WCCI 2019-2021
FAIRY
MICHAEL GRUSHKO
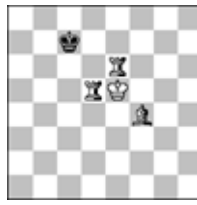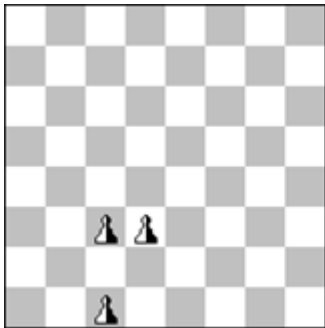### BOX 363   KIRYAT-BIALIK   27019   ISRAEL
bargrushko@bezeqint.net

N 1

The Problemist November 2020.

11/2020   F 3625

BeginProblem

Stipulation ser-s#16
Option Variation NoBoard
Condition
AlphabeticChess EinsteinChess
PWC RepublicanChess
Pieces
neutral pc1c3d3
Popeye Windows-32Bit v4.83 (512 MB)

A)

1.nPc1-c2 2.nPc2*d3=S[+nPc2] 3.nPc2*d3=S[+nSc2] 4.nSc2-d4=P
5.nPc3*d4=S[+nPc3] 6.nPc3*d4=S[+nSc3]

7.nSc3-e2=P 8.nSd3-c1=P 9.nPc1-c3 10.nPc3*d4=S[+nSc3]
11.nSc3*e2=B[+nPc3] 12.nPc3*d4=S[+nSc3

] 13.nSc3*e2=B[+nBc3] 14.nBc3*d4=R[+nSc3]
15.nSc3*e2=B[+nBc3] 16.nBc3*d4=R[+nRc3][+bKc4] + Kc4-
b5[+wKd3] #

1.nPc3*d4=S[+nPc3] 2.nPc3*d4=S[+nSc3] 3.nSc3-d5=P 4.nSd4-e6=P 5.nPd3-d4 6.nPd5*e6=S[+nPd5]

7.nPd5*e6=S[+nSd5] 8.nSd5-f4=P 9.nPd4-d5 10.nPd5*e6=S[+nSd5] 11.nSd5*f4=B[+nPd5] 12.nPd5*e6=S[+nSd5]

13.nSd5*f4=B[+nBd5] 14.nBd5*e6=R[+nSd5] 15.nSd5*f4=B[+nBd5] 16.nBd5*e6=R[+nRd5][+bKd6] + Kd6-c7[+wKe5] #

<u>Fairy mate by triple check.</u>

F3625 by the Israeli expert has only neutral pawns and the solver needs to find a position in which the black

king can be placed on the board into mate (Republican chess). There are no kings or checks until then.

Obviously echo mates are involved, but which pieces to create and how to configure a mate position are the

difficult tasks for solvers. In Einstein chess a unit making a capture is transformed in the sequence

P>S>B>R>Q>Q, and a unit making a non-capture is transformed in the sequence Q>R>B>S>P>P. There are no
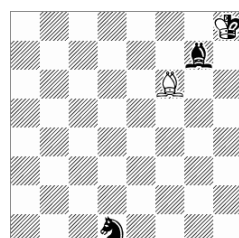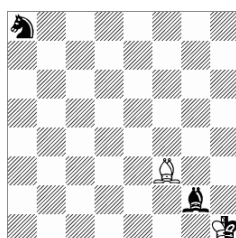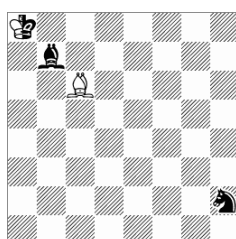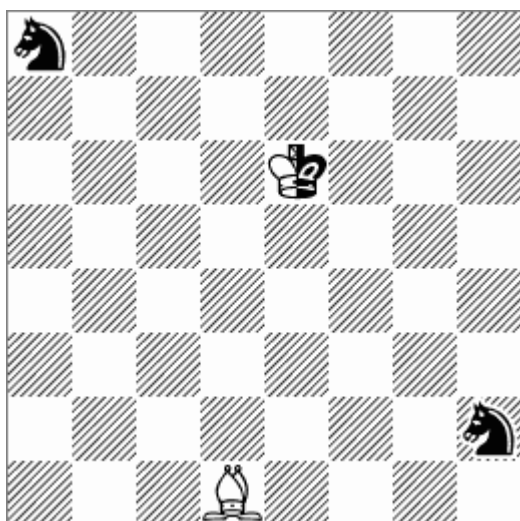
 regular promotions. The NPc1 can be moved only by White and can move 1, 2 or 3 steps.

