

THEME TOURNEY MARIANKA CUP 2014

30-day festival theme tourney Marianka Cup was announced for compositions with any stipulation using supertransmuting king. Other fairy elements were unlimited as well. The tourney was announced in honour of the discoverer of supertransmuting king, Karol Mlynka, who turned 70 on the August 11th.

The tourney was open to all composers, including those not participating personally at the festival, on July 30th 2014, with closing date August 29th 2014. Thus 30 days were available to authors. The results were announced on Wednesday, September 3rd, the last day of the festival Marianka 2014 and the winner has received the cup.

Supertransmuting king: king, that after being checked definitely acquires mobility of the checking unit, must move and loses its royal attribute.

The chosen theme has shown that even 16 years after first definition of the supertransmuting king there is no consensus view on the properties of this interesting piece, shared by all composers and not even organizer and judge (the same person) of the tourney. The biggest confusion arose around the question, when exactly supertransmuting king loses its royal attribute

It is not apparent from the definition used in magazine PAT A MAT, and that appeared at the same time as supertransmuting king, that the change of king's mobility, the requirement to move and the loss of royal attribute all appear at the same time. The first changed thing is the mobility of the king, then he must move and only then his royal attribute is lost. In other words, checked supertransmuting king after acquisition of mobility of checking piece is still a king, even if with the new mobility. Then he must move and if, still as a king, he cannot make the move, he is checkmated. But what does it mean – "he cannot make the move" – does it mean the king has to have zero mobility at the moment or it cannot still as a king enter the guarded square? In the meantime the definition was precised and nowadays it is clear – the royal attribute is lost in the moment when the move begins, i.e. when the supertransmuting king is lifted from the board. As a consequence, the supertransmuting king can be checkmated if he has no mobility after check. If his mobility is non-zero, he can move, but he is no longer king at that time and thus he can enter guarded square. That is why the example 2 in the original announcement had no solution.

Other received questions were not so difficult to answer. They were mostly dealing with the check in SAT and the mobility acquired by supertransmuting king after battery or multiple check. In SAT the piece giving the flight is considered to be checking one and therefore supertransmuting king acquires its mobility. After battery check the supertransmuting king changes into rear battery piece and after multiple check the piece to turn into is chosen among checking pieces by the checked side.

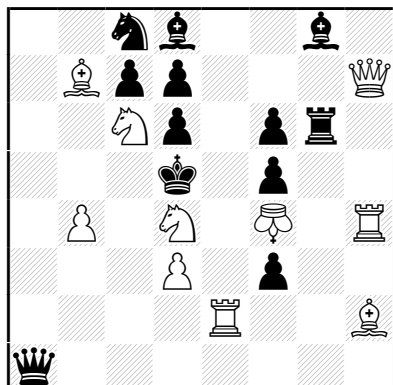
Also, I consider the move by supertransmuting king in the royal shape and without royal attribute to be the same.

There were 35 competing compositions of the very good quality. Of them 13 were in SAT and therefore I have decided to award them in the special subsection. Other compositions were awarded as follows.

Ľudovít Lačný

1st Prize Marianka Cup 2014

C 29. 8. 2014



#2 (10+12)

♔=supertransmuting king

1. ♔:f3? **A** ~ 2. ♘e7#,
 1... ♖g3+ **a** 2. ♔:f5=♖# **B**, 1... ♗g4 **d** 2. ♕:f5# **D**, 1...f4! **e**,
 1. ♔:f5? **B** ~ 2. ♘e7#,
 1... ♘e7+ **b** 2. ♔e3=♘# **C**, 1... ♙e6+ **f** 2. ♔e4=♙# **E**, 1... ♗g4! **d**,
 1. ♔e3! **C** ~ 2. ♘e7#,
 1... ♕g1(c1)+ **c** 2. ♔:f3=♕# **A**, 1...f4+ **e** 2. ♔e4=♙# **E**, 1... ♕:d4+ **g** 2. ♔:d4=♕# **G**,
 1... ♗g3 **a** 2. ♕:f5# **D**.

