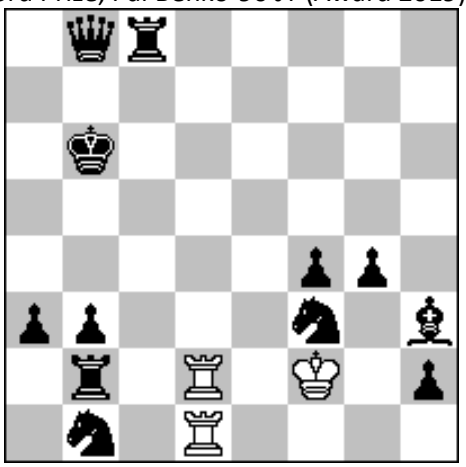
No.1

Nikola Predrag
3rd Prize, Pál Benkő-90 JT (Award 2019)



h#3 zero-switch position 3+12
a) bLh3->g4
b) bPf4->e6
c) bSf3->f5

(1...Kf2-f1/e3/e1 ??)
a) bLh3->g4
1.Tc4!**A**(Tc5?**B**) Kf1 2.Kc5 Td6 3.Db4 T1d5#
b) bPf4->e6
1.Tc5!**B**(Tc6?**C**) Ke3 2.Kc6 Td7 3.Db5 T1d6#
c) bSf3->f5
1.Tc6!**C**(Tc4?**A**) Ke1 2.Kc7 Td8 3.Db6 T1d7#

Twinning switches the target-square of attack:
a) f1->d7; b)e3->d5; c) e1->d6, giving only ONE flight to wK, but preventing only ONE of 3 initially possible mates. The remaning bT`s choice in B1 (selfblock) shows cyclic dual-avoidance (bD would check in B3).

Anticritical moves by Tf8, gate-vacation by bK, white Bristol after self-unpin. Model mates.

Together with the switch of attack by twinning, there is the form of cyclic triple-avoidance:
a) *(1.C?)* **1.A!**(1.B?->3.Db5+)
b) *(1.A?)* **1.B!**(1.C?->3.Db6+)
c) *(1.B?)* **1.C!**(1.A?->3.Db4+)
because bD would renew the attack that was removed by the twinning.

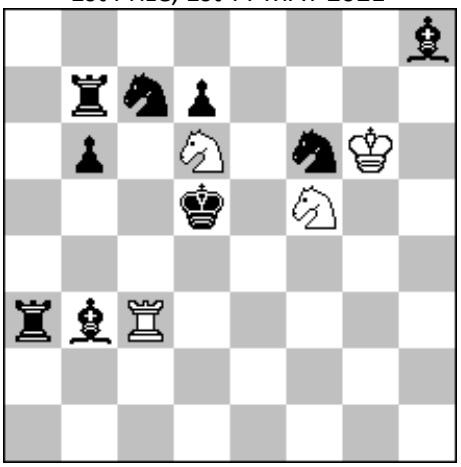
"Zero-switch mechanism" creates a specially structured zero-position which already manifests the basic feature that is equivalently distributed by the same principle through the phases. The effect of a particular twinning could be undone (switched back) by wrong choice of a (thematic) play.

In this composition, the effect of the twinning-switch prevents one mate directly and is indirectly (and cyclically!) transferred to preventing another mate by switch-back effect of the play.
Thus, through the shift of the same feature (YES/NO attack), the 'zero-switch' twinnig mechanism is cyclically entwined with the active dual avoidance in the play.
Such a full cycle makes the zero-twinning equally thematic with the play, creating the whole emergent structure as a single entity.
'A well organized dead structure is triggered to life governed by one basic principle'.

