# BEST PROBLEMS

*Rassegna dei migliori problemi*

diretta da **Antonio Garofalo**
Col sostegno dell'API (Associazione Problemistica Italiana)

**Anno XXVI - n. 102**

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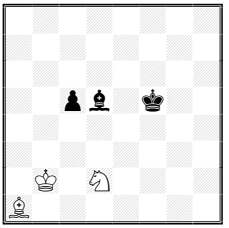
**Hanno collaborato a questo numero:**
Dragan Stojnic, Francesco Simoni, Marco Guida, Awani Kumar

## EDITORIALE

I lettori noteranno che alcuni diagrammi non hanno la nazionalità dell'Autore. Ciò è voluto dal Redattore di quesa rivista come piccola e modesta protesta contro l'aggressione di una nazione su una nazione vicina, come tutti sanno bene. Non ho nulla contro i singoli autori, questo deve essere chiaro a tutti, ma un piccolo gesto andava fatto. [*Readers will notice that some diagrams do not have the author's nationality. This is decided by the Editor of this magazine as a little and modest protest against the aggression of a nation by a nearby nation, as everyone well know. I have nothing against the individual authors, this must be clear to everyone, but a small sign was due.*]

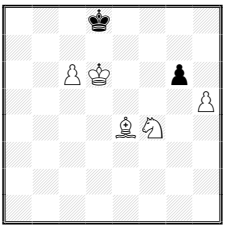


← **4772. Ivan Bryukhanov** - Ucraina
← *Original* - 8/8/8/2pb1k2/8/8/1K1N4/B7
H≠3,5 (3+3) C+ b) ♟c5-e5
a) 1…♘f3 2.♔e4 ♔a3 3.♔d3 ♔a4 4.♔c4 ♘e5‡
b) 1…♔c2 2.♔f4 ♗c3 3.♔e3 ♗a5 4.♔d4 ♗b6‡
This problem was sent by Ivan while his city, Chaplynka, was besieged.
[Questo problema è stato spedito da Ivan mentre la sua città, Chaplynka, era assediata.]

Roméo Bedoni (left) & Sébastian Luce some years ago.

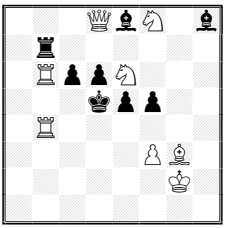
# Inediti

**4732. A. Armeni**
Italia



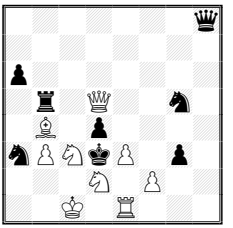
**=2 v… (5+2) C+**

**4733. B. Majoros**
Ungheria



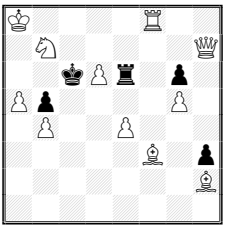
**≠2 (8+8) C+**
**2 sol.**

**4734. G. Maleika**
Germania



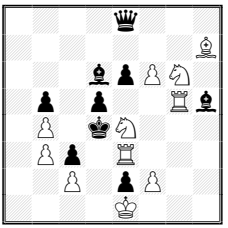
**≠2 vvv (9+8) C+**

**4735. G. Maleika**
Germania



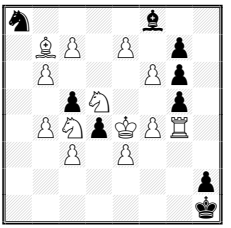
**=2* (11+5) C+**

**4736. F. Simoni & M. Guida -** Italia



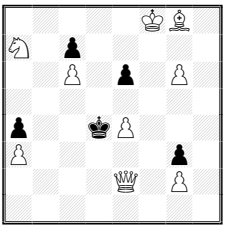
**≠2 v… (11+9) C+**

**4737. D. Gatti**
Italia



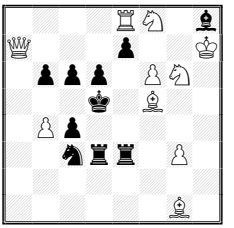
**≠2 v (13+9) C+**

**4738. S.B. Dowd**
USA



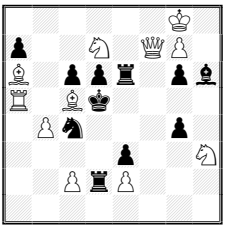
**≠3 (9+5) C+**

**4739. L. Lyubashevsky & L. Makaronez**
Israele



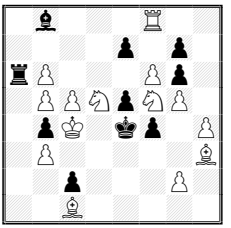
**≠3 v (10+10) C+**

**4740. L. Lyubashevsky & L. Makaronez**
Israele



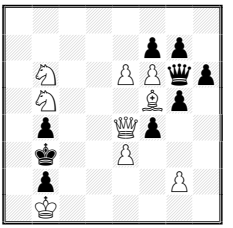
**≠3 (11+11) C+**

**4741. G. Doukhan**
Francia



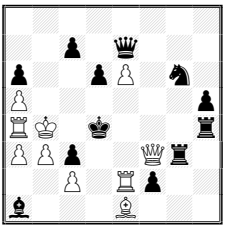
**≠3 v… (14+10) C+**

**4742. G. Jordan**
Germania



**S≠2 vvv (9+9) C+**

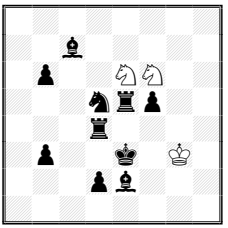
**4743. V. Koci**
Rep. Ceca



**S≠2 v… (10+12) C+**

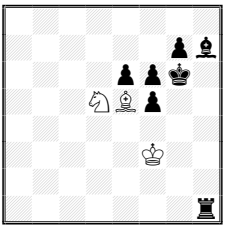
**≠2, n. 4732-4737** (Judge 2022: Gérard Doukhan).
**≠3, n. 4738-4741** (Judge 2022-2023: Antonio Garofalo).
**S≠2/3, n. 4742-4743** (Judge 2021-2023: Antonio Garofalo).

**4744. F. Magini**
Italia



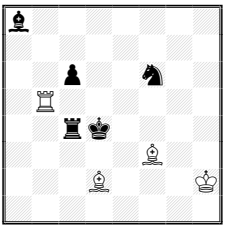
**H≠2 (3+10) C+**
**4 sol.**

**4745. S. Hudak**
Slovacchia



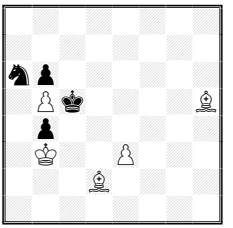
**H≠2 (3+7) C+**
**3 sol.**

**4746. V. Barsukov**



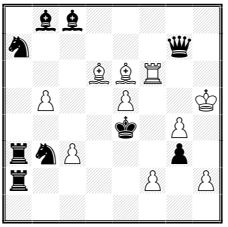
**H≠2 (4+5) C+**
**3 sol.**

**4747. E. Zimmer**
Polonia



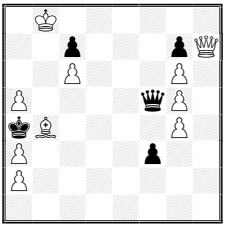
**H≠2* (5+4) C+**

**4748. A. Pankratiev & E. Gavriliv**
/ Ucraina



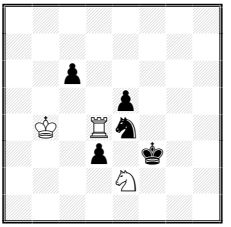
**H≠2 (10+9) C+**
**4 sol.**

**4749. K. Cefle**
Turchia



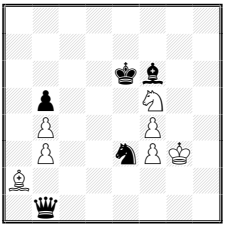
**H≠2 (10+5) C+**
**3 sol.**

**4750. A. Pankratiev & I. Antipin**



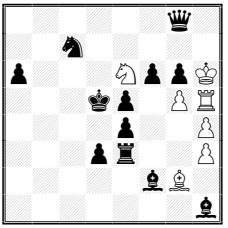
**H≠3 (3+5) C+**
**2 sol.**

**4751. C.J.A. Jones**
Gran Bretagna



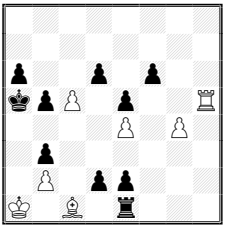
**H≠3 (7+5) C+**
**2 sol.**

**4752. A. Pankratiev & E. Gavriliv**
/ Ucraina



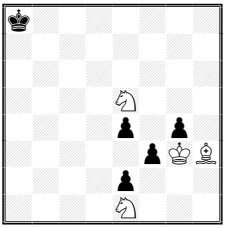
**H≠3 (7+12) C+**
**b) ♙g5-d3**

**4753. V. Barsukov**



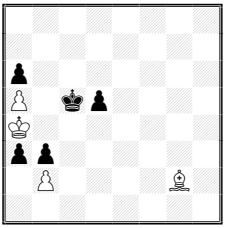
**H≠3 (7+10) C+**
**b) ♘c1**

**4754. P. Tritten & R. Wiehagen**
Francia / Germania



**H≠3,5 (4+5) C+**
**b) ♘e1-d2**

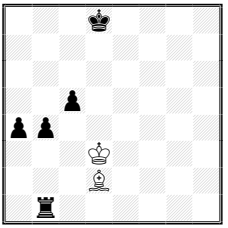
**4755. V. Barsukov**



**H≠4 (4+5) C+**
**b) ♗g2-a5**

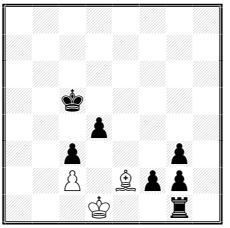
**H≠2, H=2, n. 4744-4749** (Judge 2022-2023: NN).
**H≠2,5/H≠3, H=2,5/H=3, n. 4750-4753** (Judge 2022-2023: NN).
**H≠n, n. 4754-4759** (Judge 2022-2023: Antonio Garofalo).

**4756. A. Kirichenko & A. Pankratiev**



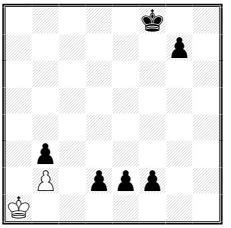
**H≠5 (2+5) C+**
**1 sol.**

**4757. M. Degenkolbe**
Germania



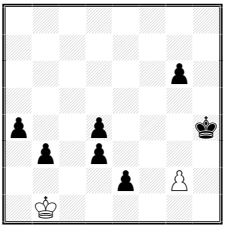
**H≠6,5 (3+7) C+**
**1 sol.**

**4758. F. Magini**
Italia



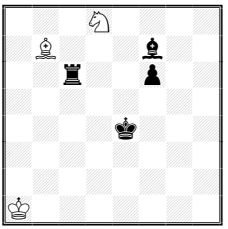
**H≠7 (2+6) C+**
**1 sol.**

**4759. G. Jordan**
Germania



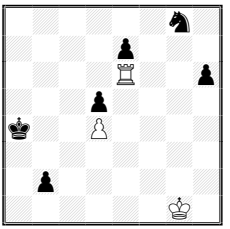
**H≠7 (2+7) C+**
**1 sol.**

**4760. H. Nieuwhart**
Olanda



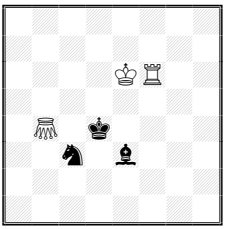
**H≠3 (3+4) C+**
**2 sol.**
Take & Make, PWC

**4761. V. Barsukov**



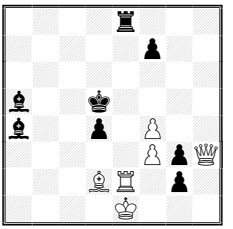
**sh≠12 (3+6) C+**
**1 sol.**

**4762. N. Danstrup**
Danimarca



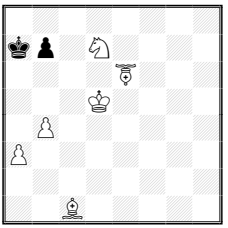
**H≠3,5 (3+3) C+**
**2 sol.**
=Grasshopper

**4763. A.V. Styopochkin**



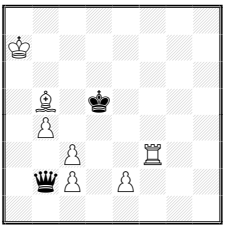
**hs≠3 (6+8) C+**
**2 sol.**

**4764. L. Kekely**
Slovacchia



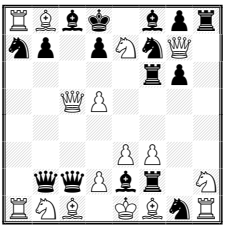
**Pser-h≠22 (6+2) C+**
**=Vao**
Transmuting Kings

**4765. O. Pandar**
Turchia



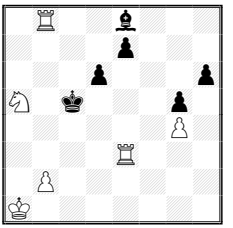
**H≠2 (7+2) C+**
**3 sol.**
Equipollent Circe

**4766. H. Grudzinski**
Polonia



**SPG 17.5 (16+16)**
PWC

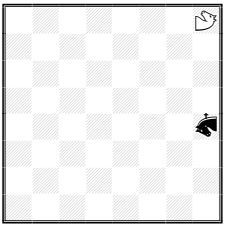
**4767. J.F. Carf**
Francia



**Pser-S≠10 (6+6)**
C+ dall'autore

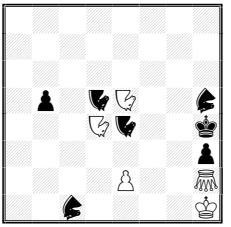
**H≠n, n. 4754-4759** (Judge 2022-2023: Antonio Garofalo).
**Fairies n. 4760-4771** (Judge 2022: NN).

**4768. S. Luce**
Francia



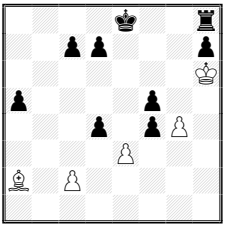
**H≠12,5 (1+1) C+**
**b) ♘h8→h7**
[h4 = Royal unit]
Haan, Maximum
🐍=Cobra, ♘=Antilope

**4769. K. Solja**
Finlandia



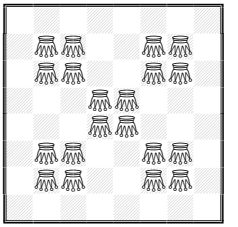
**hs≠3,5 (5+7) C+**
**b) ♘h2**
Parrain Circe
♘=Gnu, ♘🐍=Zebre
♖=Locusta, ♞=Giraffe

**4770. S. Luce**
Francia - *Dedicated to Alberto Armeni*



**S=10 (5+9) C+**
Maximum

**4771. S. Luce**
Francia - *Dedicated to Roméo Bédoni*



sd-auto=29 (20+0) C+
Alphabetic chess
Growing men White
♖=Grasshoppers

**Fairies n. 4760-4771** (Judge 2022: Gunter Jordan).

## Note agli inediti (Fairy elements)

sh = Problema aiutomatto a serie (Serie helpmate/helpstalemate).
hs = helpselfmate.
sd = Problemi diretti a serie (Serie direct)

• **Alphabetic Chess (Alphabétiques)** - Each move of either side must be by the piece occupying the first square in the order of a1, a2, a3...b1, b2, b3...c1, c2, c3... etc., which is able to make a legal move. Castling is permitted if the King has the right to make a legal alphabetical move, provided the usual other rules for that move are obeyed.

• **Circe equipollent:** Lorsqu'une pièce est capturée (Roi excepté, sauf indication contraire), elle doit effectuer le même mouvement que la pièce capturante à partir de la case où elle se trouvait avant la capture. Si elle arrive sur une case occupée ou en dehors de l'échiquier, la pièce capturée disparaît. [**Equipollent Circe:** When a capture is made, the captured unit (except a King) is immediately reborn equipollent (same distance, same direction) to the capturing move. Example: ♖h1x♞h3, then ♞ is reborn on h5. If the equipollent square is not empty, the captured unit vanishes.]

• **Circe Parrain:** After a capture, the captured piece is reborn only after another piece of its own side has moved. The line between capturing square and rebirth square is parallel with and of same direction and length as the move of this other piece. Pawns can be rebom on 1st and 8th rank. From their own base rank, they may move one-step; if reborn on the promotion rank, the Pawn at once promotes, the promotion piece being determined by the Pawn side.

• **Growing men blanc (White):** Une pièce blanche ne peut jouer un coup plus court que le précédent coup qu'elle a effectué. [A white piece cannot play a shorter move than the previous move it has done.]

• **Haan:** Ogni casa lasciata non può essere più né occupata, né attraversata.