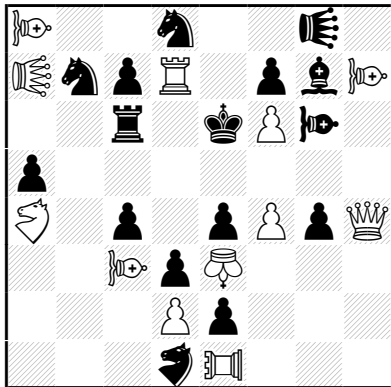
	a	b	c	d	e	f	g
A		B		D	!		
B			C		!	E	
C		D		A		E	G

Difficult new-strategical theme and rich use of supertransmuting king properties. Elegant mechanism starring single fairy element - supertransmuting king. He enters in the first move one of three thematic square (f3, f5, e3) as king, but then in the second move other thematic square in the shape of normal piece after it mutation and loss of royal privileges. He gives the final blow and mates the black king. Cyclic change of three white moves in the function of key and checkmate after different defences. Moreover transformation of white supertransmuting king to all pieces including pawn. Decent presentation of the piece originated sixteen years ago in Bratislava.

Ján Dučák

2nd Prize Marianka Cup 2014

C 29. 8. 2014



#2 (12+16) C+

♞=nightrider-hopper

♚=kangaroo-lion

♔=supertransmuting king

♗=bishop lion

♖=pao

1. ♔d4? A ~ 2.f5# B,

1... ♗e8 a 2. ♚g4# C, 1... ♔f6+ b 2. ♔=♔c5# D, 1... ♞d6 c 2. ♚e7# E, 1... ♚d6+ d

2. ♔=♚e4# F, 1...e3!,

1. ♔e4! F ~ 2. ♔d4# A,

1... ♗e8 a 2.f5# B, 1... ♔f6 b 2. ♚g4# C, 1... ♞d6+ c 2. ♔=♞c5# D, 1... ♚d6 d

2. ♚e7# E.

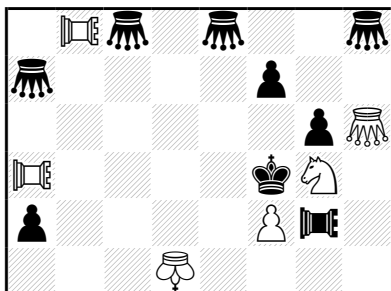
		a	b	c	d
A	B	C	D	E	F
F	A	B	C	D	E

Record cycle of six white moves in varying functions, including key, threat and mates after four defences. The use of the supertransmuting king is rich as well, he makes keys in both phases (without change of mobility) and mates three times, in the try as bishop and rook, in the solution as knight. It was not easy to disentangle strategy of this composition.

Vasyľ Ďačuk

3rd Prize Marianka Cup 2014

C 29. 8. 2014





#2 (10+11)

♞=nightrider lion

♚=supertransmuting king

♟=grasshopper

♖=rook lion

1... ♖d4 b 2. ♟e5# K, 1... ♚g3+ d 2. ♚=♖d5# L,

1. ♚e3? ~ 2. ♖e5# A,

1... ♖c4 a 2. ♖c5# B, 1... ♖d4+ b 2. ♚=♟c5# C, 1... ♖e4+ c 2. ♚=♟e5# D,

1... ♚g3+ d (♚:e1+) 2. ♚=♖e5# D, 1... ♟e2 f 2. ♖f8# E,

1... ♖b4! e,

1. ♚c3! ~ 2. ♖c5# B,

1... ♖c4+ a 2. ♚=♟c5# C, 1... ♖d4+ b 2. ♚=♟e5# D, 1... ♖e4 c 2. ♖e5# A,

1... ♚g3+ d 2. ♚=♖c5# C, 1... ♟:c2 g 2. ♖f8# E, 1... ♖b4 e 2. ♟b5# X.

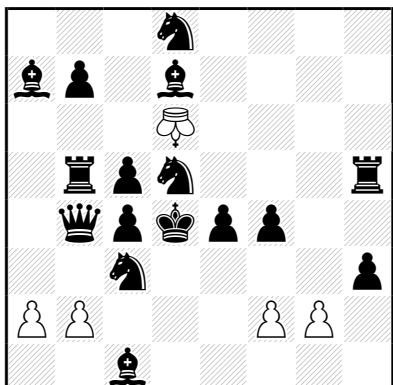
	a	b	c	d	e	f	g
		K		L			
A	B	C	D	D	!	E	
B	C	D	A	C	X		E

Cyclic change of threat and three variation mates extended by three-phase change after 1... ♚g3+, always met by supertransmuting checkmate. Taking into account variation 1... ♖d4 b 2. ♟e5# of the set play also one additional change of mate in three phases. Good performance.