(The switch has 4 possible states '0','a','b','c' of YES/NO attack on 3 pairs of thematic squares: (1)=f1/d7; (2)=e3/d5; (3)=e1/d6.
In '0'-state Y/N-Y/N-Y/N, the switch is 'turned off' and mechanism is a 'dead structure' with no solution. For a solution, the switch must be 'turned on', interchanging the thematic status inside one of 3 pairs: a) (1)=N/Y; b) (2)=N*/Y; c) (3)=N*/Y*
N indicates that a wrong play would switch 'NO-attack' back to 'YES-attack', making the wrongly planned mate illegal due to wK in check.)*

No.2

Nikola Predrag
1st Prize, 1st TT MAT 2021



h#2 a) diagram 4+9

b) -Tc3
c) -Sf5
d) -Sd6

a) diagram 1.Ke5 Tc4 2.Sfd5 Te4# X

b) -wTc3 X 1.Kc6 Se4 2.Ld5 S(f5)d4# Y
c) -wSf5 Y 1.Kd4 Kf5 2.Scd5 S(d6)b5# Z
d) -wSd6 Z 1.Ke4 Kg5 2.d5 Te3# X

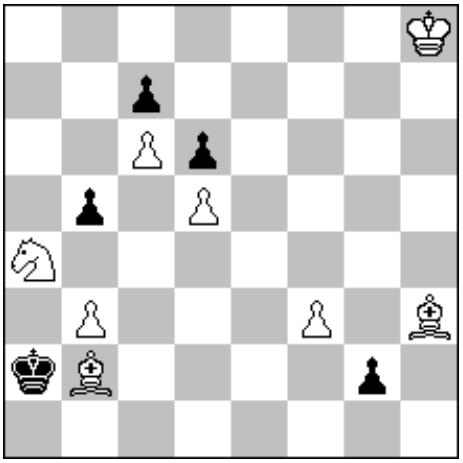
Beside wK, all 3 white pieces are thematic.
Closed chain of mating pieces X-Y-Z-X with the inner cyclic shift throughout the twins b)-c)-d) of the thematically removed and of the model-mating pieces X/Y-Y/Z-Z/X.

4 different selfblocking Umnov effects on d5.

2 pairs of reverse anti-dual choices:
1. De-activating the existing guard of arrival square for mating piece: a) e4 & c) b5
2. Non-activating the guard of arrival square for mating piece: b) d4 (2.Sfd5?) & d) e3 (2.Bd5?)

No.3

Nikola Predrag
Spec. prize, TT-239, SuperProblem, 05-04-2020



h#3.5 2sol. 8+5

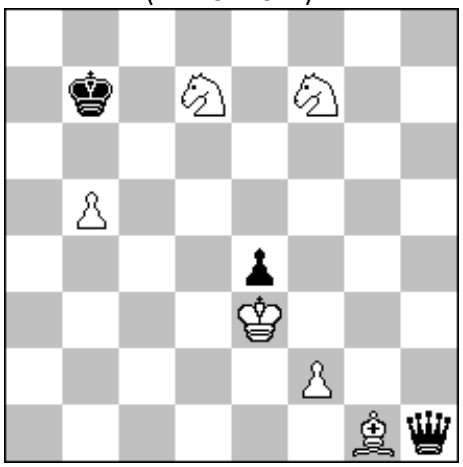
1...b4 2.g1D! Lf1 3.**Dg6** Lxb5 4.Lb1 Lc4#

Pericritical tempo-losing **departure** from 1st rank before wLf1 will **open** that line, as an inversion of the tempo-losing **arrival** in **anticritical** move before wLc1 will **close** 1st rank:

1...Lf5 2.g1T Lc2 3.**Tb1** Lc1 4.Ta1 Sc3#

No.4

Nikola Predrag
Spec. HM, Charenton-Le-Pont 2021
(RIFACE 2021)



h#3 6+3

1.Dh8!(~?) Lh2 2.Da1!(Da8?) Lb8 3.Da8 Sd6#

Pericritical corner to corner maneuvers towards a1/a8 (around g1/b8), before opening 1st rank/closing 8th rank.

B2(Dh8-a1)=anticipatory tempo-losing, transferred from virtual B3 (2.Dh8-a8? Lb8 3.tempo??), proves that B1(Dh1-h8) is just a waiting move (1.~ Lh2 2.Dh1-a1). Thus the tempo-losing is transferred from virtual B3 to ostensible B2 and then to actual B1.