• **Maximum (=Maximummer):** Black must play his geometrically longest move or may choose from among longest moves of equal length, distances being measured from the centre of each square. (**White Maximummer** = Only White must play the longest moves, as says above.)
• **Pser:** Problema a serie, parziale. Durante una normale serie di mosse il Nero può dare scacco, il quale viene parato da una mossa bianca, dopo di che la serie prosegue.
• **PWC - Interchange Circe** (German **PlatzWechselCirce**): A captured unit is reborn, according to **Circe** rules, on the departure square of the capturing unit. (Quando viene fatta una cattura, l'unità catturata viene piazzata nella casa del pezzo che l'ha appena catturata, in pratica scambiandosi il posto con il pezzo catturante.
• **Transmuting King:** A King which, when in check, takes the power(s) of the checking unit(s) in place of its own.
•**Take & Make:** After any capture, the capturing unit **must** make a move that could be made by the captured unit, and this move cannot be another capture.

• **Antelope (Antilope):** 3:4 Leaper.
• **Cobra:** Double runner (Coureur double) (0,1; 1,1)
• **Giraffa:** 1:4 Leaper. Pezzo saltatore con movimento 1,4. Per esempio a1→b5
• **Gnu:** 1:2 / 1:3 Leaper. Pezzo saltatore; per esempio: a1→b3/b4
• **Grasshopper:** Moves along Queen-lines over another unit of either colour to the square immediately beyond that unit. A capture may be made on arrival square, but the hurdle is not affected.
• **Locust:** Moves on Queen-lines but only by capturing an enemy unit, arriving on the square immediately beyond that unit.
• **Royal unit:** A unit having the function but not the move of a King. A threat to capture it is check, and if this threat cannot be removed the position is one of checkmate.
• **Vao:** The Chinese Bishop, which moves like a normal Bishop but captures like a Bishop-Lion.
• **Zebra:** 2:3 Leaper. Pezzo saltatore; per esempio: a1→c4

# Soluzioni Inediti

Fascicolo n. 102

Commenti degli autori e del redattore.

**4732. (=2, Alberto Armeni)**
3k4/8/2PK2p1/7P/4BN2/8/8/8
1.♗xg6? Tempo ma 1…♔c8!
1.♘xg6? Tempo 1…♔c8 2.c7= ma 1…♔e8!
1.c7+? A ma 1…♔e8! a 1.♘e6+? B ma 1…♔c8! b
1.hxg6! Tempo
1…♔c8 b 2.c7= A 1…♔e8 a 2.♘e6= B Theme Banny.
**4733. (≠2, Béla Majoros)**
3QbN1b/1r6/1RppN3/3kpp2/1R6/5PB1/6K1/8
1.♕g5! [2.♕d2‡]
1…e4 2.fxe4‡ 1…f4 2.♖d4‡
1.♕a8! [2.♕a2‡]
1…♖a7 2.♖6b5‡ 1…c5 2.♘c7‡
Theme Hirlap: "Change of half-pin in two phases of a twomover."

**4734. (≠2, Gerhard Maleika)**
7q/8/p7/1r1Q2n1/1B1p4/nPNkP1p1/3N1P2/2K1R3
1.♘db1? [2.♖d1‡] ma 1…gxf2!
1.♘f1? [2.♖d1‡] ma 1…♖xb4!
1.♘de4? [2.♖d1‡] ma 1…♘f3!
1.♖d1! (2.♘d2~‡)
1.♘e4 2.♘dxe4‡ ♕xe4‡ 1.♘f3 2.♕e4‡ ♘xf3‡
1.♕h5 2.♘f3‡ ♕xd4‡ 1.♕h1 2.♕xd4‡ ♘f1‡
1.gxf2 2.♘f1‡ ♘c4‡ 1.♘c4 2.♘xc4‡ ♕xc4‡
1.♘b1 2.♕c4‡ ♘dxb1‡ 1.♖xb4 2.♘db1‡ ♘de4‡
Ein 8 gliedriger Zyklus von Dualen (Author)
Ciclo di duali in 8 varianti.

**4735. (=2, Gerhard Maleika)**
K4R2/1N5Q/2kPr1p1/Pp4P1/1P2P3/5B1p/7B/8
1…♖xd6 **a** 2.♘xd6= **A** 1…♖e7 **b** 2.♕xe7= **B** 1…♖xe4 c 2.♕f7= **C**
1.♕xh3! [2.♕xe6=]
1…♖xd6 **a** 2.♗xd6= **D** 1…♖e7 **b** 2.dxe7= **E** 1…♖xe4 c 2.♕e6= **F**
[1…♔d7 2.e5= 1…♖f6 2.♖xf6= 1…♖e8+ 2.♖xe8= 1…♖e5 2.♗xe5=]
Suite di stalli cambiati.

**4736. (≠2, Francesco Simoni & Marco Guida)**
4q3/7B/3bpPN1/1p1p2Rb/1P1kN3/1Pp1R3/2P1pP2/4K3
1.♘h8? [2.♖d3‡] 1…dxe4 2.♖xe4‡ but 1…♕g6! a, ♗g6! **b**
1.♘h4? [2.♖d3‡] 1…♗g6 **b** 2.♘f3‡ **B** 1…dxe4 2.♖xe4‡? but 1…♕g6! **a**
1.♘f8? [2.♖d3‡] 1…♕g6 **a** 2.♘xe6‡ **E** 1…dxe4 2.♖xe4‡? but 1…♗g6! **b**
1.♘e7? [2.♖d3‡]?1…♕g6 **a** 2.♘c6# **A** 1…dxe4 2.♖xe4‡? but 1…♗g6! **b**
1.♘xc3? [2.♖d3‡]?1…♕xg6 **a** 2.♘xb5‡ **C** 1…♗xg6 **b** 2.♘xe2‡ **D** but 1…♗xb4!
1.♘e5? [2.♖d3‡] 1…♕g6 **a** 2.♘c6‡ **A** 1…♗g6 **b** 2.♘f3‡ **B** but 1…dxe4!
1.♘f4! [2.♖d3‡] 1…♕g6 **a** 2.♘xe6‡ **E** 1…♗g6 **b** 2.♘xe2‡ 1…dxe4 2.♖xe4‡
A total of 7 phases, 6 of which showing 2x theme of WCCT-11, with all defenses on the same square and an introductory Try with double-refutation.
Zagoruiko 3x2 across 5th Try (1.♘xc3?, sole WCCT-11 non-thematic phase), 6th Try (1.♘e5?) and Solution (1.♘f4!). All mates are by ♘.
Mates (A) in 3rd Try (1.♘e7?) and (E) in 4th Try (1.♘f8?) are played by the same ♘ that plays mates (A) and (E) in 6th Try and in Solution respectively, and on the same landing squares, but from different departing squares. (Authors)

**4737. (≠2, Daniele Gatti)**
n4b2/1BP1P1p1/1P3Pp1/2pN2p1/1PNpKPR1/2P1P3/7p/7k
1.♔e5? Tempo, ma 1…d3!
1.♔d3! Tempo
1…♘xb6 2.♘dxb6‡ 1…♘xc7 2.♘xc7‡ 1…♗xe7 2.♘xe7‡ 1…dxc3 2.♘xc3‡
1…cxb4 2.♘xb4‡ 1…gxf4 2.♘xf4‡ 1…gxf6 2.♘xf6‡ 1…dxe3 2.♘dxe3‡
Author Comment: Position legality proofed. The problem's purpose is to show a task which seems not having been composed yet: a white Knight's wheel in which every possible square of the wheel is already occupied by a white pawn on the initial position.
Una Rosa di Cavallo bianco piuttosto originale. (NdR)

**4738. (≠3, Steven B. Dowd)**
5KB1/N1p5/2P1p1P1/8/p2kP3/P5p1/4Q1P1/8
1.♗f7! Tempo
**1…♔c3 2.♘b5+** ♔b3 3.♗xe6‡
**1…♔c5 2.♕e3+** ♔c4 3.♗xe6‡ 2…♔d6 3.♕d4‡
1…e5 2.♔e7 **♔c3 3.♘b5‡**
2…**♔c5 3.♕e3‡**
1…♔e5 2.♕e3 ♔d6 3.♕d4‡ 2…♔f6 3.♕f4‡
Babushka theme (white and black), in bold and underlined.

**4739. (≠3, Leonid Lyubashevsky & Leonid Makaronez)**
4RN1b/Q3p2K/1ppp1PN1/3k1B2/1Pp5/2nrr1P1/8/6B1
1.♕xb6? [2.♕c5+ dxc5 3.♖d8‡]
1…♘b5 2.♖d8 [3.♕c5‡] 1…♖e6 2.♘xe6 [3.♘ef4‡ 3.♘c7‡]
1…c5 2.♘e6 [3.♕b7‡] 2…♖xe6 3.♕b7‡ 2.♕b7+ ♔d4 3.♘e6‡ ma 1…♘a4!
1.♕xe7! [2.♕e5+ ♖xe5 3.♘f4‡ 2…dxe5 3.♖d8‡]
1…♗xf6 2.♘f4+ ♔d4 3.♕xf6‡ 1…♖d4 2.♕f7+ ♖e6 3.♕xe6‡
1…♖xe7+ 2.♘xe7+ ♔e5 3.♘d7‡ 1…♔d4 2.♕xd6+ ♘d5 3.♕e5‡
1…c5 2.♕b7+ ♔d4 3.♘e6‡ 1…♘e2 2.♕e4+ ♖xe4 3.♗xe4‡
1…♘e4 2.♕xe4+ ♖xe4 3.♗xe4‡ 1…♘b5 2.♕e4+ ♖xe4 3.♗xe4‡
Changed mates, Pinning, Inclusion. (Authors)

**4740. (≠3, Leonid Lyubashevsky & Leonid Makaronez)**
6K1/p2N1QP1/B1ppr1pb/R1Bk4/1Pn3p1/4p2N/2PrP3/8
1.c3! [2.♘f6+ **A** ♔e5 3.♗d4‡ **B**]
1…gxh3 2.♗d4+ **B** **♘xa5** 3.♘f6‡ **A**
2…**♔e4** 3.♕f3‡ 2…c5 3.♗b7‡
1…**♘xa5** 2.♘f8 [3.♕xe6‡]
1…**♔e4** 2.♕xe6+ ♘e5 3.♘f6‡
1…dxc5 2.♘xc5 [3.♕xe6‡] ♔d6 3.♘b7‡
1…♗xg7 2.♘g5 [3.♕xe6‡]
1…♗g5 2.♘xg5 [3.♕xe6‡]
Babushka theme, indicato in grassetto (bold).

**4741. (≠3, Gérard Doukhan)**
1b3R2/4p1p1/rP3Pp1/1PPNpNP1/1pK1kp1P/1P5B/2p3P1/2B5
1.♗g4? **F** [2.♘dxe7 **E** [3.♗f3‡]
2.♘fxe7 **D** [3.♗f3‡]
2.fxg7 **C** [3.♗f3‡]]
2.♘xg7 **B** [3.♗f3‡]
2.fxe7 **A** [3.♗f3‡]
ma 1…♖a3! **a**
1.fxe7? **A** [2.♗g4 **F** [3.♗f3‡]]
1…♖a3 **a** 2.♘xg7 **B** [3.♘f6‡] ma 1…♖xb6!
1.♘xg7? **B** [2.♗g4 **F** [3.♗f3‡]]
1…♖a3 **a** 2.fxe7 **A** [3.♘f6‡] ma 1…e6!
1.fxg7? **C** [2.♗g4 **F** [3.♗f3‡]]
1…♖a3 **a** 2.♘fxe7 **D** [3.♘f6‡] ma 1…♖xb6!

1.♘fxe7? **D** [2.♗g4 **F** [3.♗f3‡]]
1…♖a3 **a** 2.fxg7 **C** [3.♘f6‡]
1…♖a7 2.fxg7 [3.♘f6‡] ma 1…♗d6!
1.♘dxe7! **E** [2.♗g4 **F** [3.♗f3‡]]
1…♖a3 **a** 2.♖xb8 [3.♘d6‡] gxf5 3.♗xf5‡ changed mate.
1…♖a7 2.bxa7 [3.a8=♕‡] ♗xa7 3.♘d6‡
Retro: As the 2 black pawns e7 and g7 have not moved from their squares, the black bishop f8 has been taken from its original square. The black bishop b8 is the promotion of the pawn a7. Black have taken 2 pieces (the Queen and a White Rook). White have taken 5 pieces (the Queen, one Rook, ONE Bishop and the 2 Knights. The position is valid.
• Quiet moves
• Quintuple theme threat reversal (F/A, F/B, F/C, F/D, F/E) for which the refutation is the thematic defense.
• Quadruple theme Dombrovskis between tries 1.♗g4? & 1.fxe7?, 1.♗g4? & ♘xg7?,1.♗g4? & 1.♘xg7?, 1.♗g4? & 1.♘fxe7?
• The four tries (1.fxe7?, 1.♘xg7?, 1.fxg7? & 1.♘fe7?) present Theme Reversal (Salazar) doubled, very rare.
• Change of strategy after the key with a fifth changed mate after defense 1...♖a3 (Author)

**4742. (S≠2, Gunter Jordan)**
8/5pp1/1N2PPqp/1N3Bp1/1p2Qp2/1k2P3/1p4P1/1K6
1.♕f3? [2.♗c2+ ♕xc2‡] ma 1…♕xf5+! **A** ♕xf6! **B**
1.♗h3? [2.♕xc2‡ 2.♕d3+] ma 1…♕xf6! **B** ♕h5! **C**
1.♕e5? [2.♗c2+ ♕xc2‡] ma 1…♕h5! **C** ♕xf5+! **A**
1.♕d4! [2.♗c2+ ♕xc2‡]
1…♕xf5+ **A** 2.♕d3+ ♕xd3‡ 1…♕xf6 **B** 2.♕xb2+ ♕xb2‡ 1…♕h5 **C** 2.♕d1+ ♕xd1‡
New (?) selfmate theme: Cyclic double-defences, that re-appear in the solutions. (Author)

**4743. (S≠2, Vladimír Koci)**
8/2p1q3/p2pP1n1/P6p/RK1k3r/PPp2Qr1/2P1Rp2/b3B3
1.♗xc3+? ma 1…♗xc3+! 1.♕d3+? ma 1…♖xd3!
1.♕e4+? ma 1…♖xe4! 1.♕d5+? ma 1…♔xd5+!
1.♕c6? [2.♕c5+ dxc5‡] 1…♖e3 2.♕d5+ ♔xd5‡ ma 1…♖g5!
1.♕f5! [2.♕c5+ dxc5‡]
1…♘e5 2.♕xe5+ dxe5‡ 1…♖e3 2.♕d5+ ♔xd5‡ 1…♖g5 2.♗xc3+ ♗xc3‡

**4744. (H≠2, Fabio Magini)**
8/2b5/1p2NN2/3nrp2/3r4/1p2k1K1/3pb3/8
1.♘b4 ♘f4 2.♘d3 ♘g2‡ 1.♗d3 ♘g4+ 2.♔e4 ♘g5‡
1.♖d3 ♘d4 2.b2 ♘c2‡ 1.b5 ♘g4+ 2.♔e4 ♘c5‡

**4745. (H≠2, Stanislav Hudak)**
8/6pb/4ppk1/3NBp2/8/5K2/8/7r
1.♖h6 ♗xf6 2.♔h5 ♘f4‡ 1.f4 ♗xf4 2.♔f5 ♘e7‡ 1.♔h6 ♘xf6 2.♗g6 ♗f4‡
Baltic theme (Author)

**4746. (H≠2, Valery Barsukov)**
b7/8/2p2n2/1R6/2rk4/5B2/3B3K/8
1.♖c5 ♗e4 2.♔c4 ♖b4‡ 1.♘d7 ♖b3 2.♘e5 ♗e3‡ 1.♗b7 ♗xc6 2.♘e4 ♖d5‡
An engraving without white pawns, model rook-bishop mates. (Author)

**4747. (H≠2, Eligiusz Zimmer)**
8/8/np6/1Pk4B/1p6/1K2P3/3B4/8
1…♗xb4+ 2.♔xb5 ♗e8‡ 1.♘c7 ♗f3 2.♘xb5 ♗xb4‡

**4748. (H≠2, Alexandre Pankratiev & Evgeny Gavriliv)**
1bb5/n5q1/3BBR2/1P2P2K/4k1P1/rnP3p1/r4P1P/8
1.♘d4 c4 **a** 2.♖d3 ♗d5‡ **b** 1.♕xf6 ♗d5+ **b** 2.♔f4 hxg3‡ **c**
1.♖d2 hxg3 **c** 2.♖d3 ♖f4‡ **d** 1.♗xe6 ♖f4+ **d** 2.♔d5 c4‡ **a**
Cycle of moves (W1/W2). Cycle of pieces (W1/W2). Play on the same square (B2, 2).
Model mate × 2 (Helpmates Analyzer)

**4749. (H≠2, Kivanç Cefle)**
1K6/2p3pQ/2P3P1/P4qP1/kB4P1/P4p2/P7/8
1.♕xg5 ♕h5 2.♕xa5 ♕xa5‡ 1.♕xg6 ♕h6 2.♕xc6 ♕xc6‡ 1.♕xg4 ♕h4 2.♕xb4+ ♕xb4‡

**4750. (H≠3, Alexandre Pankratiev & Ivan Antipin)**
8/8/2p5/4p3/1K1Rn3/3p1k2/4N3/8
1.♔xe2 ♖xe4+ 2.♔d1 ♔c3 3.♔c1 ♖e1‡ 1.♔e3 ♖d5 2.cxd5 ♘g3 3.♔d4 ♘f5‡ Zilahi

