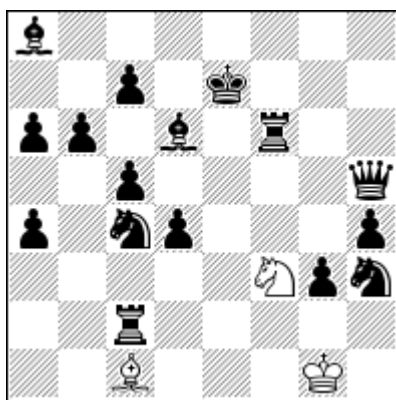
E50



h#3.5 5+11

1...Kxg2 2.b2 Rxb2 3.Ra3 Rxb7 4.Rf3 Re7#

E51



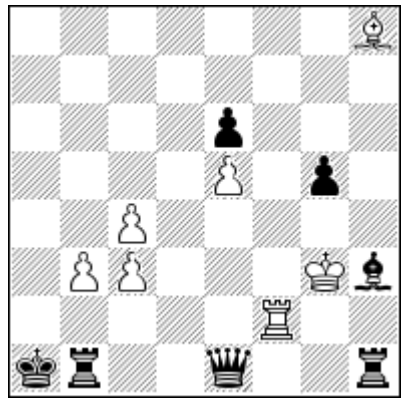
h#4.5 b) -bSc4 3+16

a) 1...Kh1 2.Kd7 Bd2 3.Kc6 Se5+ 4.Kb5+ Sc6 5.Rf3 Sa7#

b) 1...Kf1 2.Ke6 Bh6 3.Kf5 Sxd4+ 4.Kg4+ Sf5 5.Bf3 Se3#

The wK is in check. But he must choose the right pin to move into.

E52



h#3.5 2.1.1... 7+7

1...b4 2.Qxe5+ (Qxc3+?) Rf4 3.Qxc3+ Rf3 4.Qb2 Ra3#

1...c5 2.Qxc3+ (Qxe5+?) Rf3 3.Qxe5+ Rf4 4.Qb2 Ra4#

WCCT-12 summary (thematic elements: 4, phases: 2).

Annihilation × 4.

Chernous theme × 4.

Exchange of functions (wPb3/wPc4, line opening/passive).

Exchange of moves (B2/B3).

Exchange of moves (W2/W3).

Hesitation (bQ) × 3.

Many-ways (bQ, 2) × 3.

Many-ways (wR, 2) × 2.

Pelle move (black) × 2.

WCCT-12 theme (direct unpin/self-pin, wR) × 4.

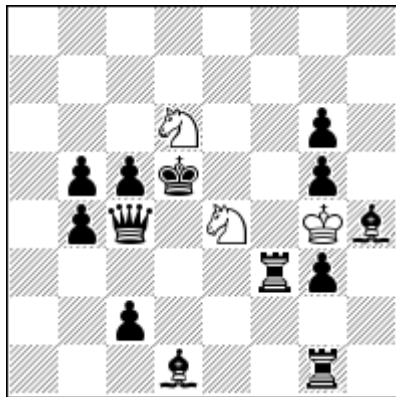
Zalokotsky theme (bQ/bQ, black, 2).

Zalokotsky theme (wR/wR, white, 2).

Model mate × 2.

Pin-mate × 2.

E53

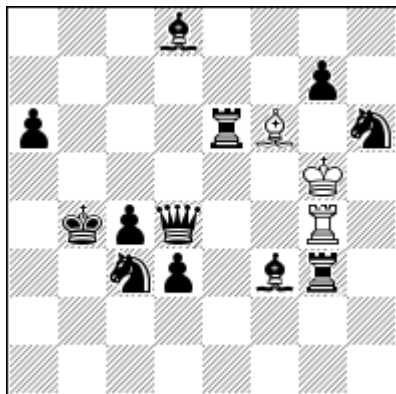


h#3.5 2.1.1... 3+13

1...Sc8 2.Qb3 Sc3+ (Sxg3?) 3.Kc4 Se2 4.Rd3 Sb6#

1...Se8 2.Qd3 Sd2 (Sxg5?) 3.Re3+ Sf3 4.Ke4 Sf6#

E54



h#3.5 b) bKb4→c2 3+12

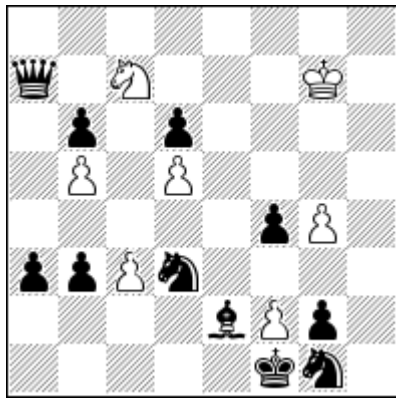
a) 1...Kh4 2.Qb6 Rg5 3.Sa4 Be5 4.Ka5 Bc3#

