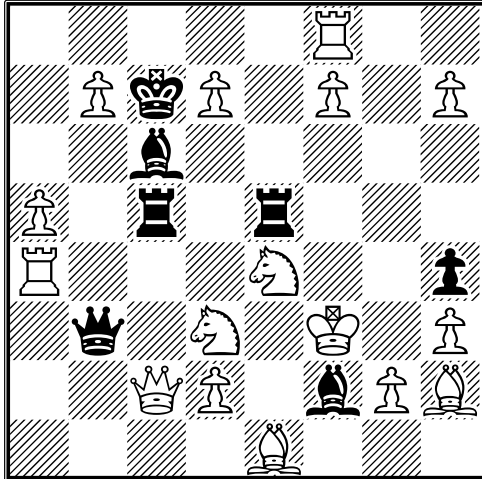No.1:

Borislav Gadjanski, *JF-2021-II*

3rd Prize

white Kf3 Qc2 Rf8a4 Be1h2 Se4d3 Pb7h7d2g2f7d7h3a5
black Kc7 Qb3 Re5c5 Bf2c6 Ph4

FEN: 5R2/1PkP1P1P/2b5/P1r1r3/R3N2p/1q1N1K1P/2QP1bPB/4B3

hs#3   **Take&Make**   16+7 C+

b) ♖c5→h4

Solutions:

a) 1.♘d:c5→c3 ♕:c3→e2+ 2.♔:e2→a6 ♖:e4→d6 3.♗:f2→a7 ♗:a4→c4#
b) 1.♘d:f2→e3 ♕:e3→g4+ 2.♔:g4→g7 ♗:e4→c3 3.♖:h4→h6 ♖:e1→g3#

3x2 paradoxical **Pelle movements**:
    a) Orthogonal: ♘d3→c3, e3
    b) Diagonal: ♖e5→d6, g3
    c) Orthogonal: ♗c6→c4, c3
All moves in solutions are a different Take&Make moves!
Zugzwang after White's last moves!
Mutual functions of 3 pairs of pieces: ♗c6/♖e5, ♗e1/♖a4 & ♗f2/♖c5 (h4)
Mates with double-check with the reciprocal BR-batteries where the both pieces are pinned (before and after the last move).
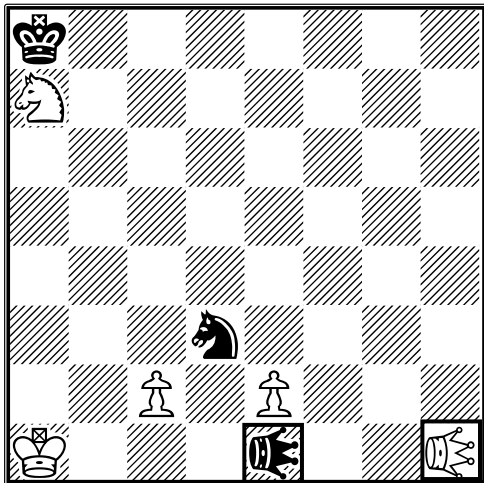

Solutions in full notation (Popeye):

a)
1.Sd3*c5-c3 Qb3*c3-e2 + 2.Kf3*e2-a6 Re5*e4-d6 3.Be1*f2-a7 Bc6*a4-c4 #
b) Rc5->h4
1.Sd3*f2-e3 Qb3*e3-g4 + 2.Kf3*g4-g7 Bc6*e4-c3 3.Ra4*h4-h6 Re5*e1-g3 #

Judge: N. Shankar Ram

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No.2

Borislav Gadjanski, *Danka Petkova – 100 MT Section C, 2020-2021*
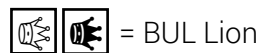
1ˢᵗ Prize

FEN: k7/N7/8/8/3n4/2P1P3/K3(q1)2(Q1)

hs#3   **2 sols**   5+3 C+

BUL Lion: Moves like a Lion ((0,1)+(1,1)Prolonged Hopper), but the hurdle must also make a non-capturing Lion move (the move is impossible if it cannot).