**4751. (H≠3, Christopher J.A. Jones)**
8/8/4kb2/1p3N2/1P3P2/1P2nPK1/B7/1q6
1.♘c4 bxc4 2.♕b3 cxb5 3.♔d5 ♗xb3‡ 1.♕e4 fxe4 2.♘d5 exd5+ 3.♔xf5 ♗b1‡

**4752. (H≠3, Alexandre Pankratiev & Evgeny Gavriliv)**
6q1/2n5/p3NppK/3kp1PR/4p2P/3pr2P/5bB1/7b
a) 1.♗xh4 ♗xe4+ 2.♔xe4 ♘d4 3.♕d5 ♖xh4‡
b) 1.♖xh3 ♖xe5+ 2.♔xe5 d4+ 3.♔f5 ♗xh3‡
Active sacrifice (black, delayed) × 2. Active sacrifice (white) × 2.
Chumakov theme (rp, 2). Exchange of functions (bPe4/bPe5, Captured / Passive self-block).
Exchange of functions (wBg2/wRh5, Active sacrifice / Mate).
Helledie theme × 2. Kniest theme. Play on the same square (W2, 2).
Zilahi (active, RB, 2). (Helpmates Analyzer)

**4753. (H≠3, Valery Barsukov)**
8/8/p2p1p2/kpP1p2R/4P1P1/1p6/1P1pp3/K1B1r3
a) 1.d1=♗ c6 2.♔b6 ♖h8 3.♔a7 ♗e3‡ b) 1.d5 ♖xe5 2.dxe4 ♖xe4 3.d1=♘ ♘xb3‡
Forsberg twins with respect to the untied white pieces; the transformation of the black pawn into pieces identical to the untied white pieces; model mates. (Author)

**4754. (H≠3.5, Pierre Tritten & Rolf Wiehagen)**
k7/8/8/4N3/4p1p1/5pKB/4p3/4N3
a) 1…♘g2 (♗g2?) 2.fxg2 ♘d7 3.g1=♗ ♗g2 4.♗a7 ♗xe4‡
b) 1…♗f1 (♘f1?) 2.exf1=♗ ♘c6 3.♗a6 ♘c4 4.♗b7 ♘b6‡

**4755. (H≠4, Valery Barsukov)**
8/8/p7/P1kp4/K7/pp6/1P4B1/8
a) 1.d4 ♔xb3 2.d3 ♔c3 3.♔b5 b4 4.♔a4 ♗c6‡
b) 1.a2 ♔xb3 2.♔b5 ♔c3 3.♔a4 b3+ 4.♔a3 ♗b4‡
Engraving, model mates. (Author)

**4756. (H≠5, Anatoly Kirichenko & Alexandre Pankratiev)**
3k4/8/8/2p5/pp6/3K4/3B4/1r6
1.♔c7 ♗xb4 2.♔b6 ♗a3 3.♔a5 ♔c4 4.♖b6 ♔xc5 5.♖a6 ♗b4‡
Annihilation. Klasinc theme (wB-bR). Kozhakin theme. Long-trip (wB, 3).
Switchback (wB, captureless, 1). Ideal mate. Epaulette mate. (Helpmates Analyzer)

**4757. (H≠6.5, Mirko Degenkolbe)**
8/8/8/2k5/3p4/2p3p1/2P1Bpp1/3K2r1
1…♗f1 2.d3 cxd3 3.♔d4 ♔c2 4.♔e3 ♗xg2 5.♔e2 ♗f3+ 6.♔f1 ♔d1 7.g2 ♗e2‡
Return of the white king. Rundlauf of the white Bishop. Every white move has exactly the same length. Block change to g2. Model mate. (Author)

**4758. (H≠7, Fabio Magini)**
5k2/6p1/8/8/8/1p6/1P1ppp2/K7
1.d1=♘ ♔b1 2.♘c3+ bxc3 3.e1=♗ c4 4.f1=♖ c5 5.♖f7 c6 6.♗h4 c7 7.♗d8 cxd8=♕‡
Ceriani-Frolkin, Excelsior, AUW

**4759. (H≠7, Gunter Jordan)**
8/8/6p1/8/p2p3k/1p1p4/4p1P1/1K6
1.d2 ♔b2 2.d1=♗ ♔c1 3.e1=♖ ♔d2 4.♖e5 ♔d3 5.♖h5 ♔e4 6.♗g4 ♔f4 7.♗h3 g3‡
Kindergarten, Minimal (B), Unterverwandlung (tl), Selbstblock, Mustermatt. (Author)

**4760. (H≠3, Hans Nieuwhart)**
3N4/1B3b2/2r2p2/8/4k3/8/8/K7
1.♔f3 ♗xc6(♗c2;♖b7) 2.♖b3 ♗xb3(♗e3;♖c2) 3.♔xe3(♔c1;♗f3) ♘xf7(♘b3;♗d8)‡
1.♔d4 ♗xc6(♗c5;♖b7)+ 2.♔xc5(♔a3;♗d4) ♘xb7(♘b6;♖d8) 3.♗b3 ♗c5‡

**4761. (Serie-H≠12, Valery Barsukov)**
6n1/4p3/4R2p/3p4/k2P4/8/1p6/6K1
1.h5 2.♘h6 3.♘f5 4.♘xd4 5.♘b5 6.d4 7.d3 8.d2 9.d1=♗ 10.b1=♖ 11.♖b4 12.♗b3 ♖a6‡

**4762. (H≠3.5, Niels Danstrup)**
1…♕e4 2.♘d5 ♕c6 3.♘b6 ♖f5 4.♘c4 ♖d5‡
1…♔d7 2.♔c5 ♖b6 3.♗d4 ♕b7 4.♘b5 ♖c6‡

**4763. (hs≠3, Anatoly V. Styopochkin)**
4r3/5p2/8/b2k4/b2p1P2/5PpQ/3BR1p1/4K3
1.♖e7 ♔d6 2.♕h6+ ♔xe7 3.♕d6+ ♔xd6‡
1.♗c3 ♔c4 2.♕e6+ ♔xc3 3.♕c4+ ♔xc4‡

**4764. (Pser-h≠22, L'ubos Kekely)**
1.b5 2.♔b7 3.♔c7 4.♔xd7 (4.♔d8?) 5.♔e7 6.♔f6 7.♔f5 8.♔g4 9.♔f3 10.♔e2 11.♔d1 12.♔xc1 13.♔b2 14.♔xa3 15.♔xb4 16.♔a4 17.b4 18.b3 19.b2 20.b1=♗ 21.♗a2+ ♔c6 22.♗b3 Vd7‡ Meredith. Long walk of black king. Excelsior. Underpromotion. (Author)

**4765. (H≠2, Okan Pandar)**
8/K7/8/1B1k4/1P6/2P2R2/1qP1P3/8
1.♕xc2(d2) d4 2.♔e4 ♗c6‡
1.♕xb4(b6) ♖d3+ 2.♔c5 ♖d5‡
1.♕xc3(d4) ♖f5+ 2.♔xd4(d3) e3‡

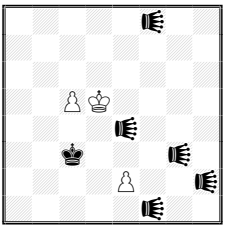
**4766. (SPG 17.5, Henryk Grudzinski)**
RBbk1bpr/np1pNnQ1/5rp1/2QP4/8/4PP2/1qqPbr1N/RNB1KBnR
1.e3 h5 2.♕xh5(♗d1) ♗e2 3.♕f3 ♖xh2(♕h8) 4.♕xb7(f3) fxg2(f3) 5.♕xa7(b7) gxh1=♕(♖g2) 6.♕d4 ♖xa2(♖a8) 7.♕dxg7(d4) dxe3(d4) 8.d5 exf2(e3)+ 9.♔xf2(♖e1) ♕xg2(♖h1)+ 10.♔xe1(♖f2) ♕g6 11.♕xh2(♖h8) ♕xc2(g6) 12.♕xc7(h2) hxg1=♘(♘h2) 13.♕c5 ♕b6 14.gxf7(g6)+ ♔d8 15.fxg8=♘(♘f7) ♕bxb2(b6) 16.♘xe7(g8) ♖a7 17.bxa7(♖b6) ♖f6 18.axb8=♗(♘a7)
There are four white promotions: 3...wQh8, 6...wRa8, 15...fxg8=wN, 18.axb8=Wb. And there are four black promotions: 2.Qxh5(+BPd1=B), 5...gxh1=bQ(+wRg2), 9.Kxf2(+bPe1=R), 12...hxg1=bN. Babson Task performed by white and black. (Author)

**4767. (Pser-S≠10, Jean-François Carf)**
1R2b3/4p3/3p3p/N1k3p1/6P1/4R3/1P6/K7
1.♔b1 2.♔c2 3.♔d3 4.♔e4 5.♔f5 6.♖e4 7.b4+ ♔d5 8.♖b5+ ♗xb5 9.♖e3 10.♖d3+ ♗xd3‡
**4768. (H≠12.5, Sébastien Luce)**
a) 1…ANe4 2.CORb1 ANb8 3.CORe8 ANf5 4.CORc3 ANc1 5.CORh1 ANg4 6.CORd3 ANc7 7.CORf8 ANf3 8.CORd4 ANb6 9.CORa3 ANe2 10.CORf1 ANa5 11.CORb3 ANd1 12.CORd8 ANg5 13.CORf4 ANc8‡
b) 1…ANd4 2.CORa7 ANh1 3.CORd1 ANe5 4.CORg8 ANa2 5.CORd2 ANd6 6.CORa8 ANh3 7.CORh5 ANe7 8.CORb8 ANa4 9.CORc5 ANe1 10.CORg3 ANb5 11.CORf6 ANf8 12.CORc7 ANc4 13.CORd5 ANg1‡
Definition: *The Cobra is a double rider (0,1 ; 1,1).*
Did you ever see an Antelope devouring a royal Cobra ??! It is possible here with the condition Haan which reduces progressively the freedom of the proud snake, mated both times on the center. (Author)
**4769. (hs≠3.5, Kenneth Solja)**
8/8/8/1p1^n^N2d/3^N^n2k/7p/4P2^Q/2d4K
a) 1…GIg2 2.Za2 GIf6 3.Zc5 GIxe2 4.Zxe2+ Rg4(GId2)‡
b) 1…Zg3 2.Zeg2 GIxg2 3.GNf1(Ze1) GIxd4 4.GNxg3(Ze6)+ Rg5(Zf4)‡
Black King causes the mate in his last move, always to different square. (Author)
**4770. (S=10, Sébastien Luce)**
*Dedicated to Alberto Armeni*, see annex.
4k2r/2pp3p/7K/p4p2/3p1pP1/4P3/B1P5/8
1.c4! 0-0 2.c5+ d5 3.cxd6 e.p.+ ♔h8 4.♗f7 ♖a8 5.♗e8 ♖xe8 6.dxc7 ♖xe3 7.c8=♘ ♖e8 8.♘e7 ♖a8 9.♘g6+ hxg6 10.g5 ♖g8=
Excelsior + Valladao. White promotion has to be to Knight "to cut" "e" file for black Rook on move eight, also to be sacrificed in g6 to force the maximum move 9…hxg6 (Author)
**Annex:** White: ♔c5 ♗h3 ♙g2; Black: ♚e8 ♜a8 ♜h7 ♝g8 ♞a5 ♟f7 ♟g7 ♟c6 ♟b4 ♟d4 ♟h4
Alberto ARMENI, Best Problems 2012, S=7 (3+11) C+, Maximum
1.g4! 0-0-0 2.g5+ f5 3.g×f6 e.p.+ ♗e6 4.f7 ♗xh3 5.f8=♕ ♗d7 6.♕xg7 ♗h3 7.♕b7+ ♖xb7=
**4771. (sd-auto=29, Sébastien Luce)**
*Dedicated to Roméo Bédoni*
1.**G**d2 2.**G**d1 3.**G**e3 4.**G**d7 5.**G**e2 6.**G**e1 7. **G**e8 8.**G**f4 9.**G**d6 10.**G**g8 11.**G**d8 12.**G**f8 13.**G**d8 14.**G**g4 15.**G**h3 16.**G**h7 17.**G**e4 18.**G**h4 19.**G**h1 20.**G**h5 21.**G**h6 22.**G**h8 23.**G**f3 24.**G**g5 25.**G**g1 26.**G**d4 27.**G**g1 28.**G**d3 29.**G**c3-auto=
Growing men blanc (White): Une pièce blanche ne peut jouer un coup plus court que le précédent coup qu'elle a effectué.
For the 20 of January, the day of St Sebastian, I wanted to make a twenty piece problem for my friend Roméo Bédoni, 94 years old, but always active in chess composition!

# Award Best Problems 2014 - Section Fairies

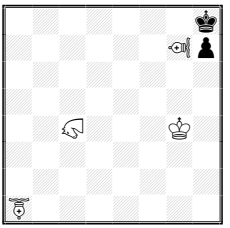
by Dragan Stojnic

**1st Prize**
**3301. V. Kotesovec**
Rep. Ceca



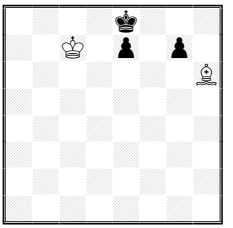
**Ser-H≠21 (3+6) C+**
**2 sol.** =Kangaroo

**2nd Prize**
**3303. C. J. Feather**
Gran Bretagna



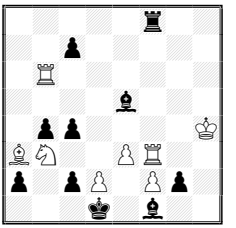
**Ser-H≠33 (4+2) C+**
PWC
=ContraBishopper
=Rose-Lion
=Nereid

**3rd Prize**
**3286. S. Luce**
Francia



**H≠3 (2+3) C+**
**b) ♗g7**
PWC, Take&Make

**1st Hon. Ment.**
**3347. A. Armeni**
Italia



**H=5 (8+10)**
**1 sol.**
Take & Make

**1st Prize 3301. Václav Kotesovec**

1.♔b4 2.KAa3 3.KAd6 4.KAc7 5.KAb8 6.KAa3 7.♔b5 8.KAa6 9.♔a5 10.KAa2 11.♔a6 12.KAa7 13.♔b7 14.KAa8 15.♔c8 16.KAd8 17.KAe8 18.♔d7 19.KAe7 20.KAf8 21.KAc8 c6≠
1.♔d2 2.KAc2 3.KAf2 4.♔e3 5.♔f4 6.♔f5 7.KAf6 8.KAf7 9.KAf4 10.♔g6 11.♔f7 12.♔e7 13.KAb4 14.KAg4 15.KAh4 16.KAd8 17.KAg5 18.♔f7 19.♔g6 20.♔f5 21.KAg6 e4≠

Analogical self-blocking maneuvres by Black Kangaroos in both solutions with 21-moves duration! Spectacle with only 9 pieces on the board.

**2nd Prize 3303. Chris J. Feather**

1…b2≠ 1.h6 2.♔g8 3.♔f7 4.♔xg7(f7) 5.♔f6 6.♔xf7(f6) 7.♔e6 8.♔xf6(e6) 9.♔e5 10.♔xe6(e5) 11.♔d5 12.♔e4 13.♔xe5(e4) 14.♔d4 15.♔c3 16.♔b2 17.♔xa1(b2) 18.♔a2 19.♔b3 20.♔xb2(b3) 21.♔c3 22.♔xc4(c3) 23.♔xb3(c4) 24.♔b4 25.♔c5 26.♔xc4(c5) 27.♔d4 28.♔xe4(d4) 29.♔d3 30.♔e2 31.♔f1 32.♔g2 33.♔h1, ♔g3≠

("A complete rose 360-degree route such as b4-c2-el-g2-h4-g6-e7-c6-b4 does make a kind of octagon, but since most rose moves are shorter than that, being blocked by the board edge or by other pieces, I don't think that it is a very helpful description. Obviously in the present problem a Contragrasshopper on 'a1' would create many cooks." Author)

Nel gioco apparente 1…Neb2≠ (Nereide va in b2). Ma il Nero deve muovere e quindi 1.h6! impedisce al Rose-Lion di controllare g8 usando come "ostacolo" il ♔ bianco; quindi 2.♔g8 diventa possibile. 30.♔e2 naturalmente è legale in quanto il Rose-Lion cattura solo i pezzi nemici oltre l'ostacolo.

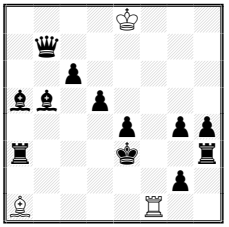
**3rd Prize 3286. Sébastien Luce**

4k3/2K1p1p1/7B/8/8/8/8/8
a) 1.♔f7 ♗xg7(♗g6;h6)+ 2.♔f8 ♗f7 3.♔xf7(♔e8;♗f8) ♗xh6(♗h5;f8)≠
b) 1.♗xh6(♗g5;♗g7) ♗f6 2.exf6(g7;♗e7) ♗f8 3.♗e7 ♗xg7(♗g6;f8)≠

Circuiti d'Alfiere.

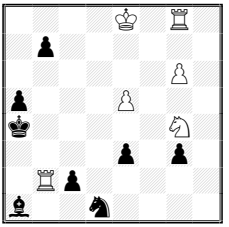
**1st Hon. Ment. 3347. Alberto Armeni**
5r2/2p5/1R6/4b3/1pp4K/BS2PR2/p1pP1Pp1/3k1b2
1.cxb3(♖a1) ♖f4 2.♗c4 ♖xc4(♖f1)+ 3.gxf1(♘e1) f4 4.bxa3(♖c1) fxe5(♕h8) 5.cxb6(♗b1) ♕xf8(♕f1)= Allumwandlung, White and Black Excelsior-Take&Make, Umnov in f1 (Author).