b) 1...Kg6 2.Re1 Bg5 3.Bd1 Rf4 4.Kd2 Rf2#

WCCT-12 theme × 2.

Distant self-blocks, exchange of functions, mutual interference, battery model mates.

E55

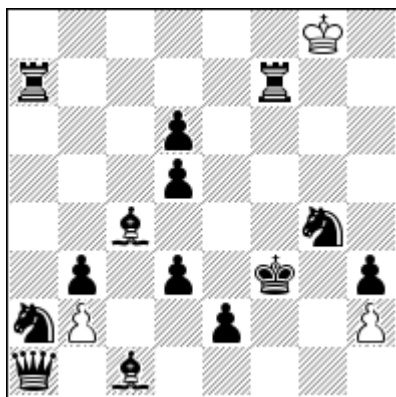


h#4 2.1.1... 7+11

1.Qa4 Se8 2.Qd4+ Sf6 3.Qxf2 Se4 4.Se1 Sd2#
1.Qa5 Se6 2.Qxc3+ Sd4 3.Qe1 Sf3 4.Sxf2 Sh2#

Two unpins with repin in each solution.
Model mates.

E56

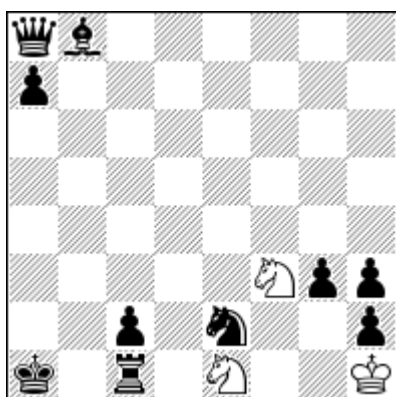


h#7.5 3+14

1...Kh8 2.Sc3! (2.Ra3? bxa3??) bxc3 3.d4 cxd4 4.Se5 dxe5 5.Rf6 exf6
6.Rg7+ fxg7 7.Qa8+ g8=Q 8.Qe4 Qg3#

WCCT-12 summary (thematic elements: 6, phases: 1).
Line-opening × 5.
Excelsior.
Model mate.

E57

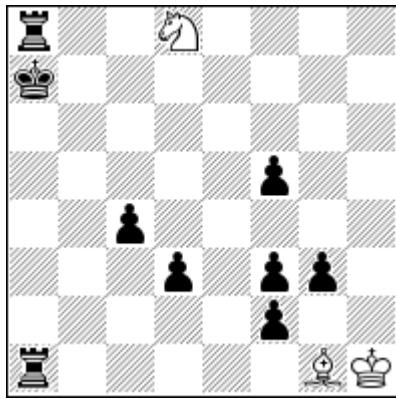


h#5 3+10

1.Sg1 Sg2 2.Rb1 Sfe1 3.Sf3 Se3 4.c1=S Sd1 5.Sa2 Sc2#

Threefold realisation of the theme: Se1 (2×) and Sf3.

E58



h#5

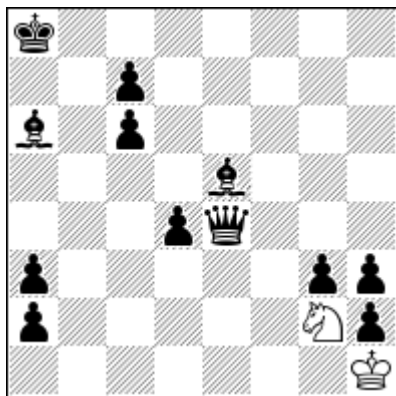
3+9

1.Ra6 Bh2 2.f1=Q+ Bg1+ 3.Qf2 Se6 4.Qb6 Sd4 5.Qb7 Sc6#

WCCT-12 theme × 2.