Ladislav Packa

4th Prize Marianka Cup 2014

C 29. 8. 2014



h#3 (5+16)

♚=supertransmuting king

a) ♚d6=♚: 1. h2 g3 2. ♚h3 g:f4 3. ♚d3 ♚e5#,

b) ♚d6=♖: 1. ♚d1 f3 2. ♚f2 ♖e6 3. ♚d3 ♖:e4#,

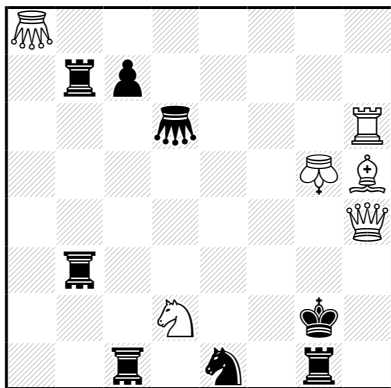
c) ♚d6=♞: 1. ♚g4 ♞:b7 2. ♚e2 ♞:d8 3. ♚d3 ♞c6#.

Small retrograde analysis yields that the supertransmuting king might have entered d6 only after being checked and have changed its mobility. And there are three possibilities for that. Either it moves now as bishop (and the last moves were 1... ♔a7+ 2. ♖b8-d6=♔), as rook (last moves 1... ♖h5+ 2. ♖h6-d6=♖), or knight (last moves 1... ♞d8+ 2. ♖f7-d6=♞). Basically it is an orthodox twinning mechanism, with change of piece standing on d6 smartly founded by properties of the supertransmuting king. Threefold self block of d3, with cyclic shift of types of blocking and checkmating pieces.

Karol Mlynka

5th Prize Marianka Cup 2014

C 29. 8. 2014



#2 (6+8)

♔=supertransmuting king

♛=grasshopper

♖=rookhopper

b) ♛d6→c5, c) ♛d6→b4

a) 1. ♔f5! ~ 2. ♖g6#,

1... ♖b5+ a **A** 2. ♔f2=♖# **X**, 1... ♖b4 b **B** 2. ♔f3# **Y**, 1... ♖f1+ d 2. ♔g5=♖# **K**,

b) 1. ♔f6? ♖c6!,

1. ♔f4! ~ 2. ♖g6#, 1... ♖b4+ b **A** 2. ♔f2=♖# **X**, 1... ♖b6 c **B** 2. ♖f3# **Y**, 1... ♖f1+ d

2. ♔g4=♖4# **L**,

c) 1. ♔f5? ♖b5!,

1. ♔f6! ~ 2. ♖g6#, 1... ♖b6+ c **A** 2. ♔f2=♖# **X**, 1... ♖b5 a **B** 2. ♔f3# **Y**, 1... ♖f1+ d

2. ♔g6=♖# **M**.

		a	b	c	d
		A	B		X
			A	B	Y
		B		A	Z

Z-33-45

		a	b	c
		A	B	
			A	B
		B		A

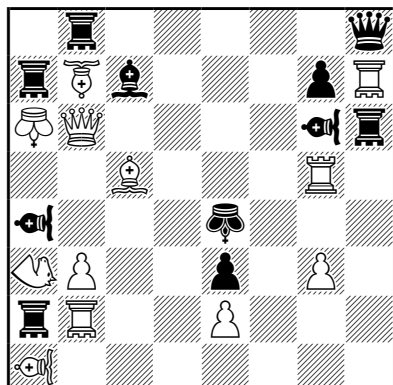
OM-32-32

Nice combination of changes of mates and change of defence motifs. Simple strategical content results in the rare three-phase transference of two mates after three defences, with added three phase change of mathe after 1... ♖f1+, altogether yielding Z-33-45. Moreover, defence motifs of black moves (*A*=checking, *B*=direct guarding of threat mate line) form the same cycle as checkmates. Grasshopper d6 plays important role in the whole mechanism of changes, as it directs the cycle by its place changes.