 = BUL Lion

white Ka1 Sa7 Pc2e2 BLih1
black Ka8 Sd3 BLie1
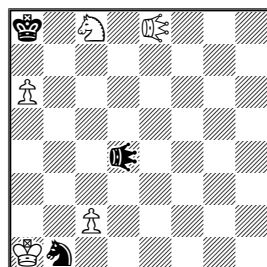
Solutions:

I) 1.BLih1-c1 (BLie1→b1) BLib1-d1(BLic1→e1)
    2.BLie1-e8 (♙f2→a6) BLid1-d4 (♘d3→b1) 3.♘c8 + ♘c3#

II) 1.BLih1-d1 (BLie1→c1) BLic1-c5 (♙c2→f2) 2.♘c6 BLic5-g1 (♙f2→c2)
    3.BLid1-f3 (♙e2→b2) + ♘c1#

Reciprocal orthogonal-diagonal creation of white and black BLI+S Anti-battery. 8 x Bul effects.
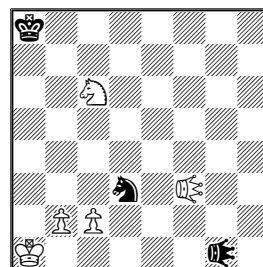Four Anti-batteries. Model mates. No Capturing

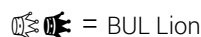Positions after the check in the last white's move
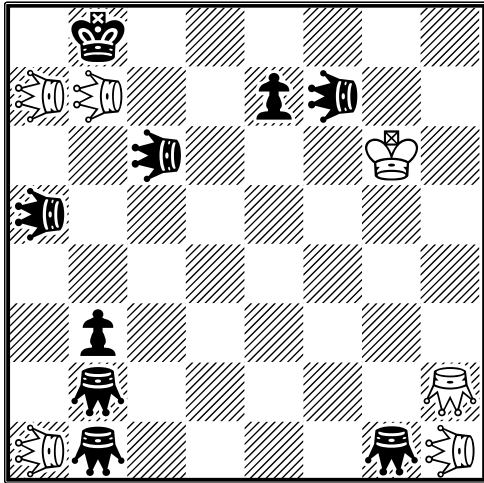
1ˢᵗ solution   2ⁿᵈ solution

3… ♞c3! #   3… ♞c1! #

 = BUL Lion

Judge: Petko A. Petkov

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No.3

Borislav Gadjanski, *JF-2020-I*

No. 1500 (Award not available)

a1, a7, b7, h1, a5, c6, f7: Lion (🦁)
h2, b1, b2, g1 : Grasshopper (🦗)

white Kg6 LIa1h1b7a7 Gh2
black Kb8 Gb1g1b2 LIa5c6f7 Pb3e7

FEN: 1k6/(Q3)(Q3)2p(q3)2/2(q3)3K1/(q3)7/8/1p6/1(q2)5(Q2)/(Q3)(q2)4(q2)(Q3)

hs#3.5   **Take&Make**   6+9 C+ (by Popeye & WinChloe)
             2 sols

Solutions:

I 1... 🦗h7 2.🦁b1 🦗:a1→g1 3.♔:h7→h1 ♚:a7→a1 4.🦁b7:f7→a7+ 🦁a5→a8#
            (4... ♔:h2→a2+?? Self-check) (5. 🦗h2→a2?? Self-check)
II 1... 🦗g7 2.🦁g1 🦗:h1→b1 3.♔:g7→a1 ♚:b7→h1 4.🦁a7:f7→b7+ 🦁c6→a8#

Four pairs of fairy pieces exchange their functions in perfect orthogonal-diagonal transformations.
Reciprocal final corner-positions of the kings.

Second black moves = passive annihilation.

4+4 Take&Make moves (capturing).