Switchback × 2 of thematic pieces, Pelle move, hesitation of wS with 3/4 roundtrip, battery model mate.

E59



h#7

2+12

1.Qb1+ Se1 2.Qb8 Sc2 3.Bb7 Sxa3 4.a1=R+ Sb1 5.Ra7 Sc3
6.c5+ Sd5 7.c6 Sb6#

Threefold self-pin/unpin of a wS performed on different lines: two orthogonals and one diagonal.

AntiZielElement (B1, B4 and B6, check).

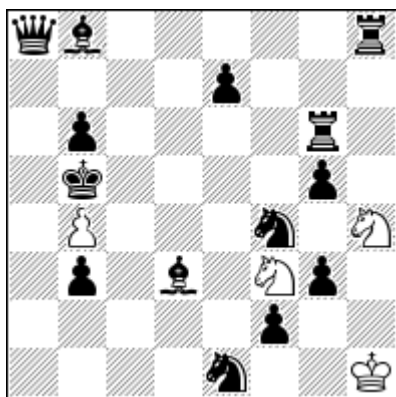
AntiZielElement (W1, W4 and W6, self-pin).

AntiZielElement (B2, B5 and B7, unpin).

White minimal.

Model mate.

E60



h#4

b) bKb5→e6

4+14

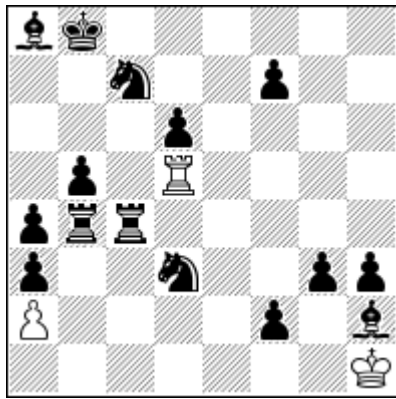
a) 1.Rc8 Sg2 2.Rc3 Sd4+ 3.Kc4 Sc6! (Sc2?) 4.b5 Se3#
b) 1.Qa1 Sh2 2.Qg7 Sf5 3.Kf6 Sh6! (Sd6?) 4.Se6 Sg4#

WCCT-12 theme is duplicated, in each solution, for both wS.

The dual avoidance (3...Sc2?/3...Sd6?) highlights the precise unpinning and repinning mechanism required for the final mate.

Exchange of functions bQa8/bRh8 and wSf3/wSh4.

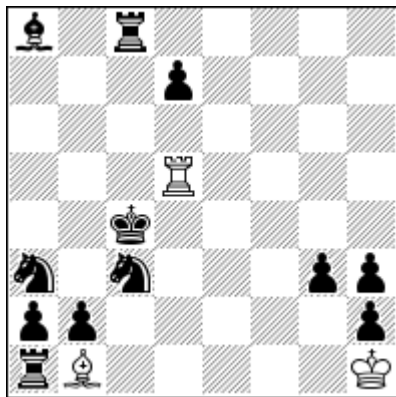
E61



h#5 b) bKb8→e6 3+15

- a) 1.Rc6 Rxb5+ 2.Rb6+ Rd5 3.Rb7 Rxd6 4.Ra7+ Rd5 5.Rbb7 Rd8#
 b) 1.Re4 Rf5 2.Red4+ Rf3 3.Kd5 Rxf2 4.Kc4+ Rg2 5.d5 Rc2#

E62

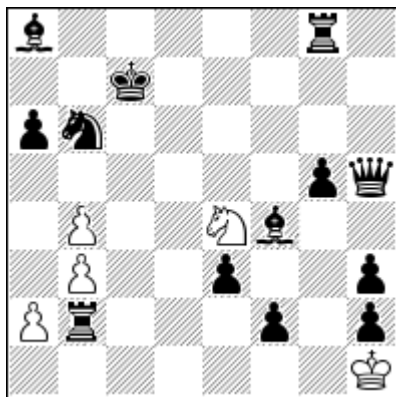


h#4 2.1.1... 3+12

- 1.Se4 Rd1 2.Kb4 Bc2 3.Sb1 Rd4+ 4.Ka3 Ra4#
 1.Sd1 Be4 2.Kb3 Rd4 (2...Rd3+? 3.Kc2 ?? 4.Kb1 Rd1#)
 3.Rc3 Bc6 4.d5 Ba4#

Ambush (wB).
 Half-pin (white).
 Hesitation (wR).
 Pelle move (white).
 Model mate.