Ján Dučák

Special Prize Marianka Cup 2014

C 29. 8. 2014



#2 (12+11)

♚=supertransmuting king

♖a1=rookhopper-2

♗a2=bishopper

♗a3=bishop moose

♘a4=zebra

1. ♖b5? ~ 2. ♚d4#, 1... ♗c5+!,

1. ♚d4? ~ 2. ♖b5# **A**, 1... ♗c3 a 2. ♘c6# **B**, 1... ♗d4+ b 2. ♗=♗f2# **C**, 1... ♖e6!,

1. ♚a5! ~ 2. ♘c6# **B**, 1... ♗c3+ a 2. ♗=♗f2# **C**, 1... ♗d4 b 2. ♖b5# **A**, 1... ♖e6 2. ♖e7#.

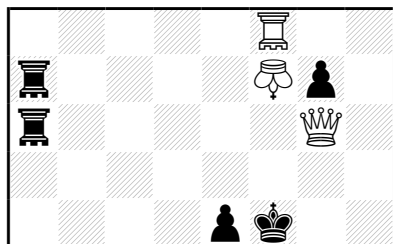
	a	b
A	B	C
B	C	A

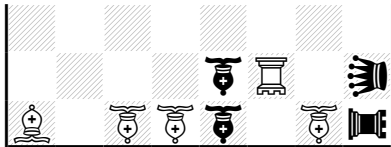
Shedey cycle (cyclic change of threat and two mates) with difficult strategical content. Special prize is a results of the fact that soundness of the problem cannot be ensured.

Ján Golha

1st Honourable Mention Marianka Cup 2014

C 29. 8. 2014





#2 (8+9)

♔=supertransmuting king

♖=rookhopper

♗=bishopper

♖=rook lion

♘=leo

1. ♔e6? hr. 2. ♖f3#,
 1... ♖h6+ a 2. ♔e3=♖# A
 1... ♗h6+ b 2. ♔c4=♗# B
 1... ♖f6!,
 1. ♔e7? hr. 2. ♖f3#,
 1... ♖h7+ c 2. ♔e3=♖# A
 1... ♗h7+ d 2. ♔b4=♗# C,
 1... ♖f7!,
 ♘d4? hr. 2. ♗e3#,
 1... ♖h7+ c 2. ♔f3=♖# E
 1... ♗h7+ d 2. ♔f5=♗# F
 1... ♗h5+ 2. ♔f5=♗#
 1... ♗g3!,
 1. ♔e8! ~ 2. ♖f3#,
 1... ♖h8+ e 2. ♔e3=♖# A
 1... ♗h8+ f 2. ♔a4=♗# D
 1... ♗h5+ 2. ♔a4=♗#

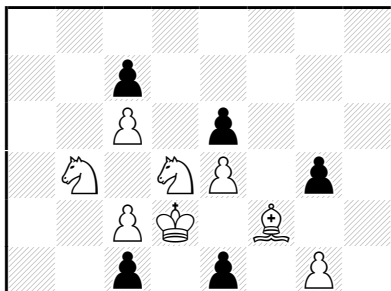
	a	b	c	d	e	f
	A	B				
			A	C		
			E	F		
					A	D

Four-phase combined changes and transferences of mates with interesting and rich use of related but different properties of hoppers and lions. Supertransmuting king plays in all variations.

Ladislav Packa

2nd Honourable Mention Marianka Cup 2014

C 29. 8. 2014





hs#4,5 (11+6)

♔=supertransmuting king

2 solutions

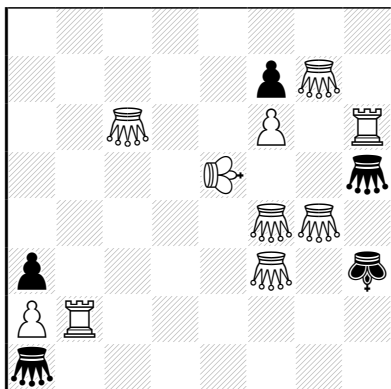
1... ♖:d1 2. ♔c5 ♖:c2 3. ♞b4+ ♖a1=♞a1 4. ♙:e3 c2 5. ♙c1 ♞b3#,
 1... ♖f1 2. ♞:e3+ ♖:g3=♞g3 3. ♙f3 ♞h1 4. ♔e4 g3 5. ♞d4 ♞f2#.