All moves are with a jump over a hurdle (pieces).
Some moves are with two jumps.
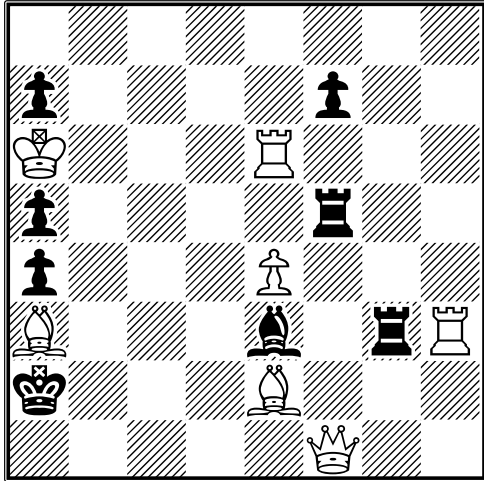Both solutions have a total of 9 + 9 jumps!

Solutions in full notation (Popeye):

1...Gb1-h7 2.LIh1-b1 Gg1*a1-g1 3.Kg6*h7-h1 Kb8*a7-a1 4.LIb7*f7-a7 + LIa5-a8 #
1...Gg1-g7 2.LIa1-g1 Gb1*h1-b1 3.Kg6*g7-a1 Kb8*b7-h1 4.LIa7*f7-b7 + LIc6-a8 #

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No.4

Borislav Gadjanski, *JF-2021-II*

8th Prize

FEN: 8/p4p2/K3R3/p4r2/p3P3/B3b1rR/k3B3/5Q2

hs#4   **2 sols**   7+8 C+

white Ka6 Qf1 Rh3e6 Ba3e2 Pe4
black Ka2 Rf5g3 Be3 Pa4a7a5f7

Solutions:

I 1.♗h5 ♗g1 2.♗:f7 ♖f2 3.♔:a7 ♖g8 4.♖a6+ ♖:f7#
II 1.♖f6 ♖h5 2.♖f2 ♗g5 3.♔:a5 ♖:a3 4.♗a6+ ♗Bd2#

Reciprocal <u>Peri-critical (Herlin) maneuvers by wR&wB</u> **+** reciprocal <u>Critical (Indian) maneuvers by bR&bB</u>.
A unique combination of both maneuvers in two phases and reciprocal form (?)

Self-blocks on a6 by wR&wB, guarding duties and line-opening by bRg3.
The mechanism uses all 8x8 space of the board, and all 4 edges.

Solutions in full notation (Popeye):

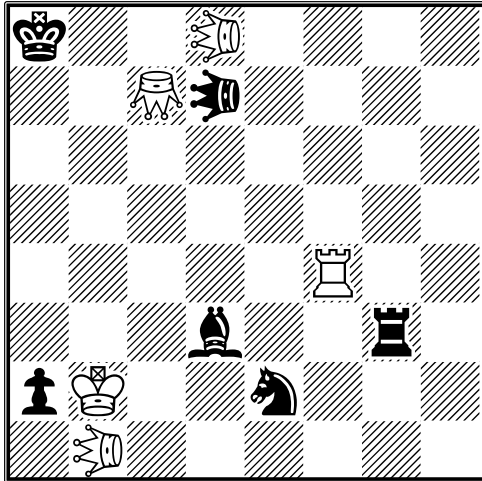1.Be2-h5 Be3-g1 2.Bh5*f7 Rf5-f2 3.Ka6*a7 Rg3-g8 4.Re6-a6 + Rf2*f7 #

1.Re6-f6 Rf5-h5 2.Rf6-f2 Be3-g5 3.Ka6*a5 Rg3*a3 4.Be2-a6 + Bg5-d2 #

Judge: N. Shankar Ram

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No.5

Borislav Gadjanski, *JF-2020-II*

No. 1528 (Award not available)

FEN: k2(Q3)4/2(Q2)(q3)4/8/8/5R2/3b2r1/pK2n3/1(Q3)6

b1, d8, d7: Lion (⟨Lion⟩)
c7: Grasshopper (⟨GH⟩)

white LIb1d8 Rf4 Kb2 Gc7
black Pa2 Se2 Ka8 Bd3 Rg3 LId7

hs#3.5*   Take&Make   5+6 C+

Set Play:

1...   ...   2. ⟨Li⟩:d3→b5 ⟨Li⟩a7 3. ⟨GH⟩:g3→a3+ ⟨S⟩:f4→a4+ 4. ⟨K⟩:a2→a1 ⟨Li⟩:a3→a5#