E63

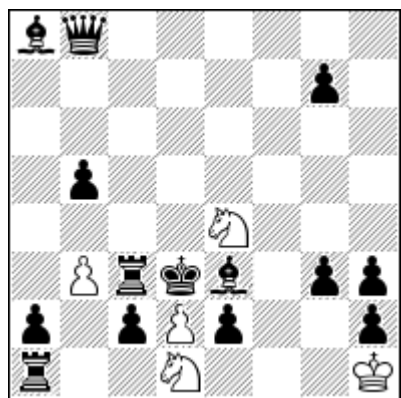


h#3.5 b) bPa6→a7 5+13

- a) 1...a3 2.Kc6 Sxg5 3.Kb5+ Sf3 4.Rgg2 Sd4#
 b) 1...a4 2.Kb7 Sxf2 3.Ka6+ Se4 4.Rbg2 Sc5#

Indirect unpin and repin of wSe4 by the bK and indirect unpin of wSe4 by the bRs. Black line opening by means of annihilation of bPs by wSe4. Double step by wP on W1. Model mates.

E64



h#3.5 2.1.1... 5+14

1...dxe3 (dxc3?) 2.Rc6 Sxg3 3.Qe5 Sf1 4.Qc3 Sf2#
1...dxc3 (dxe3?) 2.Bc1 Se3 3.Qf4 Sd5 4.Qd2 Sc5#

WCCT-12 theme × 2.

Interference unpin/self-pin of wS-wS performed on different lines:
orthogonal/diagonal × 2.

Interference that occurs in two moves.

Exchange of functions (wSd1/wSe4, unpin + self-pin/mate).

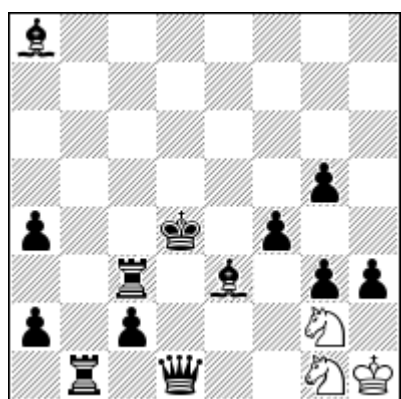
Exchange of functions (bRc3/bBe3, captured/interfering).

Dual avoidance (wPd2).

Self-block of sQ × 2.

Model mate × 2.

E65



h#4 b) bPg5→c5 3+13

c)=b) -bQd1
d)=c) bBe3→h2
e)=d) wSg1→f1
f)=e) +bQc4
g)=f) -bRc3

a) 1.Ke4 Sxe3 2.Qe2 Sd1 3.g4 Sxh3 4.Kf3 Sg5#

b) 1.Rb7 Sxf4 2.Re7+ Sfd5 3.Re4 Sb6 4.Qd3 Sf3#

c) 1.Bc1 Sf3+ 2.Kd3 Sge3 3.Ke2 Sed5 4.Kd1 Sxc3#

d) 1.Rb2 Sf3+ 2.Kc4 Sxf4 3.Ra3 Sfd5 4.Kb3 Sd2#

e) 1.Rf3 Se1 2.Kc3 Sfe3 3.Kb2 Sd1+ 4.Ka1 Sxc2#

f) 1.Bg1 Sxg3 2.Kd3 Sf1 3.Bd4 Kh2 4.Be4 Sxf4#

g) 1.Rb3 Sfe3 2.Kc3 Sed5+ 3.Kb2 Sge3 4.Ka3 Sxc4#

Anticipatory unpin.

Chumakov theme (pp, 2).

Distant self-block × 6.

Enabling hideaway (black – white).

Enabling hideaway (white – white).

Half-pin (white) × 2.

Hideaway (wK, pseudo).

Many-ways (wS, 2).

Play on same square (W1, 2).

Play on same square (W2, 2) × 2.

Switchback (wS, with captures, 1).

WCCT-12 theme (Interference self-unpin/self-pin, wS) × 2.