Two analogous solutions in the helpselfmate.

Karol Mlynka

3rd Honourable Mention Marianka Cup 2014

C 29. 8. 2014



s#4 (10+5)

NoCaptures

♞=royal rookhopper

♔=supertransmuting king

♟=grasshopper

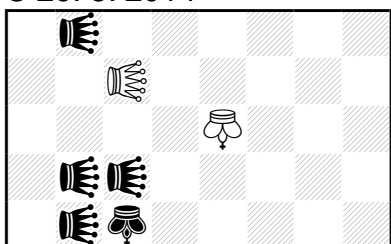
1... ♟c3 a 2. ♖f2 A t. ♟c7 3. ♟f1 t. ♟c5 4. ♖g2+ ♔f5=♟f5#,
 1. ♟g2? t.
 1... ♟c3 a 2. ♟2e4 B t. ♟a1 3. ♞e3 t. ♟c3 4. ♟f5+ ♔d3=♟d3#, 1... ♔h2!,
 1. ♟g6! t.
 1... ♟c3 a 2. ♖d2 C t. ♟e1 3. ♖e2 t. ♟e3 4. ♟e6+ ♔f5=♟f5#.

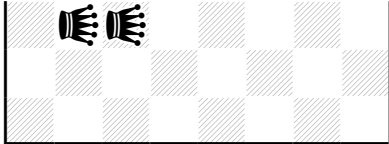
Change of attack in three phases with zugzwang. The same finish of set play and solutions matters a bit, in the set play the final white check is delivered by antibattery and in solution directly.

Kenneth H. M. Solja

4th Honourable Mention Marianka Cup 2014

C 29. 8. 2014





h#3,5 (2+7)

♞=locust

♚=supertransmuting king

1. ♞b:c7-d6+ ♚:d6-c6=♞c6 2. ♞d4 ♞c:b5-a4 3. ♞d5 ♞:b4-c4#.

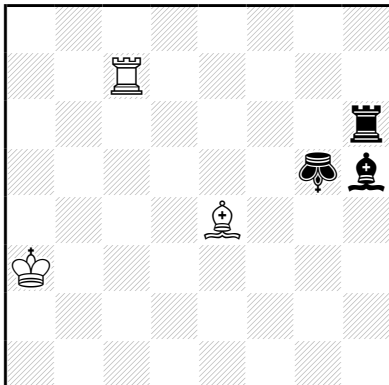
1... ♚f7 2. ♞c:c7-c8 ♚g6 3. ♞c5 ♚g5 4. ♞b6+ ♚:b5-a5=♞a5#,

Good use of both white and black supertransmuting king. Pity that two final positions are not more analogous.

Luis Miguel Martín

5th Honourable Mention Marianka Cup 2014

C 29. 8. 2014



h#2 (3+3)

b) – ♖h6

Anticirce

♚=superking

a) 1. ♖g6 ♚a8 2. ♞h6 ♖h7#,

b) 1. ♚g4 ♖c8 2. ♞h5 ♚g6#.

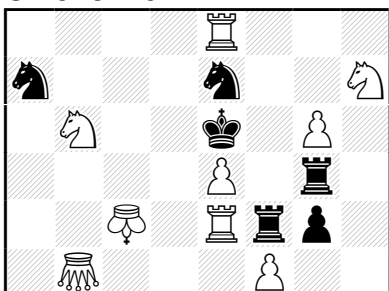
One possibility to checkmate supertransmuting king. Nice analogy of twins solutions.

Commendations without order

Karol Mlynka

Commendation Marianka Cup 2014

C 29. 8. 2014





#2 (13+8)

b) ♔a2→h4

♔=supertransmuting king

♗=grasshopper

a) 1. ♔c5! ~ 2. ♕c4#,

1... ♖:e5+ a A 2. ♔d5=♖d5# K,

1... ♗:e4 b B 2. ♘f8# L,

1... ♗:e4 c C 2. ♗g3# M;

b) 1. ♔d4! ~ 2. ♕c4#,

1... ♖:e5 a C 2. ♗:e7# X,

1... ♗:e4+ b A 2. ♔d6=♖d6# Y,

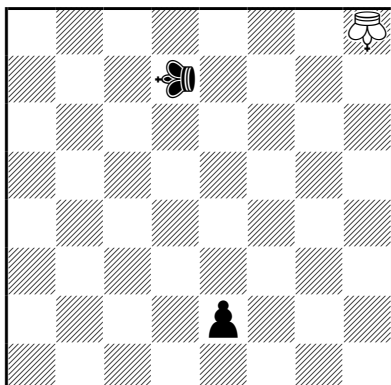
1... ♗:e4 c B 2. ♘:g5# Z.