**2nd Hon. Ment.**
**3300. G. J. Perrone**
Argentina



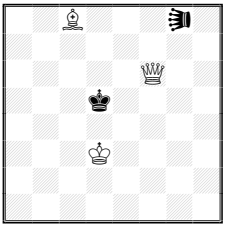
HS=4 (3+12) C+
**b) ♔e8-h8**

**3rd Hon. Ment.**
**3291. T. Ersek**
Ungheria



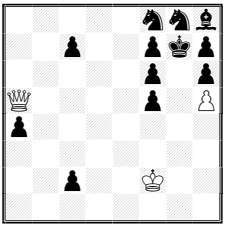
**H=5 (6+8) C+**
**1 sol.** Circe

**4th Hon. Ment.**
**3247. M. Caillaud**
Francia



**hs≠4.5 (3+2) C+**
**2 sol.** Edgehog

**5th Hon. Ment.**
**3197. C. J. Feather**
Gran Bretagna



**Ser-H≠3 (3+12) C+**
**4 sol.** PlatzWechselCirce

**2nd Hon. Ment. 3300. Gaspar J. Perrone**
4K3/1q6/2p5/bb1p4/4p1pp/r3k2r/6p1/B4R2
a) 1.♗h8 ♖d3 2.♖f6 ♔d4 3.♗g7 ♖he3 4.♖xc6+ ♕xg7=
b) 1.♖f8 ♗e2 2.♗f6 ♔f3 3.♖f7 ♖e3 4.♗xh4+ ♕xf7=
Indian, Grimshaw, tempo move (Author).

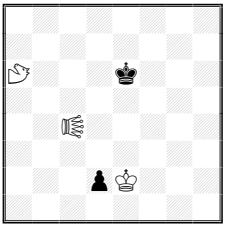
**3rd Hon. Ment. 3291. Tibor Ersek**
4K1R1/1p6/6P1/p3P3/k5N1/4p1p1/1Rp5/b2n4
1.♘f2 ♖xc2(c7) 2.♘xg4(♘b1) ♖xc7 3.♘xe5(e2) ♖xb7 4.♘xg6(g2) ♖b2 5.♘f4 ♖g4=
Circuito di Torre e bella manovra del Cavallo nero per arrivare a uno stallo in parte Circe.

**4th Hon. Ment. 3247. Michel Caillaud**
1…♝g2 2.♔e2 ♝h1 3.♔f1 ♔e4 4.♕e5+ ♔f3 5.♔g1 ♝g2≠
1…♝g7 2.♔c2 ♔c4 3.♕d6 ♝a1 4.♔b1 ♔c3 5.♗e6 ♝b2≠

**5th Hon. Ment. 3197. Chris Feather**
5nnb/2p2pkp/5p1p/Q4p1P/p7/8/2p2K2/8
1.c1=♕ 2.♕c3 3.♕xa5(♕c3) ♕xf6(c3)≠ 1.c1=♖ 2.♖c5 3.♖xa5(♕c5) ♕xf8(♘c5)≠
1.c1=♗ 2.♗d2 3.♗xa5(♕d2) ♕xh6(d2)≠ 1.c1=♘ 2.♘b3 3.♘xa5(♕b3) ♕xf7(b3)≠
Un gradevole AUW.

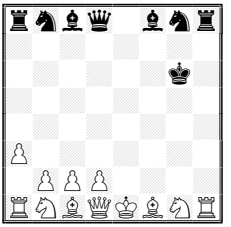
**6th Hon. Ment. 3333. Anatoly Styopochkin**
a) 1.d1=LI ♔d2 2.LId3 ♔c3 3.♔d5 ♔b4 4.♔e4 LIa4≠
b) 1.d1=AN LIf6 2.♔f5 ANd2 3.♔g5 ♔e3 4.ANh4 ♔f4≠
c) 1.d1=♘ ♔d3 2.♔d5 LIe2 3.♘f2+ LIg2 4.♘h3 ♔e4≠
d) 1.d1=♖ LIf1 2.♖d2+ ♔e3 3.♖d3 ♔e4 4.♖d4 ♔f5≠
e) 1.d1=♗ ♔d3 2.♗c2+ ♔d4 3.♔e5+ LIc1 4.♗b1 LIa1≠
Cinque promozioni diverse, manca solo la Regina.

**6th Hon. Ment.**
**3333. A. Styopochkin**



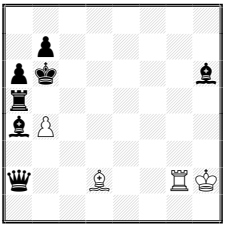
**H≠4 (3+2) C+**
b) ♞c4→d6 c) ♙a6→h1
d) ♙a6→h2 e) ♙a6→h8
Köko ; ♙=Antilope, ♞=Lion

**Comm. without order**
**3339. H. Grudzinski**
Polonia



**SPG 11.0 (12+8)**
Einstein

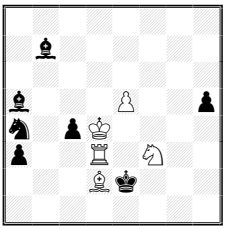
**Comm. without order**
**3343. V. Agostini**
Italia



**H≠2 (4+7) C+**
**2 sol.**
Take & Make

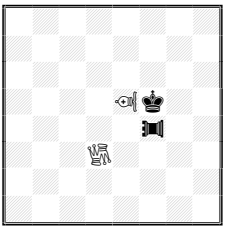
**Commendation 3339. Henryk Grudzinski**
rsbq1bsr/8/6k1/8/8/P7/1PPP4/RSBQKBSR
1.e4 f5 2.exf5(♘) h6 3.♘xh6(♗) ♔f7 4.♗xg7(♖)+ ♔f6 5.♖xe7(♕)+ ♔g6 6.♕xd7 ♖h4(♗) 7.♕xc7 ♗xf2(♖) 8.♕xb7 ♖xg2(♕) 9.♕xa7 ♕xh2 10.♕h7(♖) ♕xh7 11.a3 ♕h8(♖)
Circuito di torre.
**Commendation 3343. Valerio Agostini**
8/1p6/pk5b/r7/bP6/8/q2B2RK/8
1.♗f4+ ♗xf4(♗b8) 2.♖b5 ♖xa2(♖e6)≠ 1.♕g8 ♖xg8(♖c8) 2.♗b5 ♗xh6(♗e3)≠
Echo diagonal-orthogonal, black Grimshaw in b5 (Author).
**Commendation 3242. Pierre Tritten**
8/1b6/8/b3P2p/n1pK4/p2R1N2/3Bk3/8
1.♗e4 ♔xe4(♔f5) 2.♔xf3(♔h4) ♗xa5(♗d8)≠
1.♗d5 ♔xd5(♔g8) 2.♔xd2(♔h6) ♖d6≠ 1.♗c3+ ♔xc3(♔a1) 2.♔xd3(♔b3) ♘d4≠

**Comm. without order**
**3242. P. Tritten**
Francia



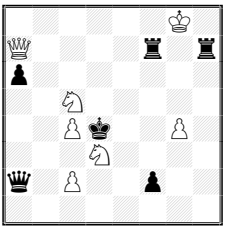
**H≠2 (5+7) C+**
**3 sol.**
Take & Make

**Comm. without order**
**3199. H. Grubert**
Germania



**Ser-H≠11 (2+2) C+**
**2 sol.** **b)** ♜f4-d3, ♘d3-e4
Equipollents Circe
♜=Rook Eagle, ♘=Sparrow,
⟲♝=Bishop Moose

**Comm. without order**
**3302. V. Agostini &**
**M. Parrinello** - Italia



**HS≠3 (7+6) C+**
**b) ♕a7-d1**

**Commendation 3199. Harald Grubert**
a) 1.♔xe5(♘d5) 2.♔d4 3.♔e3 4.♔xd3(♗c3) 5.♔c4 6.♔xd5(♘e6) 7.♔xe6(♘f7) 8.♔f6 9.♜g6 10.♔g7 11.♔h8 ♗g8≠
1.♔f6 2.♔xe5(♘d4) 3.♜xd3(♗b2) 4.♔xd4(♘c3) 5.♔c4 6.♔xc3(♘c2) 7.♔b4 8.♔a3 9.♜a2 10.♔xb2(♗c1) 11.♔a1 ♗b1≠
b) 1.♔e6 2.♔d5 3.♜c5 4.♔xe4(♗f3) 5.♔f4 6.♔xe5(♘d6) 7.♔xd6(♘c7) 8.♔c6 9.♜b6 10.♔b7 11.♔a8 ♗b8≠
1.♔g4 2.♔f3 3.♜f2 4.♔xe4(♗d5) 5.♔xd5(♗c6) 6.♔d6 7.♔xe5(♘f4) 8.♔xf4(♘g3) 9.♔f3 10.♔g2 11.♔h1 ♗h2≠
**Commendation 3302. Valerio Agostini & Mario Parrinello**
6K1/Q4r1r/p7/2N5/2Pk2P1/3N4/q1P2p2/8
a) 1.♘e6+ ♔e4 2.♕xf2 ♕a5 3.♘g5+ ♕xg5≠ b) 1.♘f4+ ♔e5 2.♕d8 ♕xc2 3.♘g6+ ♕xg6≠

**International Judge Dragan Stojnic** (Valjevo, SERBIA)
award finished February 10th 2022

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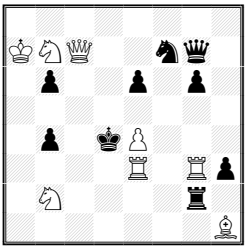
# Award Best Problems 2017/18 - Section ≠2

by Dragan Stojnic

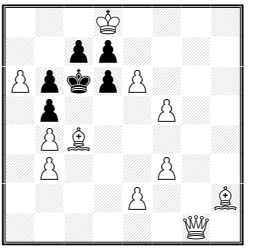
In the BP issues n.81-88 were published 78 mate in two moves.
After the first filter I choose 18 the most interesting candidates for inclusion in the the award. Unfortunatelly for problems 3961, 3995, 4055 and 4057 I found strong anticipatories (see Appendix). So of other 14 candidates for final selection I select 9 – one Prize, three Honourable Mentions and five Commendations.

**Prize 4050. P. Murashëv**



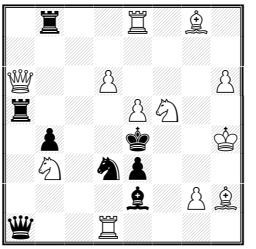
**≠2 vv (8+9) C+**

**1st Hon. Mention**
**3994. Z. Labai -** Slovacchia



**≠2 vvv (11+6) C+**

**2nd Hon. Mention**
**3795. V. Shanshin**



**≠2* (12+8) C+**

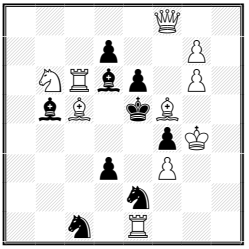
**Prize 4050. Pavel Murashëv**
8/KNQ2nq1/1p2p1p1/8/1p1kP3/4R1Rp/1N4r1/7B
1.♔xb6? [2.♕c5≠] **X** 1…♕e5 2.♕c4≠ **Y** 1…♖c2 2.♖d3≠ ma 1…♕f8!
1.♕f4? [2.♖d3≠] **A** (2.e5?) 1…♖xb2 **a** 2.e5≠ **B** 1…♖xg3 **b** 2.e5≠ **B** ma 1…♘e5!
1.e5! **B** [2.♕c4≠] **Y**
1…b5 2.♕c5≠ **X** 1…♖xb2 **a** 2.♖d3≠ **A** (♕xb6?) 1…♖xg3 **b** 2.♕xb6≠ (♖d3?) 1…♘xe5 2.♕d6≠ Erokhin, Pseudo-le Grand, dual avoidance. (Author)

**1st Hon. Mention 3994. Zoltán Labai**
3K4/2pp4/PpkpP3/1p3P2/1PB5/1P3P2/4P2B/6Q1
1.exd7? **A** tempo 1…d5 **a** 2.♕g6≠ **B** ma 1…bxc4! **c**
1.♕g6? **B** tempo 1…d5 **a** 2.exd7≠ **A** 1…dxe6 **b** 2.♕e8≠ ma 1…bxc4! **c**
1.♗d3? **C** tempo 1…d5 **a** 2.♕c1≠ **D** 1…♔d5 2.♗e4≠ ma 1…dxe6! **b**
1.♕c1! **D** tempo
1…d5 **a** 2.♗d3≠ **C** 1…dxe6 **b** 2.♗xe6≠ 1…bxc4 **c** 2.♕xc4≠
Reversal 2 double AB-BA,CD-DC. Changed mates 1…d5 (a) 4x1 1…dxe6 (b) 2x1 (Author).

**2nd Hon. Mention 3795. Valery Shanshin**
1r2R1B1/8/Q2P3P/r3PN2/1p2k2K/1N1np3/4b1PB/q2R4
1…♔xf5 2.♗h7≠ 1.♗h7! [2.♘e7≠]
1…♘xe5 2.♘g7≠ (2.♘e7? ♘g6! - Schiffmann)
1…♖xe5 2.♕c6≠ (2.♘e7? ♖f5! - Schiffmann)
1…♕xe5 2.♕c4≠ (2.♘e7? ♕f5! - Schiffmann)
1…♘f4 2.♘g3≠ 1…♔d5 2.♘xe3≠ 1…♗g4 / ♗h5 2.♕xd3≠
Correzione nera, Anti-Somov A1, Schiffmann (parade), Somov B2, Isaev, chiave give and take.

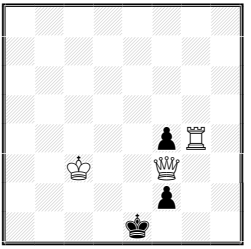
**3rd Hon. Mention 3791. Stefano Mariani**
5Q2/3p2P1/1NRbp1P1/1bB1kB2/5pK1/3p1P2/4n3/2n1R3
1…exf5+ 2.♕xf5≠
1.♗xd3? [2.♕xf4≠ **A**] 1…♘xd3 2.♖xe2≠ ma 1…♗xf8! **a**
1.♗e4? [2.♘xd7≠ **B** (♕xf4?)] 1…♗xc6 2.♘c4≠ ma 1…♗xc5! **b**
1.♗xe6! [2.♕f5≠ **C** (♕xf4? ♘xd7?)]
1…♗xc5 **b** 2.♕xf4≠ **A** 1…♗xf8 **a** 2.♘xd7≠ **B** 1…♔xe6 2.♕xd6≠ 1…dxe6 2.♕xf4≠
Correzione della minaccia di 3° grado. Antiduale, chiave ampliativa, Hannelius.

**3rd Hon. Mention**
**3791. S. Mariani**
Italia



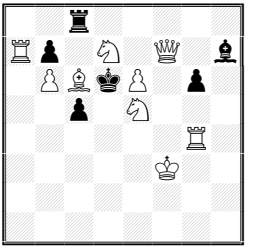
**≠2* vv (10+9) C+**

**(Special Comm. for miniature)**
**3827. M. Chernyavsky**
Ucraina



**≠2* v… (3+3) C+**

**1st Commendation**
**3955. V. Shanshin**

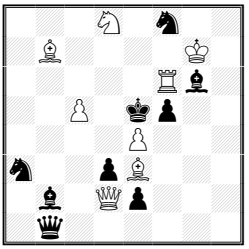


**≠2 vv (9+6) C+**

**(Special Comm. for miniature) 3827. Mikola Chernyavsky**
8/8/8/8/5pR1/2K2Q2/5p2/4k3
1…♔f1 2.♕d1≠ 1.♔c2? (2.♕d1≠) **1...f1~!** 1.♔d3? (2.♕e2≠) 1…f1=♕+!
1.♖g2? 1...f1=♘ 2.♕e2≠ 1...f1=♕! 1.♖h4? 1...♔f1 2.♖h1≠ **1...f1~!**
1. ♕d3? 1...f3 2.♖e4≠ 1...f1=♕ 2.♕d2≠ **1...f1=♘!**
1. ♖f4! 1...f1=♕ 2.♕f1≠ 1...♔f1 2.♕f2≠

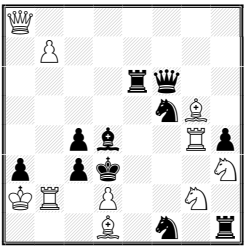
Summary:
1...♔f1 2.♕d1 ♖h1 ♕f2≠ 1...f1♘ 2.♕e2 ♕f1≠ 1...f1♕ 2.♕f1 ♕d2≠
Defences on same square. Changed mates, Zagoruiko, Rukhlis, Reversal (Author).