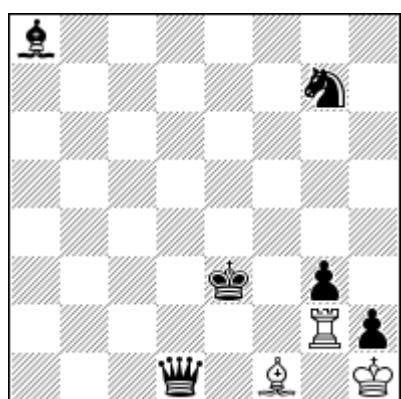
WCCT-12 theme (direct unpin/self-pin, wS) × 2.

WCCT-12 theme (interference unpin/pin, wS).

WCCT-12 theme (interference unpin/self-pin, wS) × 4.

Model mate × 7.

E66

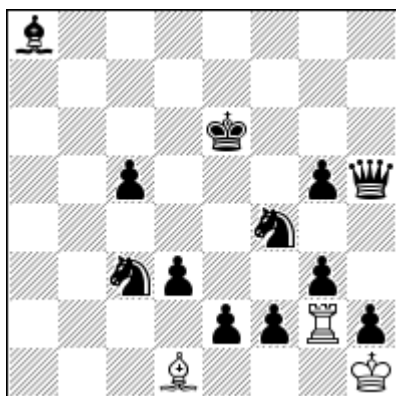


h#4 2.1.1... 3+6

1.Qd4 Be2 2.Kd2 Bf3+ 3.Ke1 Rd2 4.Qf2 Rd1#

1.Kf3 R×h2 2.Kg4+ Rg2 3.Kh3 Kg1 4.Qg4 Rh2#

E67



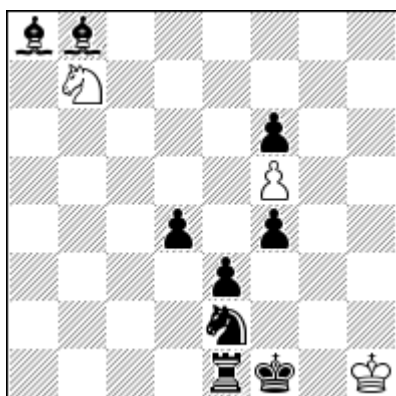
h#4

3+12

1.Kd5 R×h2 2.Qh8 Rh7 3.Qd4 Rb7 4.Kc4 Bb3#

Mixed Bristol.

E68

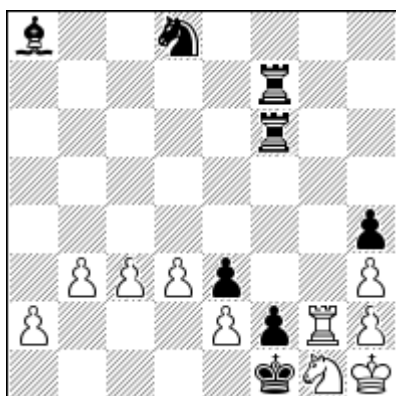


h#3.5

3+9

1...Kh2 2.f3+ Sd6 3.Sf4 Se4 4.f2 Sg3#

E69



h#3.5

3.1.1...

10+8

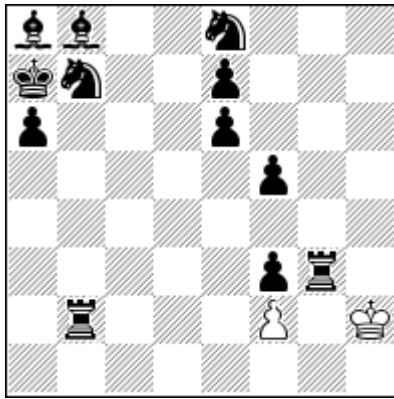
1...b4 2.Rb7 Rg7 3.R×b4+ Rb7 4.Re4 Rb1#

1...c4 2.Rc6 Rg6 3.R×c4+ Rc6 4.Re4 Rc1#

1...d4 2.Sc6 Rg5 3.S×d4+ Rd5 4.Sc6 Rd1#

Three identical solutions after moves by three wPs.