Active change of three defence motifs (A = checking, B = direct guarding, C = unguarding square in mating net) with weaker use of supertransmuting king. Replacement of wQ is significant change in the position, but this is compensated by the same threat and change of three mates.

Karol Mlynka

Commendation Marianka Cup 2014

C 29. 8. 2014



h#2 (1+2)

♔=supertransmuting king

♞d7=royal berolina

b) ♞d7→g5

c) ♞d7→h6

+d) ♔h8→d2

+e) ♗e2→f3

a) 1.e1 ♗ ♔g7 2. ♗e6=♗e6+ ♔e8=♗e8=♕e8#,

b) 1.e1 ♕ ♔h7 2. ♕h4=♖h4+ ♔:h4=♖h4=♗h4#,

c) 1.e1 ♖ ♔g8 2. ♖g1=♗g1+ ♔f7=♗f7=♘f7#,

d) 1. ♞g5 ♔e3 2.e1 ♖+ ♔g3=♖g3=♗g3#,

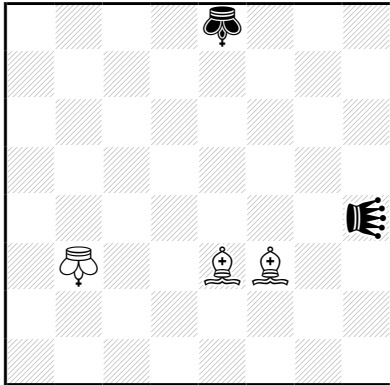
e) 1.f2 ♔d3 2.f1 ♕+ ♔g6=♕g6=♖g6#.

Nice blend of Chameleon Chess with supertransmuting king.

Luis Miguel Martín

Commendation Marianka Cup 2014

C 29. 8. 2014



h#2,5 (3+2)

2 solutions

♞=locust

♚=supertransmuting king

1... ♔f4 2. ♞f7 ♚b4 (♚c4?) 3. ♞:f4-e4+ ♚:e4-f4=♞e4#,

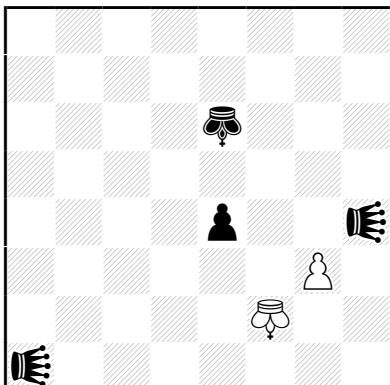
1... ♔e4 2. ♞e7 ♚c4 (♚b4?) 3. ♞:e4-d4+ ♚:d4-e4=♞e4#.

Two related solutions with good justification of the 2nd white move.

Karol Mlynka

Commendation Marianka Cup 2014

C 29. 8. 2014



h#2 (2+4)

Mirror Circe

2 solutions

♚=supertransmuting king,

♞=locust

1.e3+ ♚:e3=♚e3(+♚e2) 2. ♞:g3-f2(+♚g7) g8♞#,

1. ♞e5 g:h4(+♞h8) 2. ♞:h4-h3(+♚h7) h8♞#.

Two mates with locust promotions and repeated recipe for checkmating the supertransmuting king.

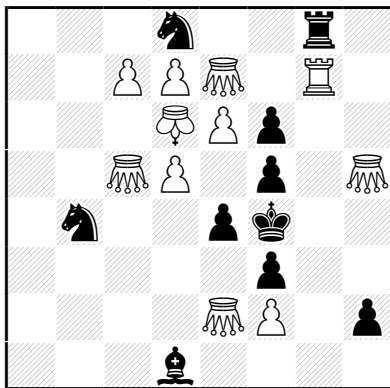
XX

Honourable mentions for SAT

There were 13 problems using SAT competing. Their quality was not so high, thus I have decided to award them in the separate group to avoid their mixing with strong competition.