No. 1588 Michael Grushko
Israel
original - 28.02.2021

Julia's Fairies

BeginProblem
Stipulation hs#4.5
Option Variation NoBoard SetPlay
Condition
GhostChess ProteanChess
Pieces
white Ba4
black Sh2,Sa8
neutral Ke6
EndProblem

Popeye Windows-64Bit v4.83 (2048 MB)

A)

1...nKe6-f5 2.Bd1-g4 + Sh2*g4=B + 3.nKf5*g4=nrB nrBg4-f3[+buBg4] + 4.nrBf3-h1 uBg4-h3[+wuBg4] 5.uBg4-f3 + uBh3-g2 #

B) wBd1→a4

1...Sa8-b6 2.Ba4-d7 + Sb6*d7=B + 3.nKe6*d7=nrB nrBd7-c6[+buBd7] + 4.nrBc6-a8 uBd7-c8[+wuBd7] 5.uBd7-c6 + uBc8-b7 #

C) wBd1 ←→bSh2

1...nKe6-d7 2.Bh2-c7 Sa8*c7=B 3.nKd7*c7=nrB nrBc7-e5[+buBc7] + 4.nrBe5-h8 uBc7-d8[+wuBc7] 5.uBc7-e5 + uBd8-f6 #
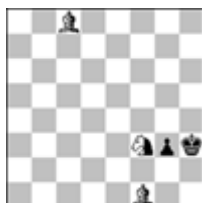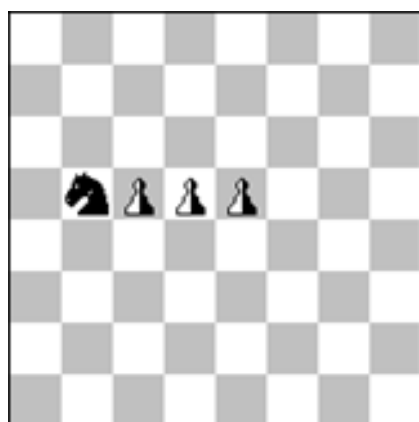
Author believes this combination of fairy conditions is used for the first time.

The Problemist March **2021.**

11/2020   F 3649

Michael Grushko

BeginProblem
Stipulation **Ser-h#32**
Option Variation NoBoard
Condition
AlphabeticChess Circe
EinsteinChess RepublicanChess
Pieces
neutral Pc5d5e5
black Sb5
EndProblem

Popeye Windows-32Bit v4.83 (512 MB)

1.Sb5-d6=P 2.nPc5-c4 3.nPc4-c3 4.nPc3-c2 5.nPc2-c1 6.nPd5-d4 7.nPd4-d3 8.nPd3-d2
9.nPd2-d1   10.d6*e5=S[+nPe2]   11.nPe2-e1   12.Se5-d3=P   13.d3-d2   14.d2*c1=S[+nPc2]
15.Sc1-e2=P 16.nPc2*d1=S[+nPd2] 17.nSd1-f2=P 18.nPd2-d1 19.e2*d1=S[+nPd2] 20.Sd1-
e3=P   21.nPd2*e1=S[+nPe2]   22.nSe1-f3=P   23.nPe2-e1   24.e3-e2   25.nPf2-f1
26.e2*f1=S[+nPf2] 27.Sf1-g3=P 28.nPf2*e1=S[+nPe2] 29.nSe1*f3=B[+nPf2] 30.nPe2-e1
        31.nPf2*e1=S[+nPe2]   32.nSe1*f3=B[+nBf1] nPe2*f3=S[+nBc8][+bKh3] #
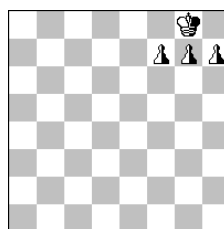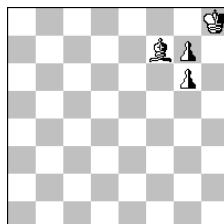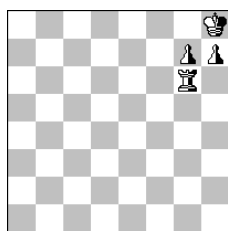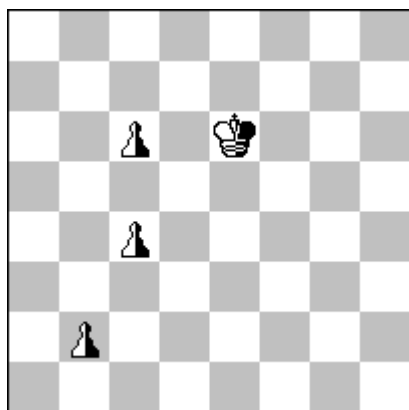
As it can be seen, none of the figures that stands at the beginning of the board, did not participate in these finals!!