E70



h#6

2+12

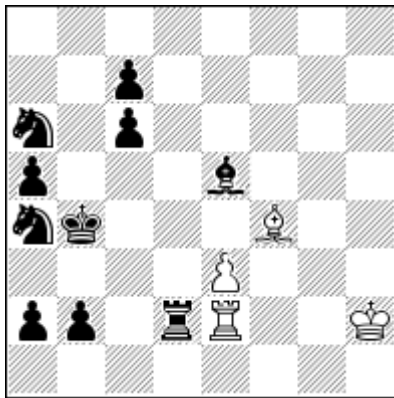
1.Rb6 fxg3 2.f4 gxf4 3.e5 fxe5 4.Rd6 exd6 5.Sc7 dxc7 6.e5 c8=S#

WCCT-12 theme × 5 with one pawn.

Every black move is an unpin.

Every white move (except the last one) is a self-pin.

E71



h#3.5

b) bKb4→b5

4+10

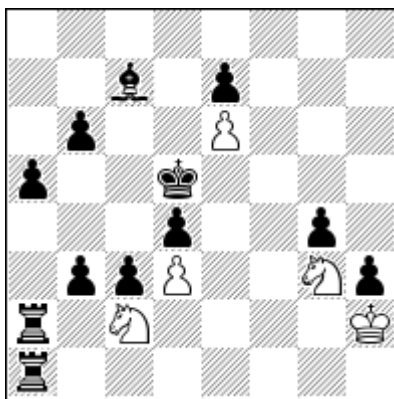
a) 1...Rg2 2.Rd3 (Re2?,Bd4?) Rg3 3.Rxe3 Bxe3 4.Ka3 Bc5#

b) 1...Bg3 2.Bd4 (Bf4?,Rd3?) Bf2 3.Bxe3 Rxe3 4.Kb6 Rb3#

Unpin followed by transferred (self-) pin. Pelle moves. Reciprocal R/B battery creation where the front piece moves to the square of the annihilated wP. Two pairs of R/B exchange their functions in a harmonious play with a complete ODT.

Model mates.

E72



h#4

2.1.1...

5+12

b) bBc7→e5 1 sol

c) BPa5→d3 1 sol

a) 1.Ke5 Sf1 2.Kf4 Kh1 3.Kf3 Kg1 4.Bf4 Sxd4#

1.Bd8 Se2 2.Kc5 Scxd4 3.Kb4 Sc2+ 4.Ka4 Sxc3#

b) 1.Ra4 Sxd4 2.Rc4 Sde2 3.Rc5 Sf4+ 4.Kd4 Sf5#

c) 1.Ra5 Se1 2.Ke5 Kg1 3.Kf4 Kf2 4.Rg5 Sxd3#

Ambush (bR).

Enabling tempo (white – white).

Hesitation (wK).

Hideaway (bB).

Kniest theme.

Many-ways (wK, 2).

Self-unpin/self-pin (white).

Square vacation by capture.

Switchback (wS, with captures, 1).

Tempo move (wK, waiting).

Unpin/self-pin (white) × 4.

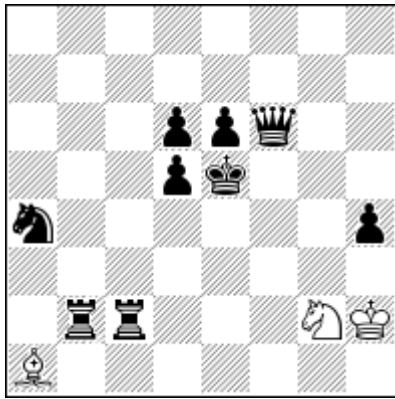
WCCT-12 theme (Interference self-unpin/self-pin, wS).

WCCT-12 theme (direct unpin/self-pin, wS) × 3.

WCCT-12 theme (interference unpin/self-pin, wS).

Model mate × 4.

E73

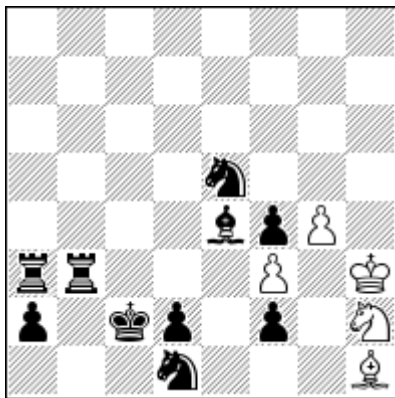


h#4

3+9

1.Sc3 Kh3 2.Rb4 Sf4 3.Rd4 Kg4 4.Se4 Sd3#

E74



h#4

2.1.1...