Solution:

1... a1=⟨Li⟩! 2. ⟨Li⟩:d3→h7 ⟨Li⟩b7 3. ⟨GH⟩:g3→g2+ ⟨S⟩:f4→f3 4. ⟨K⟩:a1→h1 ⟨Li⟩:g2→e4#

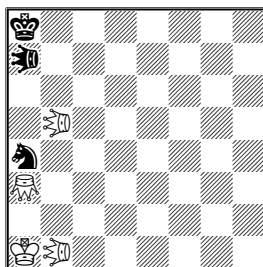Orthogonal-diagonal echo mats with zugzwang in the last move.
5+5 T&M moves.
Schnoebelen in the very first black and the last white move
(**Schnoebelen:** *A promoted unit, which has not played after its promotion, is captured on its promotion square.*)
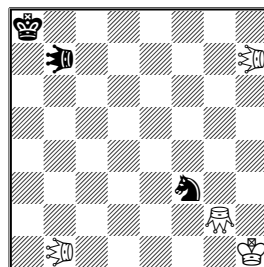Ideal and unique **zugzwang** positions with same pieces:

zzw in set play   zzw in solution

⟨Li⟩:a3→a5#   ⟨Li⟩:g2→e4#
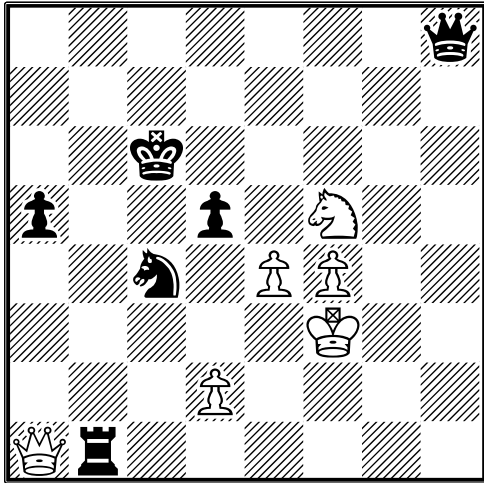
Solutions in full notation (Popeye):

1... ... 2.LId8*d3-b5 LId7-a7 3.Gc7*g3-a3 + Se2*f4-a4 + 4.Kb2*a2-a1 LIa7*a3-a5 #
1...a2-a1=LI 2.LId8*d3-h7 LId7-b7 3.Gc7*g3-g2 + Se2*f4-f3 4.Kb2*a1-h1 LIb7*g2-e4 #

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No.6

Borislav Gadjanski, *Problem Paradise, 2019*

88/F1076 (Award not available)

FEN: 7q/8/2k5/p2p1N2/2n1PP2/5K2/3P4/Qr6

white Kf3 Qa1 Sf5 Pe4f4d2
black Kc6 Qh8 Rb1Sc4 Pa5d5

hs#4	**2 sols**	6+6 C+

Solutions:

I) 1.♕:a5**A** ♖b8 2.e:d5+**B** ♚b7 **c** 3.♚e4**D** ♛c3 **e** 4.♘d6+**F** ♘:d6# **g**
II) 1.♚g2**C** d:e4 **b** 2.♛f6+**E** ♚d5 **d** 3.d4 ♛h4 **a** 4.♘e3+**G** ♘:e3# **f**

Reciprocal black and white help-play (like a pendulum)
The inspiration is <u>The 19th Japanese Sake tournament and "Point Reflection" condition</u>.
7 centrally symmetric pairs of W/B moves in 2 solutions or 7 pairs of "point reflection moves with
opposite colors"

Uppercase: white move, Lowercase: black move
The same letters: centrally symmetrical W/B moves

A/a = Qa1-a5 / Qh8-h4, B/b = ed5 / de4, C/c = Kf3-g2 / Kc6-b7, D/d = Kf3-e4 / Kc6-d5,
E/e = Qa1-f6 / Qh8-c3, F/f = Sf5-d6 / Sc4-e3, G/g = Sf5-e3 / Sc4-d6

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