No. 1526 MICHAEL GRUSHKO

Israel

original - 30.07.2020

BeginProblem

Stipulation

Option Variation NoBoard

Condition

AlphabeticChess

CirceClone Take&MakeChess

Pieces

neutral Pb2c4c6 Ke6

EndProblem

A)   ser-h#15   2 solution

Popeye Windows-32Bit v4.73 (512 MB)

1.nPb2-b1=nR 2.nRb1-b5 3.nRb5-d5 4.nPc4-c3 5.nPc3-c2 6.nPc2-c1=nB
7.nBc1-h6 8.nPc6*d5-g5[+nPd2] 9.nPd2-d1=nR 10.nRd1-d8 11.nRd8-f8
12.nKe6-e7 13.nKe7*f8-h8[+nRa1] 14.nRa1-a6
15.nRa6-g6 nPg5*h6-g7[+nPh7] #

1.nPb2-b1=nB 2.nBb1-a2 3.nBa2*c4-c5[+nBf1] 4.nBc5-d4 5.nPc6-c5
6.nPc5*d4-f2[+nPd2] 7.nPd2-d1=nR 8.nRd1-d8 9.nRd8-f8 10.nKe6-e7
11.nKe7*f8-h8[+nRa1] 12.nRa1-a3 13.nRa3-g3 14.nBf1-c4
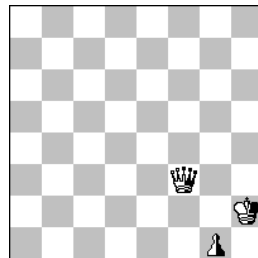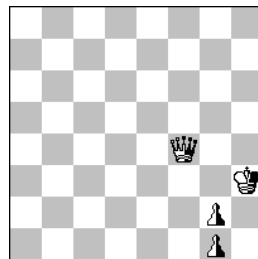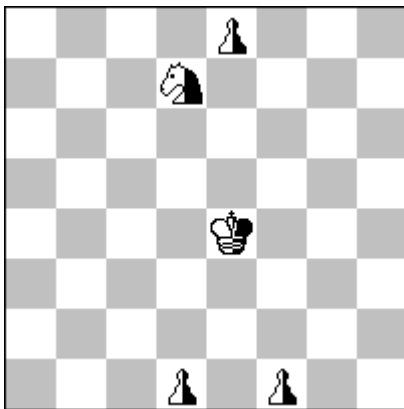15.nBc4-f7 nPf2*g3-g6[+nPg7] #

B)   nPb2→e5

ser-h#15

Popeye Windows-32Bit v4.73 (512 MB)

1.nPc4-c3 2.nPc3-c2 3.nPc2-c1=nQ 4.nQc1*c6-c7[+nQd1] 5.nQc7-c1 6.nQc1-f4 7.nQd1-g1 8.nPe5*f4-f3[+nPf2] 9.nKe6-f7 10.nPf2*g1-g7[+nPg2] 11.nPf3*g2-g4[+nPg2] 12.nKf7-g8 13.nPg2-g1=nQ 14.nQg1-c5 15.nQc5-h5 nPg4*h5-f7[+nPh7] #