5+10

1.Bxf3 Sxf3 **A** (Bxf3?) 2.Se3 Sxe5 3.Kd1 Sd3 4.Sc2 Bf3# **B**
1.Sxf3 Bxf3 **B** (Sxf3?) 2.Kd3 Bxe4+ 3.Ke2+ Bd3+ 4.Ke1 Sf3# **A**

Active sacrifice (black) × 2.

Cross-check (2).

Exchange of functions (bBe4/bSe5, captured/sacrifice).

Exchange of functions (wBh1/wSh2, guard + interfering/mate).

Exchange of moves (W1/W4).

Kozhakin theme × 2.

Place exchange (bS/bK).

Place exchange in the final positions (white, BS).

Play on the same square (B1, 2).

Play on the same square (W1, 2).

Play on the same square (W3, 2).

Unpin/pin (white).

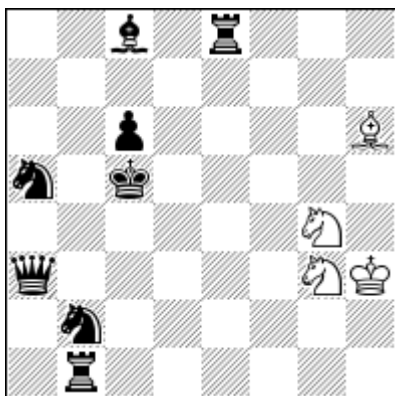
Unpin/self-pin (white).

WCCT-12 theme (interference unpin/pin, wS).

WCCT-12 theme (interference unpin/self-pin, wB).

Mates on the same square × 2.

E75



h#3.5

b) bPc6→b5

4+8

a) 1...Bg7 2.Sd3 Sf5 3.Rb5 Sge3 4.Sb4 Bd4#

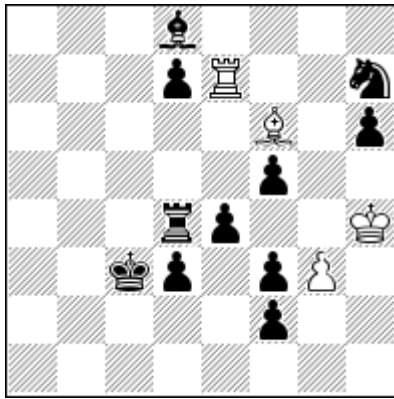
b) 1...Bf4 2.Re6 Se3 3.Rb6+ Sgf5 4.Sc6 Bd6#

Reciprocal white unpinning.

Interchange of W2 and W3.

Model mates.

E76



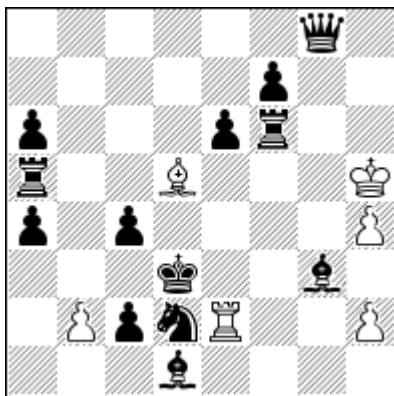
h#3.5

4+11

- 1...Rxe4 (double self-pin wR+wB)
- 2.f4 (unpin wR) Re7! (unpin wB + critical move)
- 3.Kd2 Be5! (self-pin wR + self-interference)
- 4.Ke3 Bxf4# (self-pin wB)

Double presentation of the WCCT-12 theme (wR+wB) + Indian.
All white moves are thematic.
Model mate by both pinned white pieces.