**2nd Commendation**
**3996. V. Shanshin**



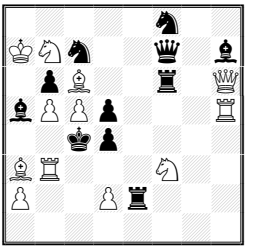
**≠2 vv (8+9) C+**

**3rd Commendation**
**3832. B. Colaneri -** Italia



**≠2 v (10+11) C+**

**4th Commendation**
**3871. F. Magini -** Italia

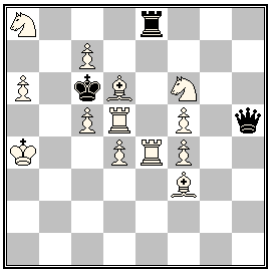


**≠2 v (12+11) C+**

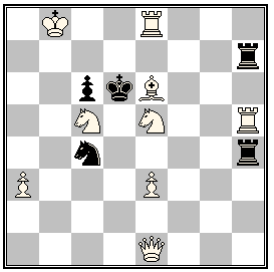
**1st Commendation 3955. Valery Shanshin**
2r5/Rp1N1Q1b/1PBkP1p1/2p1N3/6R1/5K2/8/8
1.♗xb7? [2.♘c4≠ **A**] 1…c4 2.♖d4≠ ma 1…♖c6! **a**
1.♗e4? [2.♘c4≠ **A**] ma 1…c4! (2.♖d4?)
1.e7! [2.♕f6≠]
1…♖xc6 **a** 2.e8=♘≠ **X** [♘c4? **A** ♔xd7!]
1…bxc6 2.♘c4≠ **A** 1…♖f8 2.exf8=♕≠ 1…♗g8 2.♖xg6≠
New idea: anti-Dombrovskis paradox Aa! – aX(A?) (Author). Correzione nera.
**2nd Commendation 3996. Valery Shanshin**
3N1n2/1B4K1/5Rb1/2P1kp2/4P3/n2pB3/1b1Qp3/1q6
1.♗d5? [2.♘c6≠] **A** ma 1…fxe4! **a**
1.♕b4? [2.♘c6≠] **A** 1…fxe4 **a** 2.♗f4≠ **B** 1…♗e8 2.♖xf5≠ 1…♗d4 2.♕xd4≠ ma 1…♘c4!
1.♖d6! [2.♗f4≠] **B** 1…fxe4 **a** 2.♖d5≠ **X** [2.♘c6?] **A** 1…♕f1 2.♕xb2≠ 1…♘e6+ 2.♖xe6≠
New idea: anti-Le Grand AaB – BaX(A?) (Author). Somov B2, Dombrovskis (Paradox).
**3rd Commendation 3832. Bruno Colaneri**
Q7/1P6/4rq2/5nB1/2pb2Rp/p1pk3N/KR1P2N1/3B1n1r
1.♗e3? [2.♘e1≠ 2.♘f2≠] ma 1…cxd2!
1.♕a4! [2.♕c2≠] 1…♘1e3 2.♘f2≠ 1…♘5e3 2.♘e1≠
Tentativo Novotny. Dopo la chiave due difese nere producono antiduale per apertura di linea nera, permettendo uno solo dei due matti minacciati nel tentativo (Author).
**4th Commendation 3871. Fabio Magini**
5n2/KNn2q1b/1pB2r1Q/bPPp3R/2kp4/BR3N2/P2Pr3/8
1.♖h4? [2.♖xd4≠] ma 1…♘ce6!
**1.♕f4!** [2.♕xd4≠]
1…♘xb5+ 2.♗xb5≠ 1…♗c3 2.♖xc3≠ 1…♖e4 2.d3≠
1…bxc5 2.♘xa5≠ 1…♘fe6 2.♘d6≠ 1…♖xf4 2.♘d6≠
1…♗e4 2.♘e5≠ 1…♖xd2 2.♘e5≠ 1…♘ce6 2.♗xd5≠

**International Judge Dragan Stojnic** (Valjevo, SERBIA)
award finished March 3rd 2022

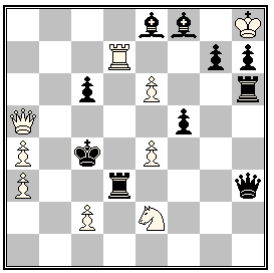
## Appendix



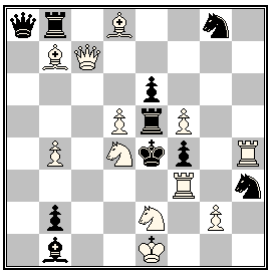
A - (compare with 3961) – ID 124988
**Milan Velimirovic -** 1st Prize *Diagrammes* 1979
≠2 (13+3) C+
1.♗e5? [2.♖d6‡] but 1…♖xa8!
1.♖de5? [2.d5‡] but 1…♕f7!
1.♖e6! [2.♗e7‡]
1…♖xa8 2.♗e5‡ 1…♕f7 2.♖de5‡ 1…♕xf5 2.♖xf5‡
1…♖d8 2.cxd8=♘‡ 1…♖xe6 2.c8=♕‡
Vladimirov theme.



B - (compare with 4057) – ID 249905
**Valery Popov -** 1st–2nd Prize e.a. *Kolokol Chernobylya* 1992
≠2 (9+5) C+
1.♕b4? [2.♘b7 **A**,♘e4‡ **B**]
1…♖4xh5 **a** 2.♘xc4‡ **C**
1…♖7xh5 **b** 2.♘f7‡ **D**
but 1…♖e7!
1.♕g3! [2.♘xc4 **C**,♘f7‡ **D**]
1…♖4xh5 **a** 2.♘e4‡ **B**
1…♖7xh5 **b** 2.♘b7‡ **A**
Odessa theme
1…♔xc5 2.♘d7‡ 1…♘xe5 2.♕xe5‡ 1…♖b7+ 2.♘xb7‡



C - (compare with 4055)
**Zoltán Labai -** *Kudesnik* 2008
4bb1K/3R2pp/2p1P2r/Q4p2/P1k1P3/P2r3q/2P1N3/8
≠2 (9+10) C+
1.e7? [2.♕b4‡] **A** 1…c5 **a** 2.♕b5‡ **B**
1…♖b3 2.♖d4‡ but 1…♗xe7!
1.♖c7! [2.♕b5‡] **B** 1…c5 **a** 2.♕b4‡ **A**
1…♖b3 2.♕d5‡ 1…♗c5 2.♕a6‡
Le Grand+changed mate



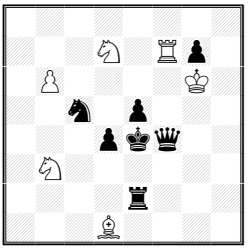
D - (compare with 3995) – ID 300982
**Ruslan Surkov**
2nd Prize (Russian Chess-problems association-80 JT)
*Shakhmatnaya Kompozitsiya* 2006
≠2 (12+10) C+
1.♕b6? [2.♘g3,♘c3‡]
1…♖xd5 2.♕xe6‡ but 1…♖xf5!
1.♕c4? [2.♘g3,♘c3‡] 1…♖xf5 2.♘c6‡ but 1…♖xd5!
1.♘c6! [2.♕xe5‡]
1…♖xf5 2.♘c3‡ 1…♖xd5 2.♘g3‡
1…♔xd5 2.♘e7‡ 1…♔xf5 2.♕h7‡

I miei più sinceri ringraziamenti a Dragan Stojnic per il suo qualificato verdetto, il quale diverrà definitivo passati 3 mesi dalla pubblicazione. Eventuali reclami vanno inviati al Redattore: Antonio Garofalo, E-mail: perseus@bestproblems.it
[*My most sincere thanks to Dragan Stojnici for his qualified award, which will become definitive 3 months after publication. Possible claims must be sent to the Editor: Antonio Garofalo, E-mail: perseus@bestproblems.it.*]

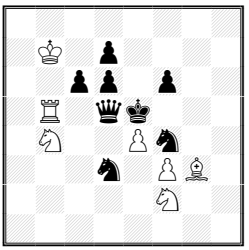
# The Evolution of an idea in composing H≠2

by Francesco Simoni

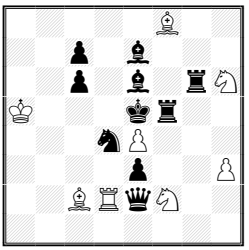
My composing activity led to the position in Diagram A



← **A) Francesco Simoni -** original
8/3N1Rp1/1P4K1/2n1p3/3pkq2/1N6/4r3/3B4
h‡2 (6+7) C+
1.♘xb3 ♗xb3 2.♕e3 ♘c5‡ 1.♘xd7 ♖xd7 2.♖e3 ♘c5‡
Problem A shows the capture of a troublesome white piece, Zilahi, delayed FML, mates on the same square.
Not so bad as a first result, but as well not fully convincing: the content is nice but rather linear, and therefore I was not very satisfied. I felt the possibility to improve its strategic content in some ways, so I decided to put it aside in the tray, instead of sending it to some tourney.

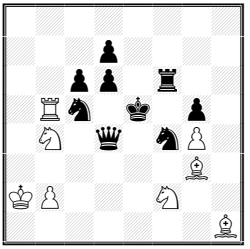


← **B) Francesco Simoni -** *Problemaz* 2008
3rd Honourable Mention
8/1K1p4/2pp1p2/1R1qk3/1N2Pn2/3n1PB1/5N2/8
h‡2 (7+8) C+
1.♘xf2 ♗xf2 2.♘e6 ♘d3‡ 1.♘xb4 ♖xb4 2.♕e6 ♘d3‡
One of the things that I really disliked was that one of the black pieces did nothing, in turn, in each of the two solutions. To eliminate this drawback, I set-up a pin for each of the black pieces that in the course of the solution will have to move. The first White move shall un-pin, in turn, one of them, and the mate will take place leveraging on the static pin of the other black piece. The result is shown in Diagram B.



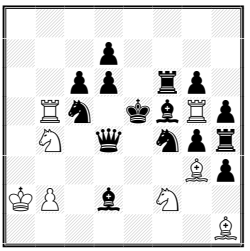
← **C) Francesco Simoni -** *idee & form* 2008-09
2nd Prize
5B2/2p1b3/2p1b1rN/K3kr2/3nP3/4p2P/2BRqN2/8
h‡2 (8+10) C+
1.♖xh6 ♗xh6 2.♘f3 ♘g4‡ 1.♕xf2 ♖xf2 2.♗g5 ♘g4‡
The core thematic content is the same as before (the capture of a troublesome white piece, Zilahi, delayed FML). While definitely nicer-looking, Problem B is not, however, such a big improvement under the strategic perspective, and someone could still prefer problem A because static pins are ultimately not such an interesting use of black pieces. I studied therefore a more complex mechanism and I ended-up with Problem C.

In Problem C two black pieces guard the mating square: one moves in first to abandon the guard and capture the redundant knight, to clear its square and allow the first White move; the second, in turn, is interfered with the second Black move. Again white pieces alternates in the guard of two squares, with line opening by the second Black move, similarly to what happened in Problem A.



**← D) Francesco Simoni & Abdelaziz Onkoud**
Best Problems 2022
8/3p4/2pp1r2/1Rn1k1p1/1N1q1nP1/6B1/KP3N2/7B
h‡2 (8+9) C-
1.♕xf2 ♗xf2 2.♘fe6 ♘d3‡
1.♕xf2 ♖xc5+ 2.♔d4 ♗xf2‡
1.♕xb4 ♖xb4 2.♘ce6 ♘d3‡
1.♕xb4 ♗xf4+ 2.♔d4 ♖xb4‡
Cooked: 1.♕e3 ♘bd3+ 2.♔d4 ♖b4‡

In an independent way, and in parallel to my efforts, the editor of *Problemaz*, the magazine where Problem B was published, wrote me to suggest a further improvement of Problem B, adding two more solutions to the matrix. He showed me Problem D, that has two variations similar to Problem B (but this time the bQ moves at B1 to capture and two bS are pinned in turn) and other two in which the same W1 moves become mates. Unfortunately the new matrix was cooked, and apparently there wasn't an easy way to correct it. After some unsuccessful tries I abandoned the position and I forgot it for some time.



**← E) Francesco Simoni & Abdelaziz Onkoud**
Commendation *The Problemist* 2013
8/3p4/2pp1rp1/1Rn1kbRp/1N1q1npr/6Bp/KP1b1N2/7B
h‡2 (8+15) C+ b) ♖g5→d1
a) 1.♕xf2 ♗xf2 2.♘fe6 ♘d3‡ 1.♕xb4 ♖xb4 2.♘ce6 ♘d3‡
b) 1.♕xf2 ♖xc5+ 2.♔d4 ♗xf2‡ 1.♕xb4 ♗xf4+ 2.♔d4 ♖xb4‡
Years later, I found again the cooked position in a folder of my hard disk and so the co-author and I worked it again, this time with success.

To avoid the cook, a wR shall be placed on d1 and a bB on d2. After 1.Qe3 Sbd3+ 2.Kd4 Rb4 is not mate because the bishop defends. Instead, after 1.Q×f2 R×c5+ 2.Kd4 and 1.Q×b4 B×f4+ 2.Kd4, the bishop is pinned so that it's possible to mate.

Unfortunately, the wR does nothing in the other two solutions, so a twin form becomes necessary. Since in two solutions the bK moves to d4, and there is no need to guard f5 and f6 in these, an easy idea is to provide a twin moving the wR, in a position where it guards the squares f5, f6; however, it appears more strategic to realize a different pin effect by the wR in both positions.

This is a helpmate of the future in twin form: in A) Black sacrifice with square clearance to play W1, b/w direct unpin, self-block by the unpinned black piece, double pin mate, Zilahi; in B) Black sacrifice with square clearance to play W2, self-pin, pin mate, diagonal-orthogonal echo play. W1 moves in A) becomes mates in B). Homogenous roles of the wRg5→wRd1, which pin a different piece in both twins.

I was expecting good success for this problem, so I send it to a strong tourney, but I was quite disappointed when it just got a Commendation. I imagine that the judge did not particularly appreciate the static pins and he did not take into account that such pins are necessary for soundness, as we explained before. Also, the identical keys in the two positions may have influenced, as well as other white moves, which are repeated in a) and b), but translated from W1 to W2. Of course, the random presence of repeated moves in the helpmates is very unpleasant, but in this case the repetitions are perfectly thematic and should be considered as such, also due to the difficulty of the construction!

**Francesco Simoni**

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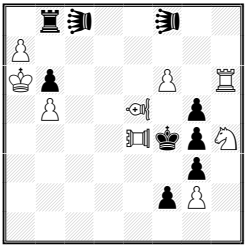
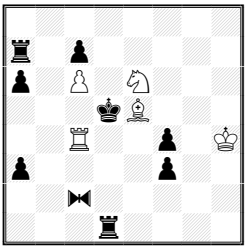
# Affermazioni italiane (Italian award winners)

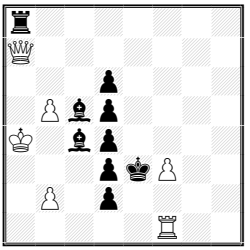
Da un verdetto lungamente atteso... Tre lavori che hanno ampiamente meritato l'onorificenza.



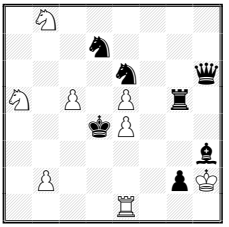
← **Mario Parrinello** - 3° Premio *Springaren* 2011
hs≠3 (9+9) C+ =Leo, =Vao, =Pao
1.PAxg4 LEb4 2.PAxb4 ♔g4 3.Vd4+ LEc4‡
1.Vxg3 LEc7 2.Vxc7 ♔g3 3.PAe5+ LEd6‡
Lovely helpselfmate with fairy pieces. I like especially the mating positions, where one is horizontal and the other is diagonal. The mates are typical for chinese pieces. The mat-ing piece goes between two chinese pieces and the chinese pieces can't capture it. (Judge: Kenneth Solja). Nella prima sol. tre pezzi fairy in fila orizzontale con quello centrale (Leo) che matta. Nella seconda sol. in fila diagonale e matta sempre il Leo centrale. Davvero divertente! (NdR)



← **Rodolfo Riva & Antonio Garofalo** - 2ª M. O. *Springaren* 2011
H≠2 (5+9) C+ b) ⋈c2-d3, c) ⋈c2-g4
Take & Make, ⋈=Equihopper
a) 1.Eg8 ♖c5+ 2.♔xe5(♔h8) ♖h5‡
b) 1.Eb5 ♗c3 2.♔xc4(♔a4) ♘c5‡
c) 1.Ec8 ♖e4 2.♔xe6(♔d8) ♗f6‡
Cyclic Zilahi with a fairy condition and with equihopper is a quite achievement. Black King is also using the captures to his mating position. White pieces also have cyclic functions between captured piece / mating piece / guarding piece. (Judge: Kenneth Solja)



← **Valerio Agostini & Mario Parrinello** - 3ª M. O. *Springaren* 2011
hs≠3,5 (6+9) C+
1…♗xb5+ 2.♔b3 ♗e8 3.♕h7 ♗f7 4.♕e4+ dxe4‡
1…♗b6 2.♔b4 ♗d8 3.♕g7 ♗e7 4.♕e5+ dxe5‡
Another interesting helpselfmate. Black bishops go on the other side of the vertical line of pawns to make a battery, which white Queen is opening by sacrificing herself. (Judge: Kenneth Solja)

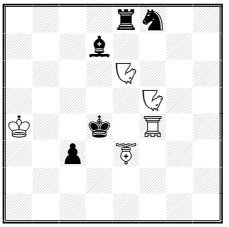


← **Francesco Simoni** - 1° Premio *SuperProblem* 2021
1N6/3n4/4n2q/N1P1P1r1/3kP3/7b/1P4pK/4R3
H≠2,5 (8+7) C+ b) ♗e1

a) 1…♘c4 (♘xd7?) 2.♖xe5 (♘dxe5?) ♘xe5 3.♘dxc5 (♘exc5?) ♘bc6‡ try: 1… ♘xd7? 2.♖xe5 ♘xe5 3.♘xc5 ♘ac6‡??
b) 1…♘a6 (♘xd7?) 2.♘exc5 (♘dxc5?) ♘xc5 3.♘xe5 (♖xe5?) ♗f2‡ try: 1…♘xd7? 2.♘xc5 ♘xc5 3.♖xe5 ♗f2‡??