Vasyľ Ďačuk

1st Honourable Mention Marianka Cup 2014
for SAT C 29. 8. 2014



#2 (11+10)

SAT

♔=supertransmuting king

♟=grasshopper

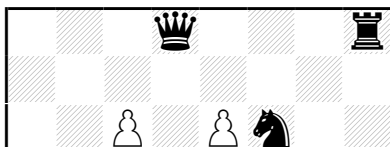
- 1... ♘:d5+ a 2. ♟:f5=♔f5# A (2. ♟:e4=♔? ♘e3!),
 1... ♘:e6+ b 2. ♟:e4=♔e4# B (2. ♟:f5=♔? ♘g5!),
 1. ♟2e5! ~ 2. ♟5g5#,
 1... ♘:d5+ a 2. ♟:e4=♔e4# B (2. ♟:f5=♔? ♘d5~!),
 1... ♘:e6+ b 2. ♟:f5=♔f5# A (2. ♟:e4=♔? ♘e6~!)

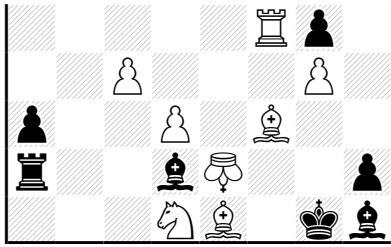
	a	b
	A	B
	B	A

Reciprocal change with nice dual avoidance in all solutions. The main part is played by knights, both black and white, with supertransmuting king in such shape as well.

Karol Mlynka

2nd Honourable Mention Marianka Cup 2014
for SAT C 29. 8. 2014





#2 (10+10)

SAT

♔=supertransmuting king,

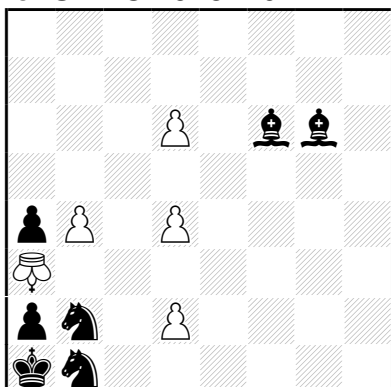
- 1... ♕d2~+ a 2. ♔f1=♕f1# A,
 1... ♕f4! b 2. ♔e3# B,
 1... ♔:d3+ c 2. ♔:h2=♔h2# E,
 1. ♕d5! ~ 2. ♖f3#,
 1... ♕d2~+ a 2. ♔f3=♕f3# C,
 1... ♕f4! b 2. ♔f3# D,
 1... ♖a1+ d 2. ♔e4=♖e4# F

	a	b	c	d
	A	B	E	
	C	D		F

Change of two variations with black correction, extended by free change. In all variations the supertransmuting king checkmates, after random move of bishop as normal piece, after its correction still as king. In the solution the supertransmuting king moves to the same square in different shapes – and that is considered by the author as two different moves. Other authors (including your judge) consider this to be the same move. In this case however the exception was made and the judge has accepted author's view.

L'uboš Kekely

3rd Honourable Mention Marianka Cup 2014
 for SAT C 29. 8. 2014



h#2 (5+7)

SAT

♔= supertransmuting king

b) ♖f6, c) ♞f6

- a) 1. ♔e7 d7 2. ♔:b4+ ♖:b2=♔#
 b) 1. ♖f4 d5 2. ♖:b4+ ♗:a2=♖#
 c) 1. ♘d5 d3 2. ♘:b4+ ♖:b1=♘#

Triplet with simple solutions finished by supertransmuting king in shape of three officers except queen. 1. ♘b2~+ does not work because of 1... ♗a3=♘, with selfcheck on b2.

Analogies in meredith.

I thank authors for their participation in this interesting competition, as well as for their contribution to clarification of some theoretical questions of supertransmuting king properties. The festival cup is handed to the winner with feeling that it is awarded to the the best composition of the thematical tourney.

Marianke, August 30th, 2014

Juraj Brabec, International Judge of the FIDE for Chess Compositions