E77



h#3.5

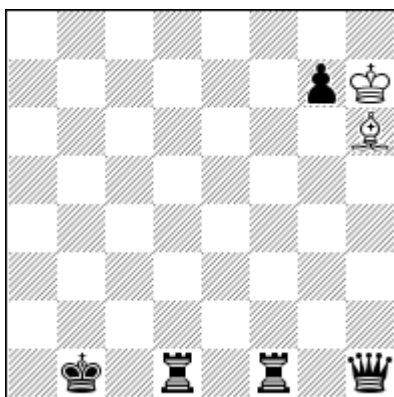
b) bPe6→h3

6+13

- a) 1...h3 (hxg3?) 2.Be5 Bf3 3.Bd4+ Re5 4.Be2 Bxe2#
- b) 1...hxg3 2.Rf3 Re5 3.Re3+ Bf3 4.Rd5 Rxd5#

WCCT-12 theme (unpin+self-pin) quadrupled. In both phases, both white pieces are unpinned and repinned.
Additional self-unpin on the mating move, highlighting the self-pin.
Consecutive Umnovs and active sacrifices. ODT.
Black checks and white tempo moves.
Exchange of function wBd5/wRe2 (mate/guard).
Also, between bBd1/bRa5 (pin/active sacrifice).

E78



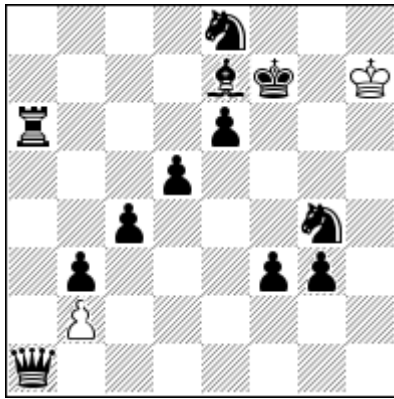
h#9

2+5

- 1.g5 Kg6 2.g4 Bf4 3.g3 Kf5 4.g2 Ke4 5.Ka1 Bd2 6.g1=S+ Kd3
- 7.Se2 Kc2 8.Sc3 Bc1 9.Sa2 Bb2#

AntiZielElement (B1, interference).
Excelsior.
Miniature.
Theme doubled – wB is unpinned twice and repinned twice.
Model mate.

E79



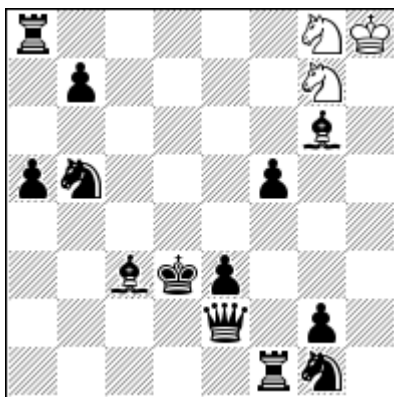
h#6.5

2+12

1...Kh8 2.c3 bxc3 3.d4 cxd4 4.e5 dxe5 5.Sg6 exf6 6.Sg7 fxg7
7.Rf6 g8=Q#

The problem combines a 5-fold presentation of the theme with an excelsior by a pinned pawn.

E80



h#4

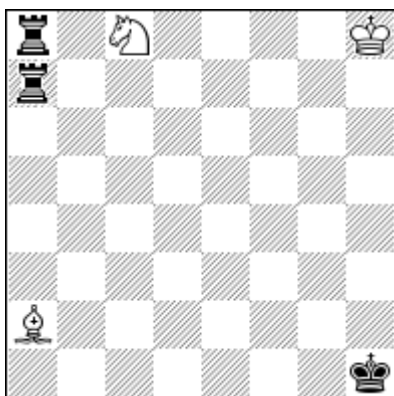
2.1.1...

3+13

1.Be8! (Ra~?) Sf6 2.Qe1 Sxf5 3.Ke2 Sd4+ 4.Kf2 Se4#
1.Sd4! (Bc~?) Se8 2.Kc4 Se7 3.Kb5 Sc8 4.Ka6 Sc7#

Exchange of functions (bSb5/bBg6, interfering/passive).
Exchange of functions (wSg7/wSg8, guard + interfering/mate).
Half-pin (white).
Self-unpin/self-pin (white) × 2.
Unpin/self-pin (white) × 2.
WCCT-12 theme (Interference self-unpin/self-pin, wS) × 2.
WCCT-12 theme (interference unpin/self-pin, wS) × 2.
Model mate × 2.

E81



h#5

3+3

1.Rb8 Kg8 2.Rb1 Sd6 3.Rh7 Se4 4.Rh2 Bd5 5.Rg1+ Sg3#

In the initial position, bRa8 pins wSc8; and in the final position, the same R pins the S again.
The pins in the initial and final positions are mirrored (the distance between R – S – K is the same in the initial and final position – a kind of rotation/mirroring).
Miniature.
Model mate.