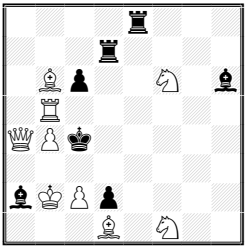
Black sacrifice at B2 with square clearance to play W2, self-block at B3. Dual avoidances, model mates. If black sacrificed the bSd7 at B2, the only move left to self-block at B3 would avoid the mate for black line opening. The tries fail because the bSd7, which must self-block, is captured. Cyclical exchange of functions (wSa5/wRe1 (wBe1)/wSb8, capture and guard/passive guard/ mate). (Author)

A very unusual scheme for dual avoidance, since the pieces on e1 fulfill different tasks and the roles of the white knights are thus unequally distributed. Nevertheless, the dual avoidance or the choice of moves are correct. The Sd7 is needed for a block at the end, so White has to reach the goal by other means. Then Black has to be careful to sacrifice the right piece, and finally the right piece has to block without opening a black line. The model mates emphasize the elegant presentation. If you have to look at more than 50% of the moves first, why what works and why not, it should be an original and complex work. It therefore meets my criteria for a prize.
(Judge: Silvio Baier)



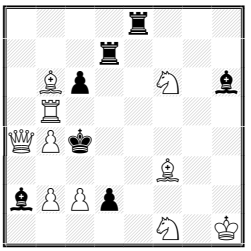
← **Mario Parrinello** – 3° Premio *StrateGems* 2020
H≠2 (5+5) C+ b) ♔a4-a8 c) ♔a4-g6
Anti-Kings, Patrol chess
♗=Bishop-Locust, ♘=Nightrider-Locust, ♖=Rook-Locust.
a) 1.♖xe6 ♔b5 2.♖xe3 **NL**xe3-d1‡
b) 1.♘xe6 ♔b8 2.♘xf4 **BL**xf4-g5‡
c) 1.♗xe6 ♔h7 2.♗xf5 **RL**xf5-f6‡
Zilahi ciclico + ciclo di catture

# Ricostruzione

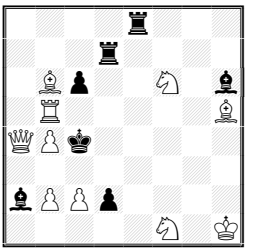


← **Efrén Petite** - *Best Problems* 2007 - Ricostruzione 90 - BP101
4r3/3r4/1Bp2N1b/1R6/QPk5/8/bKPp4/3B1N2
≠2 (9+7) C+
1.♖g5? [2.b5‡]
1…♖a8 a 2.♘e3‡ A 1…♖a7 b 2.♘xd2‡ B ma 1…♗f8! c
1.♖e5? [2.b5‡]
1…♖a7 b 2.♗e2‡ C 1…♗f8 c 2.♘e3‡ A ma 1…♖a8! a
1.♖d5! [2.b5‡]
1…♗f8 c 2.♘xd2‡ B 1…♖a8 a 2.♗e2‡ C
1…♖a7 2.♖d4‡ 1…♗b3 2.cxb3,♕xb3‡
Lacny ripartito in 3 fasi.

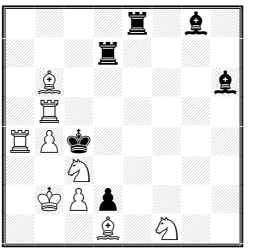
**P. Zuvic**



**M. Uris (1)**



**M. Uris (2)**



Hanno inviato la loro proposta **J.A. Coello Alonso, Hans Nieuwhart**, entrambi con una posizione esattamente uguale all'originale. Inoltre hanno pure partecipato **Predrag Zuvic** e **Miguel Uris**. La posizione di Predrag mette il Re bianco all'angolo e perciò ha un pedone in più rispetto all'originale, mentre Miguel propone due posizioni: nel diagramma 1 usa 10+7 pezzi come Predrag, col difetto (in entrambi) del matto duale secondario 1…♗b3 2.♕xb3‡ 2.cxb3‡ presente anche nell'originale, mentre nel diagramma 2 riesce a sostituire la ♕ bianca con una ♖ e risparmia un ♟ nero, arrivando alla posizione migliore fra quelle presentate avendo tolto il suddetto difetto.

**Ricostruzione n. 91** - Ricostruire un problema ≠2 che abbia la seguente soluzione:

1.♗e1? [2.♕h3‡] ma 1…♕xb5!
1.♗d4? [2.♕h3‡] 1…♟f3 2.♕xf3‡ ma 1…♕xb7!
1.♖c~? [2.♕xf7‡] ma 1…♕xb7!
1.♖d4? [2.♕xf7‡] 1…♟f6 2.♕e6‡ ma 1…♕xb5!
1.♘c6! [2.♘d4‡] 1…♕xb5 2.♗c8‡ 1…♕xb7 2.♙e6‡ 1…♟f3 2.♙g4‡

Inviare (send to): **perseus@bestproblems.it**
(last available day for to send: 1**0/06/2022**)

**A. Garofalo**

**Contents**

# Figured tours of knight on 11x11 Board

by Awani Kumar, Lucknow, India

Figured tours of knight on even size boards, namely 8x8 and 10x10 have been amply looked into but those on odd size boards have got scanty attention. The author wishes to look into 'Figured tours' on 11x11 board. Readers are well aware of Figured tour of knight – view *Best Problems* No. 99 – which is mathematical art on chessboard. Figure 1 has the consecutive square numbers $1^2$, $2^2$, $3^2$ … $11^2$, that is, 1, 4, 9 … 121 along wazir {0, 1} path in the shape of staircase. Square numbers are more amenable for figured tours. Figure 2 has the consecutive square numbers along the fifth row. Here the move segments are alternately above and below the row up to 91. Figure 3 has the consecutive square numbers only up to 100 along the top row. Despite of putting intense effort the author couldn't get 121 in the top right corner. If the 'consecutive' square numbers criterion is relaxed then one can have all the square numbers in the first row as shown in Figure 4. There can't be a knight tour with square numbers along the third row and Figure 7 shows the reason for it. Figure 5 has the consecutive square numbers in knight path in a compact zigzag formation. Figure 6 also has the consecutive square numbers in knight path in a sparse zigzag formation along fifth and seventh rows. Such zigzag formations are not possible along first and third row or third and fifth row as evident from Figure 8 and Figure 9 respectively.

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 87 | 68 | 111 | 118 | 97 | 70 | 95 | 108 | 105 | 72 | 93 |
| 112 | 117 | 88 | 69 | 110 | 119 | 90 | 71 | 94 | 59 | 106 |
| 67 | 86 | 45 | 98 | 89 | 96 | 109 | 104 | 107 | 92 | 73 |
| 116 | 113 | 66 | 85 | 120 | 79 | 82 | 91 | 60 | 103 | 58 |
| 13 | 46 | 115 | 44 | 99 | 84 | 121 | 80 | 101 | 74 | 61 |
| 114 | 41 | 14 | 65 | 78 | 81 | 100 | 83 | 76 | 57 | 102 |
| 47 | 12 | 43 | 40 | 49 | 64 | 77 | 38 | 55 | 62 | 75 |
| 42 | 15 | 48 | 25 | 36 | 39 | 50 | 63 | 32 | 53 | 56 |
| 11 | 6 | 9 | 16 | 3 | 26 | 37 | 54 | 51 | 20 | 31 |
| 8 | 1 | 4 | 27 | 24 | 35 | 18 | 29 | 22 | 33 | 52 |
| 5 | 10 | 7 | 2 | 17 | 28 | 23 | 34 | 19 | 30 | 21 |

1

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|---|---|---|---|---|---|---|---|---|---|---|
| 29 | 32 | 13 | 52 | 27 | 54 | 85 | 60 | 89 | 56 | 83 |
| 14 | 11 | 28 | 31 | 34 | 51 | 90 | 55 | 84 | 61 | 88 |
| 3 | 30 | 33 | 12 | 53 | 26 | 59 | 86 | 63 | 82 | 57 |
| 10 | 15 | 2 | 35 | 50 | 93 | 98 | 91 | 58 | 87 | 62 |
| 1 | 4 | 9 | 16 | 25 | 36 | 49 | 64 | 81 | 100 | 121 |
| 8 | 17 | 6 | 37 | 94 | 97 | 92 | 99 | 120 | 65 | 118 |
| 5 | 38 | 95 | 24 | 73 | 78 | 111 | 48 | 117 | 80 | 101 |
| 18 | 7 | 72 | 77 | 96 | 47 | 116 | 79 | 110 | 119 | 66 |
| 39 | 42 | 23 | 20 | 71 | 74 | 105 | 112 | 115 | 102 | 109 |
| 22 | 19 | 44 | 41 | 76 | 69 | 46 | 107 | 104 | 67 | 114 |
| 43 | 40 | 21 | 70 | 45 | 106 | 75 | 68 | 113 | 108 | 103 |

2

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 4 | 9 | 16 | 25 | 36 | 49 | 64 | 81 | 100 | 103 |
| 8 | 15 | 2 | 35 | 48 | 63 | 26 | 99 | 102 | 65 | 82 |
| 3 | 10 | 5 | 24 | 17 | 50 | 37 | 80 | 67 | 104 | 101 |
| 14 | 7 | 12 | 47 | 34 | 27 | 62 | 87 | 98 | 83 | 66 |
| 11 | 20 | 23 | 6 | 51 | 18 | 79 | 38 | 105 | 68 | 89 |
| 22 | 13 | 46 | 19 | 28 | 33 | 86 | 61 | 88 | 97 | 84 |
| 45 | 118 | 21 | 52 | 57 | 78 | 39 | 106 | 85 | 90 | 69 |
| 112 | 53 | 114 | 119 | 32 | 29 | 58 | 77 | 60 | 73 | 96 |
| 117 | 44 | 111 | 56 | 109 | 40 | 107 | 30 | 93 | 70 | 91 |
| 54 | 113 | 42 | 115 | 120 | 31 | 76 | 59 | 72 | 95 | 74 |
| 43 | 116 | 55 | 110 | 41 | 108 | 121 | 94 | 75 | 92 | 71 |

3

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|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 4 | 9 | 16 | 25 | 36 | 49 | 64 | 121 | 100 | 81 |
| 10 | 15 | 2 | 5 | 50 | 63 | 26 | 99 | 80 | 65 | 120 |
| 3 | 8 | 17 | 24 | 35 | 48 | 37 | 118 | 101 | 82 | 97 |
| 14 | 11 | 6 | 51 | 38 | 27 | 62 | 79 | 98 | 119 | 66 |
| 7 | 18 | 13 | 34 | 23 | 78 | 47 | 102 | 117 | 96 | 83 |
| 12 | 21 | 52 | 39 | 28 | 61 | 104 | 95 | 106 | 67 | 116 |
| 19 | 40 | 33 | 22 | 77 | 46 | 87 | 114 | 103 | 84 | 107 |
| 58 | 53 | 20 | 29 | 60 | 113 | 94 | 105 | 86 | 115 | 68 |
| 41 | 32 | 59 | 56 | 73 | 76 | 45 | 88 | 91 | 108 | 85 |
| 54 | 57 | 30 | 43 | 112 | 71 | 74 | 93 | 110 | 69 | 90 |
| 31 | 42 | 55 | 72 | 75 | 44 | 111 | 70 | 89 | 92 | 109 |

4

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 7 | 14 | 3 | 12 | 5 | 38 | 107 | 104 | 45 | 40 | 43 |
| 2 | 11 | 6 | 15 | 18 | 105 | 46 | 39 | 42 | 103 | 96 |
| 23 | 8 | 13 | 4 | 37 | 108 | 17 | 106 | 95 | 44 | 41 |
| 10 | 1 | 22 | 19 | 16 | 47 | 94 | 63 | 110 | 97 | 102 |
| 21 | 24 | 9 | 48 | 65 | 36 | 109 | 92 | 101 | 62 | 111 |
| 70 | 67 | 20 | 25 | 116 | 93 | 64 | 35 | 112 | 91 | 98 |
| 51 | 26 | 69 | 66 | 49 | 114 | 117 | 100 | 89 | 34 | 61 |
| 68 | 71 | 50 | 115 | 78 | 81 | 84 | 113 | 118 | 99 | 90 |
| 27 | 52 | 79 | 74 | 83 | 56 | 121 | 88 | 85 | 60 | 33 |
| 72 | 75 | 54 | 29 | 80 | 77 | 82 | 31 | 58 | 119 | 86 |
| 53 | 28 | 73 | 76 | 55 | 30 | 57 | 120 | 87 | 32 | 59 |

5

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|---|---|---|---|---|---|---|---|---|---|---|
| 29 | 20 | 43 | 12 | 27 | 22 | 41 | 106 | 109 | 74 | 77 |
| 44 | 11 | 28 | 21 | 42 | 47 | 110 | 75 | 78 | 39 | 108 |
| 19 | 30 | 13 | 46 | 23 | 26 | 105 | 40 | 107 | 76 | 73 |
| 10 | 45 | 18 | 31 | 48 | 103 | 24 | 111 | 38 | 79 | 82 |
| 1 | 32 | 9 | 14 | 25 | 112 | 49 | 104 | 81 | 72 | 121 |
| 8 | 17 | 2 | 35 | 50 | 15 | 102 | 37 | 120 | 83 | 80 |
| 33 | 4 | 51 | 16 | 113 | 36 | 97 | 64 | 85 | 100 | 71 |
| 52 | 7 | 34 | 3 | 96 | 65 | 92 | 101 | 98 | 119 | 84 |
| 59 | 56 | 5 | 54 | 93 | 114 | 63 | 86 | 89 | 70 | 99 |
| 6 | 53 | 58 | 61 | 66 | 95 | 116 | 91 | 68 | 87 | 118 |
| 57 | 60 | 55 | 94 | 115 | 62 | 67 | 88 | 117 | 90 | 69 |

6

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 5 | 2 | 17 | 10 | 37 | 26 | 65 | 50 | 63 | ?? | 101 |
| 18 | 11 | 6 | 3 | 66 | 51 | 38 | 27 | 102 | | 62 |
| 1 | 4 | 9 | 16 | 25 | 36 | 49 | 64 | 81 | 100 | 121 |
| 12 | 19 | 24 | 7 | | | | | | | |
| | | | | | | | | | | |

7

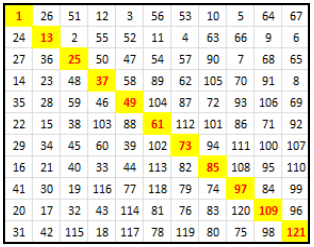
| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | 9 | | 25 | | 49 | | 81 | | 121 |
| | | ?? | | | | ?? | | | | |
| | 4 | | 16 | | 36 | | 64 | | 100 | |
| | | | | | | | | | | |
| | | | | | | | | | | |

8

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | 10 | | | | ?? | | | | 80 |
| | | | | 11 | | | | 79 | | |
| 1 | | 9 | | 25 | | 49 | | 81 | | 121 |
| | | 4 | | 16 | | 36 | | 64 | | 100 |
| | | | | | | | | | | |

9

Figure 10 has the numbers in arithmetic progression (AP) with common difference (CD) 12 along the long diagonal. Figure 11 has the numbers in multiple of 11 along the fifth row. The move segments are alternately above and below the row up to 102. Figure 12 to Figure 14 have the consecutive square numbers along the knight path in hill, oblong and square formations respectively.



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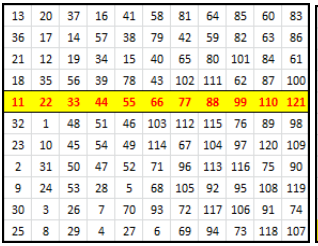

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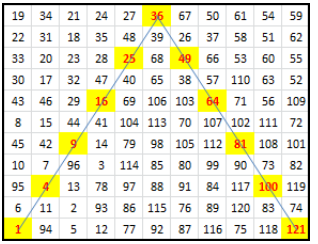

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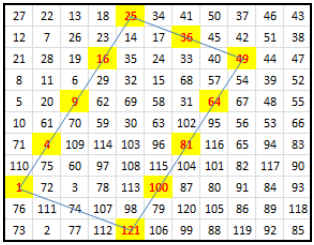

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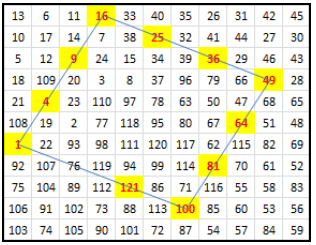

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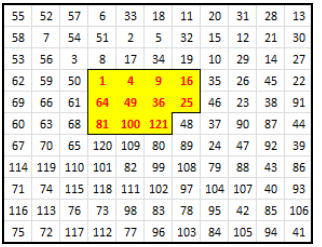

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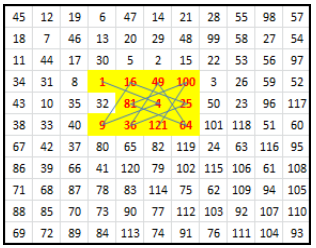
Figure 15 and Figure 16 have the consecutive square numbers in a compact formation along wazir and knight path respectively. Figure 17 has square numbers arranged in the shape of a cross. Figure 18 and Figure 19 have square numbers in a tree shape. Figure 20 and Figure 21 have consecutive square numbers in a zigzag formation in giraffe {1, 4} and flamingo {1, 6} path respectively.