VARIANTIM -> 81-08-2020

3505

MICHAEL GRUSHKO

BeginProblem

Stipulation **Ser-h#17**
Option Variation NoBoard
Condition
AlphabeticChess ChameleonCirce
EinsteinChess Take&MakeChess
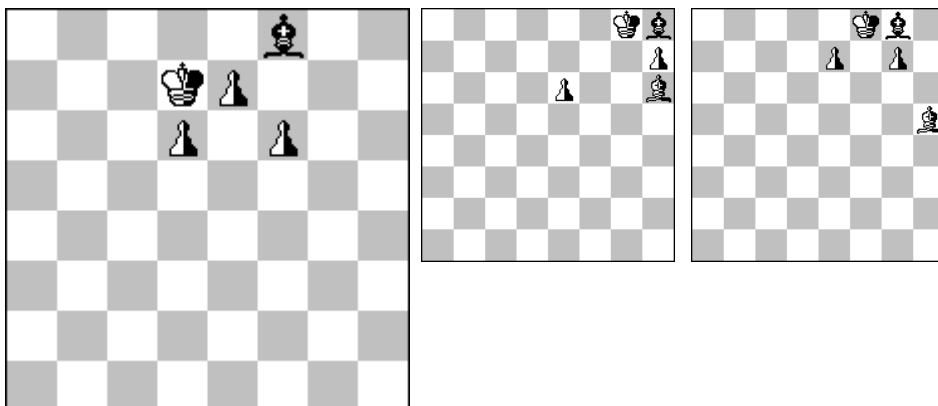Pieces
Neutral Sd7 Pf1e8c1 Ke4
EndProblem

Popeye Windows-32Bit v4.73 (512 MB)

2 Solution

1.nSd7-e5=P 2.nKe4*e5-e6[+nPe2] 3.nPe2*d1-d2=S 4.nSd2*f1-f4=B[+nPf2]

5.nKe6-f5 6.nPe8-e5 7.nPe5*f4-g5=S[+nBc1] 8.nBc1*g5-h3=R[+nSg1]

9.nPf2*g1-e2=S[+nSg1] 10.nSe2-g3=P 11.nKf5-g4 12.nSg1*h3-h2=B[+nRh1]

13.nPg3-g2 14.nPg2-g1 15.nKg4-h3 16.nRh1*h2-f4=Q[+nBc1]

17.nBc1-e3=S nSe3-g2=P #

1.nSd7-f6=P 2.nKe4-f5 3.nPe8-e5 4.nKf5*e5-e6[+nPe2] 5.nPe2-e1

6.nKe6*f6-f7[+nPf2] 7.nPf2*e1-e4=S[+nPe2] 8.nPe2*d1-d2=S 9.nSd2*f1-f2=B

10.nSe4*f2-e3=B[+nBc1] 11.nBc1*e3-h6=R[+nBc1] 12.nBc1*h6-h8=R[+nRa1]

13.nRa1-h1=B 14.nKf7-g7 15.nKg7*h8-h2[+nRa1] 16.nRa1*h1-f3=Q[+nBf1]

17.nBf1-e2=S nSe2-g1=P #

Michael Grushko
Best Problems 2021

Stipulation ser-h#16
Option Variation NoBoard
Condition
ABC CirceClone
Take&MakeChess
Pieces
neutral Pe7f6d6 Kd7
black Bf8
EndProblem

Popeye Windows-32Bit v4.67 (512 MB)

A)

1.nPd6-d5 2.nPd5-d4 3.nPd4-d3 4.nPd3-d2 5.nPd2-d1=nS 6.nSd1-f2 7.nKd7*e7-e8[+nPe2]
8.nPe2-e1=nB 9.nBe1*f2-h3[+nBc1] 10.nBc1-g5 11.nKe8-f7 12.nPf6*g5-c1=nQ[+nPg2]
13.nQc1-h6 14.nKf7-g8 15.Bf8*h6-h8[+nBc1] 16.nBc1-h6 nPg2*h3-e6[+nPh7] #

B) Bf8→a1

1.Ba1-e5 2.nPd6-d5 3.nPd5-d4 4.nPd4-d3 5.nPd3-d2 6.nPd2-d1=nB 7.nBd1-f3 8.nKd7*e7-e8[+nPe2]
9.nPe2-e1=nQ 10.nQe1-g3 11.Be5*g3-g8[+nBc1] 12.nBc1-g5 13.nKe8-f8 14.nBf3-h5 15.nPf6-f5 16.nPf5-
f4 nPf4*g5-e7[+nPg7] #

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