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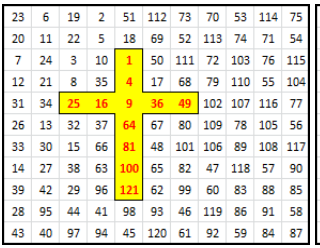

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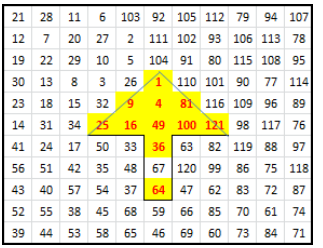

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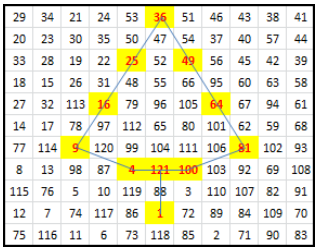

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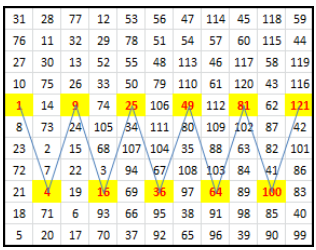

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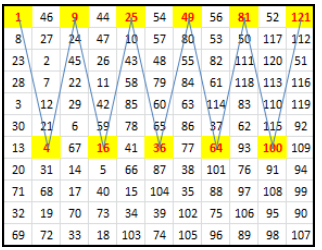

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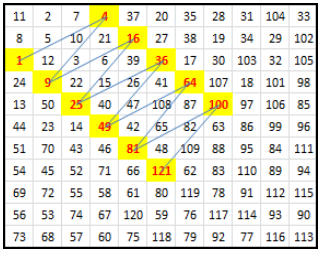
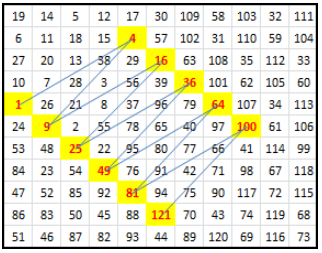
Figure 22 to Figure 24 have consecutive square numbers in a zigzag formation in zebra {2, 3}, antelope {3, 4} and {4, 5} leaper path respectively.



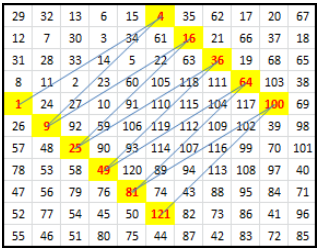
| 11 | 2 | 7 | 4 | 37 | 20 | 35 | 28 | 31 | 104 | 33 |
|---|---|---|---|---|---|---|---|---|---|---|
| 8 | 5 | 10 | 21 | 16 | 27 | 38 | 19 | 34 | 29 | 102 |
| 1 | 12 | 3 | 6 | 39 | 36 | 17 | 30 | 103 | 32 | 105 |
| 24 | 9 | 22 | 15 | 26 | 41 | 64 | 107 | 18 | 101 | 98 |
| 13 | 50 | 25 | 40 | 47 | 108 | 87 | 100 | 97 | 106 | 85 |
| 44 | 23 | 14 | 49 | 42 | 65 | 82 | 63 | 86 | 99 | 96 |
| 51 | 70 | 43 | 46 | 81 | 48 | 109 | 88 | 95 | 84 | 111 |
| 54 | 45 | 52 | 71 | 66 | 121 | 62 | 83 | 110 | 89 | 94 |
| 69 | 72 | 55 | 58 | 61 | 80 | 119 | 78 | 91 | 112 | 115 |
| 56 | 53 | 74 | 67 | 120 | 59 | 76 | 117 | 114 | 93 | 90 |
| 73 | 68 | 57 | 60 | 75 | 118 | 79 | 92 | 77 | 116 | 113 |

22



| 19 | 14 | 5 | 12 | 17 | 30 | 109 | 58 | 103 | 32 | 111 |
|---|---|---|---|---|---|---|---|---|---|---|
| 6 | 11 | 18 | 15 | 4 | 57 | 102 | 31 | 110 | 59 | 104 |
| 27 | 20 | 13 | 38 | 29 | 16 | 63 | 108 | 35 | 112 | 33 |
| 10 | 7 | 28 | 3 | 56 | 39 | 36 | 101 | 62 | 105 | 60 |
| 1 | 26 | 21 | 8 | 37 | 96 | 79 | 64 | 107 | 34 | 113 |
| 24 | 9 | 2 | 55 | 78 | 65 | 40 | 97 | 100 | 61 | 106 |
| 53 | 48 | 25 | 22 | 95 | 80 | 77 | 66 | 41 | 114 | 99 |
| 84 | 23 | 54 | 49 | 76 | 91 | 42 | 71 | 98 | 67 | 118 |
| 47 | 52 | 85 | 92 | 81 | 94 | 75 | 90 | 117 | 72 | 115 |
| 86 | 83 | 50 | 45 | 88 | 121 | 70 | 43 | 74 | 119 | 68 |
| 51 | 46 | 87 | 82 | 93 | 44 | 89 | 120 | 69 | 116 | 73 |

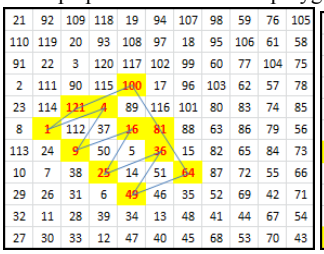
23



| 29 | 32 | 13 | 6 | 15 | 4 | 35 | 62 | 17 | 20 | 67 |
|---|---|---|---|---|---|---|---|---|---|---|
| 12 | 7 | 30 | 3 | 34 | 61 | 16 | 21 | 66 | 37 | 18 |
| 31 | 28 | 33 | 14 | 5 | 22 | 63 | 36 | 19 | 68 | 65 |
| 8 | 11 | 2 | 23 | 60 | 105 | 118 | 111 | 64 | 103 | 38 |
| 1 | 24 | 27 | 10 | 91 | 110 | 115 | 104 | 117 | 100 | 69 |
| 26 | 9 | 92 | 59 | 106 | 119 | 112 | 109 | 102 | 39 | 98 |
| 57 | 48 | 25 | 90 | 93 | 114 | 107 | 116 | 99 | 70 | 101 |
| 78 | 53 | 58 | 49 | 120 | 89 | 94 | 113 | 108 | 97 | 40 |
| 47 | 56 | 79 | 76 | 81 | 74 | 43 | 88 | 95 | 84 | 71 |
| 52 | 77 | 54 | 45 | 50 | 121 | 82 | 73 | 86 | 41 | 96 |
| 55 | 46 | 51 | 80 | 75 | 44 | 87 | 42 | 83 | 72 | 85 |

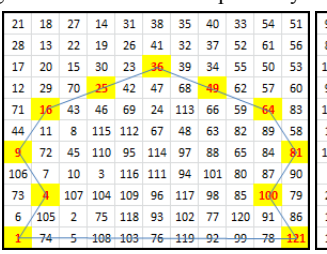
24

Now let us look into the polygons with consecutive square numbers in various pieces path. Figure 25 and Figure 26 have consecutive square numbers in knight path and the area of polygons is 8.5 and 62 respectively. Figure 27 and Figure 28 have consecutive square numbers in wazir path and the area of polygons is 4.5 and 12 respectively. Figure 29 and Figure 30 have consecutive square numbers in zebra path and the area of polygons is 12.5 and 55.5 respectively. Figure 31 and Figure 32 have consecutive square numbers in giraffe path and the area of polygons is 24 and 72 respectively. Figure 33 and Figure 34 have consecutive square numbers in antelope path and the area of polygons is 17.5 and 38.5 respectively.



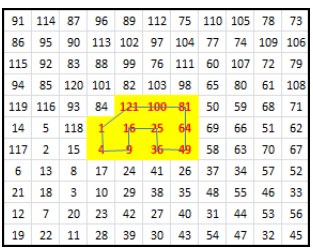
| 21 | 92 | 109 | 118 | 19 | 94 | 107 | 98 | 59 | 76 | 105 |
|---|---|---|---|---|---|---|---|---|---|---|
| 110 | 119 | 20 | 93 | 108 | 97 | 18 | 95 | 106 | 61 | 58 |
| 91 | 22 | 3 | 120 | 117 | 102 | 99 | 60 | 77 | 104 | 75 |
| 2 | 111 | 90 | 115 | 100 | 17 | 96 | 103 | 62 | 57 | 78 |
| 23 | 114 | 121 | 4 | 89 | 116 | 101 | 80 | 83 | 74 | 85 |
| 8 | 1 | 112 | 37 | 16 | 81 | 88 | 63 | 86 | 79 | 56 |
| 113 | 24 | 9 | 50 | 5 | 36 | 15 | 82 | 65 | 84 | 73 |
| 10 | 7 | 38 | 25 | 14 | 51 | 64 | 87 | 72 | 55 | 66 |
| 29 | 26 | 31 | 6 | 49 | 46 | 35 | 52 | 69 | 42 | 71 |
| 32 | 11 | 28 | 39 | 34 | 13 | 48 | 41 | 44 | 67 | 54 |
| 27 | 30 | 33 | 12 | 47 | 40 | 45 | 68 | 53 | 70 | 43 |

25 Area of polygon = 8.5



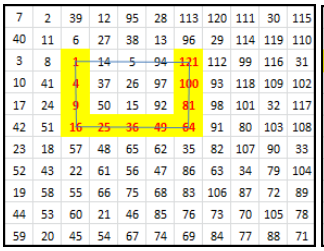
| 21 | 18 | 27 | 14 | 31 | 38 | 35 | 40 | 33 | 54 | 51 |
|---|---|---|---|---|---|---|---|---|---|---|
| 28 | 13 | 22 | 19 | 26 | 41 | 32 | 37 | 52 | 61 | 56 |
| 17 | 20 | 15 | 30 | 23 | 36 | 39 | 34 | 55 | 50 | 53 |
| 12 | 29 | 70 | 25 | 42 | 47 | 68 | 49 | 62 | 57 | 60 |
| 71 | 16 | 43 | 46 | 69 | 24 | 113 | 66 | 59 | 64 | 83 |
| 44 | 11 | 8 | 115 | 112 | 67 | 48 | 63 | 82 | 89 | 58 |
| 9 | 72 | 45 | 110 | 95 | 114 | 97 | 88 | 65 | 84 | 81 |
| 106 | 7 | 10 | 3 | 116 | 111 | 94 | 101 | 80 | 87 | 90 |
| 73 | 4 | 107 | 104 | 109 | 96 | 117 | 98 | 85 | 100 | 79 |
| 6 | 105 | 2 | 75 | 118 | 93 | 102 | 77 | 120 | 91 | 86 |
| 1 | 74 | 5 | 108 | 103 | 76 | 119 | 92 | 99 | 78 | 121 |

26 Area of polygon = 62



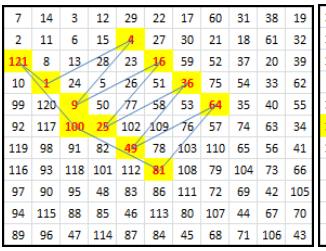
| 91 | 114 | 87 | 96 | 89 | 112 | 75 | 110 | 105 | 78 | 73 |
|---|---|---|---|---|---|---|---|---|---|---|
| 86 | 95 | 90 | 113 | 102 | 97 | 104 | 77 | 74 | 109 | 106 |
| 115 | 92 | 83 | 88 | 99 | 76 | 111 | 60 | 107 | 72 | 79 |
| 94 | 85 | 120 | 101 | 82 | 103 | 98 | 65 | 80 | 61 | 108 |
| 119 | 116 | 93 | 84 | 121 | 100 | 81 | 50 | 59 | 68 | 71 |
| 14 | 5 | 118 | 1 | 16 | 25 | 64 | 69 | 66 | 51 | 62 |
| 117 | 2 | 15 | 4 | 9 | 36 | 49 | 58 | 63 | 70 | 67 |
| 6 | 13 | 8 | 17 | 24 | 41 | 26 | 37 | 34 | 57 | 52 |
| 21 | 18 | 3 | 10 | 29 | 38 | 35 | 48 | 55 | 46 | 33 |
| 12 | 7 | 20 | 23 | 42 | 27 | 40 | 31 | 44 | 53 | 56 |
| 19 | 22 | 11 | 28 | 39 | 30 | 43 | 54 | 47 | 32 | 45 |

27 Area of polygon = 4.5



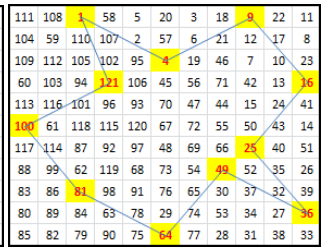
| 7 | 2 | 39 | 12 | 95 | 28 | 113 | 120 | 111 | 30 | 115 |
|---|---|---|---|---|---|---|---|---|---|---|
| 40 | 11 | 6 | 27 | 38 | 13 | 96 | 29 | 114 | 119 | 110 |
| 3 | 8 | 1 | 14 | 5 | 94 | 121 | 112 | 99 | 116 | 31 |
| 10 | 41 | 4 | 37 | 26 | 97 | 100 | 93 | 118 | 109 | 102 |
| 17 | 24 | 9 | 50 | 15 | 92 | 81 | 98 | 101 | 32 | 117 |
| 42 | 51 | 16 | 25 | 36 | 49 | 64 | 91 | 80 | 103 | 108 |
| 23 | 18 | 57 | 48 | 65 | 62 | 35 | 82 | 107 | 90 | 33 |
| 52 | 43 | 22 | 61 | 56 | 47 | 86 | 63 | 34 | 79 | 104 |
| 19 | 58 | 55 | 66 | 75 | 68 | 83 | 106 | 87 | 72 | 89 |
| 44 | 53 | 60 | 21 | 46 | 85 | 76 | 73 | 70 | 105 | 78 |
| 59 | 20 | 45 | 54 | 67 | 74 | 69 | 84 | 77 | 88 | 71 |

28 Area of polygon = 12



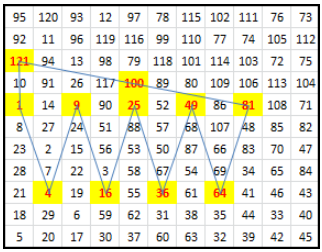
| 7 | 14 | 3 | 12 | 29 | 22 | 17 | 60 | 31 | 38 | 19 |
|---|---|---|---|---|---|---|---|---|---|---|
| 2 | 11 | 6 | 15 | 4 | 27 | 30 | 21 | 18 | 61 | 32 |
| 121 | 8 | 13 | 28 | 23 | 16 | 59 | 52 | 37 | 20 | 39 |
| 10 | 1 | 24 | 5 | 26 | 51 | 36 | 75 | 54 | 33 | 62 |
| 99 | 120 | 9 | 50 | 77 | 58 | 53 | 64 | 35 | 40 | 55 |
| 92 | 117 | 100 | 25 | 102 | 109 | 76 | 57 | 74 | 63 | 34 |
| 119 | 98 | 91 | 82 | 49 | 78 | 103 | 110 | 65 | 56 | 41 |
| 116 | 93 | 118 | 101 | 112 | 81 | 108 | 79 | 104 | 73 | 66 |
| 97 | 90 | 95 | 48 | 83 | 86 | 111 | 72 | 69 | 42 | 105 |
| 94 | 115 | 88 | 85 | 46 | 113 | 80 | 107 | 44 | 67 | 70 |
| 89 | 96 | 47 | 114 | 87 | 84 | 45 | 68 | 71 | 106 | 43 |

29 Area of polygon = 12.5



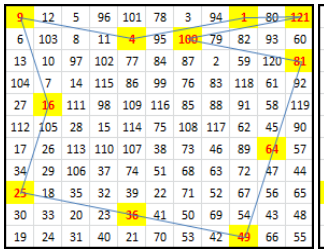
| 111 | 108 | 1 | 58 | 5 | 20 | 3 | 18 | 9 | 22 | 11 |
|---|---|---|---|---|---|---|---|---|---|---|
| 104 | 59 | 110 | 107 | 2 | 57 | 6 | 21 | 12 | 17 | 8 |
| 109 | 112 | 105 | 102 | 95 | 4 | 19 | 46 | 7 | 10 | 23 |
| 60 | 103 | 94 | 121 | 106 | 45 | 56 | 71 | 42 | 13 | 16 |
| 113 | 116 | 101 | 96 | 93 | 70 | 47 | 44 | 15 | 24 | 41 |
| 100 | 61 | 118 | 115 | 120 | 67 | 72 | 55 | 50 | 43 | 14 |
| 117 | 114 | 87 | 92 | 97 | 48 | 69 | 66 | 25 | 40 | 51 |
| 88 | 99 | 62 | 119 | 68 | 73 | 54 | 49 | 52 | 35 | 26 |
| 83 | 86 | 81 | 98 | 91 | 76 | 65 | 30 | 37 | 32 | 39 |
| 80 | 89 | 84 | 63 | 78 | 29 | 74 | 53 | 34 | 27 | 36 |
| 85 | 82 | 79 | 90 | 75 | 64 | 77 | 28 | 31 | 38 | 33 |

30 Area of polygon = 55.5



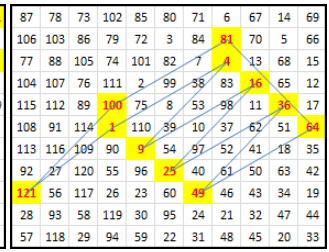
| 95 | 120 | 93 | 12 | 97 | 78 | 115 | 102 | 111 | 76 | 73 |
|---|---|---|---|---|---|---|---|---|---|---|
| 92 | 11 | 96 | 119 | 116 | 99 | 110 | 77 | 74 | 105 | 112 |
| 121 | 94 | 13 | 98 | 79 | 118 | 101 | 114 | 103 | 72 | 75 |
| 10 | 91 | 26 | 117 | 100 | 89 | 80 | 109 | 106 | 113 | 104 |
| 1 | 14 | 9 | 90 | 25 | 52 | 49 | 86 | 81 | 108 | 71 |
| 8 | 27 | 24 | 51 | 88 | 57 | 68 | 107 | 48 | 85 | 82 |
| 23 | 2 | 15 | 56 | 53 | 50 | 87 | 66 | 83 | 70 | 47 |
| 28 | 7 | 22 | 3 | 58 | 67 | 54 | 69 | 34 | 65 | 84 |
| 21 | 4 | 19 | 16 | 55 | 36 | 61 | 64 | 41 | 46 | 43 |
| 18 | 29 | 6 | 59 | 62 | 31 | 38 | 35 | 44 | 33 | 40 |
| 5 | 20 | 17 | 30 | 37 | 60 | 63 | 32 | 39 | 42 | 45 |

31 Area of polygon = 24



| 9 | 12 | 5 | 96 | 101 | 78 | 3 | 94 | 1 | 80 | 121 |
|---|---|---|---|---|---|---|---|---|---|---|
| 6 | 103 | 8 | 11 | 4 | 95 | 100 | 79 | 82 | 93 | 60 |
| 13 | 10 | 97 | 102 | 77 | 84 | 87 | 2 | 59 | 120 | 81 |
| 104 | 7 | 14 | 115 | 86 | 99 | 76 | 83 | 118 | 61 | 92 |
| 27 | 16 | 111 | 98 | 109 | 116 | 85 | 88 | 91 | 58 | 119 |
| 112 | 105 | 28 | 15 | 114 | 75 | 108 | 117 | 62 | 45 | 90 |
| 17 | 26 | 113 | 110 | 107 | 38 | 73 | 46 | 89 | 64 | 57 |
| 34 | 29 | 106 | 37 | 74 | 51 | 68 | 63 | 72 | 47 | 44 |
| 25 | 18 | 35 | 32 | 39 | 22 | 71 | 52 | 67 | 56 | 65 |
| 30 | 33 | 20 | 23 | 36 | 41 | 50 | 69 | 54 | 43 | 48 |
| 19 | 24 | 31 | 40 | 21 | 70 | 53 | 42 | 49 | 66 | 55 |

32 Area of polygon = 72



| 87 | 78 | 73 | 102 | 85 | 80 | 71 | 6 | 67 | 14 | 69 |
|---|---|---|---|---|---|---|---|---|---|---|
| 106 | 103 | 86 | 79 | 72 | 3 | 84 | 81 | 70 | 5 | 66 |
| 77 | 88 | 105 | 74 | 101 | 82 | 7 | 4 | 13 | 68 | 15 |
| 104 | 107 | 76 | 111 | 2 | 99 | 38 | 83 | 16 | 65 | 12 |
| 115 | 112 | 89 | 100 | 75 | 8 | 53 | 98 | 11 | 36 | 17 |
| 108 | 91 | 114 | 1 | 110 | 39 | 10 | 37 | 62 | 51 | 64 |
| 113 | 116 | 109 | 90 | 9 | 54 | 97 | 52 | 41 | 18 | 35 |
| 92 | 27 | 120 | 55 | 96 | 25 | 40 | 61 | 50 | 63 | 42 |
| 121 | 56 | 117 | 26 | 23 | 60 | 49 | 46 | 43 | 34 | 19 |
| 28 | 93 | 58 | 119 | 30 | 95 | 24 | 21 | 32 | 47 | 44 |
| 57 | 118 | 29 | 94 | 59 | 22 | 31 | 48 | 45 | 20 | 33 |

33 Area of polygon = 17.5

Figure 35 and Figure 36 have the consecutive square numbers in flamingo {1, 6} path and the area of polygons is 14 and 28.5 respectively. Figure 37 and Figure 38 have the consecutive square numbers in leaper {4, 5} path and the area of polygons is 22 and 22.5 respectively. Figure 39 delineates heart shape.

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 57 | 20 | 87 | 4 | 55 | 22 | 89 | 6 | 53 | 30 | 11 |
| 108 | 3 | 56 | 21 | 88 | 5 | 54 | 31 | 10 | 27 | 52 |
| 19 | 58 | 109 | 86 | 23 | 32 | 7 | 90 | 51 | 12 | 29 |
| 60 | 107 | 2 | 33 | 110 | 105 | 24 | 9 | 28 | 91 | 26 |
| 1 | 18 | 59 | 106 | 85 | 8 | 103 | 50 | 25 | 82 | 13 |
| 42 | 61 | 34 | 17 | 104 | 111 | 84 | 79 | 14 | 49 | 92 |
| 69 | 120 | 43 | 62 | 35 | 78 | 15 | 102 | 83 | 76 | 81 |
| 116 | 41 | 70 | 121 | 16 | 63 | 112 | 77 | 80 | 93 | 48 |
| 119 | 68 | 117 | 44 | 113 | 36 | 99 | 46 | 101 | 96 | 75 |
| 40 | 115 | 66 | 71 | 38 | 45 | 64 | 73 | 98 | 47 | 94 |
| 67 | 118 | 39 | 114 | 65 | 72 | 37 | 100 | 95 | 74 | 97 |

34 Area of polygon = 38.5

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 120 | 9 | 48 | 25 | 44 | 29 | 42 | 33 | 38 | 31 |
| 10 | 7 | 26 | 119 | 28 | 47 | 50 | 45 | 30 | 41 | 36 |
| 121 | 2 | 81 | 8 | 49 | 24 | 43 | 34 | 37 | 32 | 39 |
| 6 | 11 | 118 | 27 | 82 | 89 | 46 | 51 | 40 | 35 | 72 |
| 3 | 98 | 5 | 80 | 23 | 116 | 83 | 90 | 73 | 52 | 85 |
| 12 | 17 | 94 | 117 | 92 | 79 | 88 | 115 | 84 | 71 | 74 |
| 97 | 4 | 99 | 16 | 95 | 22 | 91 | 78 | 75 | 86 | 53 |
| 18 | 13 | 96 | 93 | 106 | 61 | 76 | 87 | 114 | 57 | 70 |
| 103 | 100 | 15 | 64 | 21 | 66 | 109 | 68 | 77 | 54 | 113 |
| 14 | 19 | 102 | 105 | 62 | 107 | 60 | 111 | 56 | 69 | 58 |
| 101 | 104 | 63 | 20 | 65 | 110 | 67 | 108 | 59 | 112 | 55 |

35 Area of polygon = 14

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 7 | 22 | 1 | 12 | 9 | 114 | 25 | 42 | 49 | 46 | 51 |
| 92 | 13 | 8 | 23 | 26 | 41 | 10 | 115 | 52 | 43 | 48 |
| 21 | 6 | 93 | 2 | 11 | 24 | 113 | 40 | 47 | 50 | 45 |
| 94 | 91 | 14 | 27 | 112 | 39 | 116 | 69 | 44 | 53 | 56 |
| 29 | 20 | 5 | 96 | 3 | 70 | 37 | 110 | 55 | 68 | 65 |
| 90 | 95 | 28 | 15 | 38 | 111 | 108 | 117 | 66 | 57 | 54 |
| 19 | 30 | 73 | 4 | 97 | 16 | 71 | 36 | 109 | 64 | 67 |
| 74 | 89 | 18 | 81 | 72 | 35 | 98 | 107 | 118 | 103 | 58 |
| 31 | 82 | 33 | 86 | 17 | 80 | 119 | 78 | 61 | 100 | 63 |
| 88 | 75 | 84 | 121 | 34 | 77 | 106 | 99 | 102 | 59 | 104 |
| 83 | 32 | 87 | 76 | 85 | 120 | 79 | 60 | 105 | 62 | 101 |

36 Area of polygon = 28.5

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 22 | 119 | 26 | 19 | 42 | 7 | 28 | 11 | 40 | 9 |
| 118 | 25 | 2 | 21 | 6 | 27 | 18 | 41 | 8 | 29 | 12 |
| 23 | 120 | 117 | 104 | 3 | 20 | 43 | 14 | 39 | 10 | 49 |
| 116 | 81 | 24 | 5 | 46 | 103 | 38 | 17 | 48 | 13 | 30 |
| 121 | 112 | 105 | 82 | 37 | 4 | 47 | 44 | 15 | 50 | 53 |
| 92 | 115 | 80 | 111 | 102 | 45 | 16 | 51 | 54 | 31 | 66 |
| 113 | 110 | 93 | 106 | 83 | 36 | 101 | 70 | 65 | 52 | 55 |
| 94 | 91 | 114 | 79 | 62 | 71 | 64 | 99 | 56 | 67 | 32 |
| 109 | 88 | 107 | 84 | 97 | 100 | 35 | 72 | 69 | 74 | 57 |
| 90 | 95 | 86 | 61 | 78 | 63 | 98 | 59 | 76 | 33 | 68 |
| 87 | 108 | 89 | 96 | 85 | 60 | 77 | 34 | 73 | 58 | 75 |

37 Area of polygon = 22

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 119 | 42 | 117 | 114 | 121 | 40 | 73 | 96 | 17 | 38 | 71 |
| 116 | 113 | 120 | 41 | 6 | 97 | 4 | 39 | 72 | 95 | 18 |
| 43 | 118 | 115 | 98 | 3 | 74 | 91 | 16 | 93 | 70 | 37 |
| 112 | 99 | 108 | 7 | 90 | 5 | 84 | 75 | 36 | 19 | 94 |
| 109 | 44 | 111 | 2 | 47 | 76 | 89 | 92 | 15 | 64 | 69 |
| 100 | 1 | 46 | 107 | 8 | 85 | 14 | 83 | 66 | 35 | 20 |
| 45 | 110 | 9 | 86 | 13 | 48 | 77 | 88 | 63 | 68 | 65 |
| 10 | 101 | 54 | 25 | 106 | 87 | 82 | 67 | 78 | 21 | 34 |
| 53 | 26 | 51 | 12 | 49 | 24 | 105 | 22 | 33 | 62 | 59 |
| 102 | 11 | 28 | 55 | 104 | 81 | 30 | 57 | 60 | 79 | 32 |
| 27 | 52 | 103 | 50 | 29 | 56 | 23 | 80 | 31 | 58 | 61 |

38 Area of polygon = 22.5

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 7 | 20 | 3 | 12 | 5 | 88 | 45 | 102 | 99 | 86 | 43 |
| 92 | 11 | 6 | 19 | 2 | 13 | 98 | 87 | 44 | 101 | 104 |
| 21 | 8 | 91 | 4 | 97 | 46 | 89 | 100 | 103 | 42 | 85 |
| 10 | 93 | 18 | 109 | 90 | 1 | 14 | 115 | 84 | 105 | 82 |
| 69 | 22 | 9 | 96 | 15 | 110 | 47 | 106 | 81 | 114 | 41 |
| 94 | 17 | 70 | 67 | 108 | 65 | 116 | 111 | 118 | 83 | 80 |
| 23 | 68 | 95 | 16 | 77 | 48 | 107 | 64 | 79 | 40 | 113 |
| 28 | 75 | 24 | 73 | 66 | 63 | 78 | 117 | 112 | 119 | 52 |
| 31 | 34 | 29 | 76 | 25 | 60 | 49 | 120 | 53 | 56 | 39 |
| 74 | 27 | 32 | 35 | 72 | 121 | 62 | 37 | 58 | 51 | 54 |
| 33 | 30 | 73 | 26 | 61 | 36 | 59 | 50 | 55 | 38 | 57 |

39

Table below shows the smallest and largest area of the polygons and readers are urged to improve up on it.

**Area of polygon with square numbers in various pieces path**

| Piece | wazir {0, 1} | knight {1, 2} | zebra {2, 3} | giraffe {1, 4} | antelope {3, 4} | flamingo {1, 6} | leaper {4, 5} |
|---|---|---|---|---|---|---|---|
| Smallest | 4.5 | 8.5 | 12.5 | 24 | 17.5 | 14 | 22 |
| Largest | 12 | 62 | 55.5 | 72 | 38.5 | 28.5 | 22.5 |

**Dedication**: Italy has produced many great mathematicians and Leonardo Fibonacci (1170 – 1250) is one of the most prominent ones. Fibonacci sequence 1, 1, 2, 3, 5, 8, 13, 21 … has been fascinating humankind for over eight centuries and Figure 40 is a monogram tour (knight moves delineating letters) with Fibonacci numbers delineating letters 'L' and 'F' acronym of his name. Luigi Centurini (1820 – 1900) was an Italian jurist, chess player, and a world famous chess composer. Figure 41 and Figure 42 delineate letters 'L' and 'C' of his name. **The author dedicates this article to commemorate his 121st death anniversary.**

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 17 | 22 | 19 | 40 | 61 | 100 | 105 | 42 | 107 | 98 | 93 |
| 20 | 39 | 16 | 7 | 104 | 41 | 102 | 99 | 92 | 43 | 108 |
| 23 | 18 | 21 | 60 | 101 | 62 | 1 | 106 | 89 | 94 | 97 |
| 38 | 15 | 8 | 63 | 6 | 103 | 88 | 91 | 96 | 109 | 44 |
| 9 | 24 | 37 | 14 | 59 | 64 | 5 | 2 | 111 | 90 | 95 |
| 36 | 57 | 34 | 65 | 54 | 87 | 112 | 115 | 4 | 45 | 110 |
| 25 | 10 | 55 | 58 | 13 | 32 | 3 | 86 | 113 | 116 | 79 |
| 56 | 35 | 12 | 33 | 66 | 53 | 114 | 75 | 80 | 121 | 46 |
| 11 | 26 | 69 | 52 | 31 | 74 | 85 | 120 | 117 | 78 | 81 |
| 70 | 51 | 28 | 67 | 72 | 49 | 30 | 83 | 76 | 47 | 118 |
| 27 | 68 | 71 | 50 | 29 | 84 | 73 | 48 | 119 | 82 | 77 |

40

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 7 | 12 | 5 | 18 | 3 | 52 | 105 | 114 | 109 | 54 | 57 |
| 14 | 19 | 8 | 1 | 106 | 115 | 108 | 53 | 56 | 113 | 110 |
| 11 | 6 | 13 | 4 | 17 | 2 | 51 | 104 | 111 | 58 | 55 |
| 20 | 15 | 22 | 9 | 26 | 107 | 116 | 73 | 118 | 103 | 112 |
| 23 | 10 | 27 | 16 | 35 | 50 | 121 | 82 | 101 | 72 | 59 |
| 28 | 21 | 34 | 25 | 80 | 37 | 100 | 117 | 74 | 119 | 102 |
| 33 | 24 | 39 | 36 | 49 | 64 | 81 | 120 | 83 | 60 | 71 |
| 40 | 29 | 42 | 65 | 38 | 79 | 90 | 99 | 62 | 75 | 84 |
| 43 | 32 | 45 | 48 | 89 | 96 | 63 | 78 | 91 | 70 | 61 |
| 46 | 41 | 30 | 95 | 66 | 87 | 98 | 93 | 68 | 85 | 76 |
| 31 | 44 | 47 | 88 | 97 | 94 | 67 | 86 | 77 | 92 | 69 |

41

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 13 | 10 | 17 | 38 | 7 | 28 | 107 | 54 | 105 | 30 | 109 |
| 18 | 39 | 12 | 9 | 4 | 1 | 6 | 29 | 108 | 55 | 104 |
| 11 | 14 | 3 | 16 | 37 | 8 | 27 | 106 | 53 | 110 | 31 |
| 40 | 19 | 42 | 25 | 2 | 5 | 52 | 111 | 96 | 103 | 56 |
| 43 | 22 | 15 | 36 | 51 | 26 | 83 | 102 | 85 | 32 | 95 |
| 20 | 41 | 24 | 49 | 82 | 99 | 34 | 97 | 112 | 57 | 86 |
| 23 | 44 | 21 | 64 | 35 | 50 | 101 | 84 | 33 | 94 | 113 |
| 70 | 65 | 48 | 81 | 100 | 121 | 98 | 93 | 114 | 87 | 58 |
| 45 | 80 | 71 | 68 | 63 | 76 | 73 | 88 | 117 | 92 | 115 |
| 66 | 69 | 78 | 47 | 72 | 61 | 120 | 75 | 90 | 59 | 118 |
| 79 | 46 | 67 | 62 | 77 | 74 | 89 | 60 | 119 | 116 | 91 |

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