

Chu Shogi Tsumeshogi Solutions – Volume 1

A. M. DeWitt

Introduction

A **tsumeshogi** is a mating problem where you play as Black and try to force mate the enemy, White, as fast as possible. All moves by the moving side must be checks (attacking the white King and/or Prince). The enemy must always make the move that delays checkmate as long as possible. It is assumed that the friendly side will immediately lose otherwise.

Notation Guide:

Chu Shogi typically uses the Shogi coordinate system, used here in its Westernized format.

However, the Interactive Diagrams store the coordinates internally using the SAN notation, which is shown by default. The solutions can be copied to their respective Diagram by pressing the “Play it!” link to open the AI panel, and then paste the corresponding line starting with "{123456789}" into the panel's text box.

Movement notation will start with the piece ID (shown in the table on the next page), and will usually be followed up by the destination coordinate. If needed, the origin coordinate* and/or a movement type symbol (- for move or **x** for capture) will precede the destination coordinate. This may be followed by a second movement type symbol and the destination coordinate, or a promotion symbol (+ for promotion or = for deferral).

*In SAN notation, this is typically only the file letter, but can be the rank number or the whole coordinate if needed. In Shogi notation, this is always the whole coordinate.

Shogi Coordinates (Click SAN Coords button to display on board)

```
left    right
12a --  1a    top (White half)
|        |
12l --  1l    bottom (Black half)
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SAN Coordinates (Click Shogi Coords button to display on board)

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left    right
a12 --  l12  top (White half)
|        |
a1  --  l1   bottom (Black half)
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Piece IDs

ID = Name	Mnemonic Image (Black)‡	‡Promoted versions of starting pieces have a dot (or a hollow cross if royal) in the center. White's pieces are flipped if their movements are asymmetrical.					
P = Pawn		E/+I = Drunk Elephant		B/+F = Bishop		+T = Flying Stag	
I = Go Between		X = Phoenix		R/+G = Rook		+L = White Horse	
C = Copper General		O = Kirin		H/+B = Dragon Horse		+A = Whale	
S = Silver General		L = Lance		D/+R = Dragon King		+M = Free Boar	
G/+P = Gold General*		A = Reverse Chariot		Q/+X = Queen		+V = Flying Ox	
F = Ferocious Leopard		M/+C = Side Mover		N/+O = Lion		+H = Horned Falcon	
T = Blind Tiger		V/+S = Vertical Mover		K/+E = King*		+D = Soaring Eagle	

*The promoted versions of the King and Gold General are typically called Tokin and Prince, respectively.

Tsumeshogi Solutions:

A8

1. +G-2a Kx2a 2. +Hx4c F-3b 3. +D-7a S-3a 4. +Hx3b Kx3b 5. +Dx3e K-4a 6. +G-12a K-5b 7. +G-12b K-4c 8. +G-12c K-5d 9. +G-5c K-6d 10. +D-5e K-7d 11. +G-7c K-8d 12. +D-7e K-9d 13. +G-9c K-10d 14. +D-9e K-11d 15. +G-11c K-12d 16. +D-11e mate.

{123456789} 1. +Rk12 Kxk12 2. +Hxi10 Fj11 3. +Df12 Sj12 4. +Hxj11 Kxj11 5. +Dxj8 Ki12 6. +Ga12 Kh11 7. +Ga11 Ki10 8. +Ga10 Kh9 9. +Gh10 Kg9 10. +Dh8 Kf9 11. +Gf10 Ke9 12. +Df8 Kd9 13. +Gd10 Kc9 14. +Dd8 Kb9 15. +Gb10 Ka9 16. +Db8

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A13

1. Nx4b OX4b (1... +Hx4b 2. F-5d+ +H-3b 3. +Fx3b Gx3b 4. +Hx2c Gx2c 5. X-4c+ K-2b 6. +Xx2c mate)
2. X-4c= Mx4c (2... +Hx4c 3. +Hx4c G-3b 4. +Hx2c Gx2c 5. +D-4c K-2b 6. +Dx2c mate) 3. +Dx4c
+Hx4c 4. +Hx4c C-3b 5. +Hx3b-3a C-3a 6. F-5d+ mate.

{123456789} 1. Nxi11 Oxi11 2. Xi10 Mxi10 3. +Dxi10 +Hxi10 4. +Hxi10 Cj11 5. +Hxi11-i12 Cj12 6.
Fh9+

{123456789} 1. Nxi11 +Hxi11 2. Fh9+ +Hj11 3. +Fj11 Gxj11 4. +Hxk10 Gxk10 5. Xi10+ Kk11 6.
+Xxk10

{123456789} 1. Nxi11 Oxi11 2. Xi10 +Hxi10 3. +Hxi10 Gj11 4. +Hxk10 Gxk10 5. +Di10 Kk11 6. +Dxk10

A17

1. +D-5a K-6d 2. Nx3c-4b +Dx4b 3. +Dx4b K-6e 4. +Dx4g K-7f 5. X-5h K-8e 6. +D-10g K-9d 7. X-7f K-
10c 8. +Dx9f-8e K-11b 9. X-9d= K-11a 10. +Gx9a Cx9a 11. +Hx9a K-12b 12. Xx7b+ G-9b 13. +Xx9b B-
10b 14. +Hx10b Qx10b 15. +Xx10b K-12a 16. +D-10c mate.

{123456789} 1. +Dh12 Kg9 2. Nxj10-i11 +Dxi11 3. +Dxi11 Kg8 4. +Dxi6 Kf7 5. Xh5 Ke8 6. +Dc6 Kd9 7.
Xf7 Kc10 8. +Dxd7-e8 Kb11 9. Xd9 Kb12 10. +Gxd12 Cxd12 11. +Hxd12 Ka11 12. Xxf11+ Gd11 13.
+Xxd11 Bc11 14. +Hxc11 Qxc11 15. +Xxc11 Ka12 16. +Dc10

A20a (P 3f)

1. +Dx8a O-7a 2. D-8c+ K-6b 3. F-8d+ Mx8d 4. +Dx8d K-5b 5. +D-7d K-6b 6. +D8a-8d K-6a 7. Hx4c+
Nx4c 8. +Fx4c T-5b 9. N-8c Gx8c 10. +D7d-8c mate.

{123456789} 1. +Dxe12 Of12 2. De10+ Kg11 3. Fe9+ Mxe9 4. +Dxe9 Kh11 5. +Df9 Kg11 6. +Dee9
Kg12 7. Hxi10+ Nxi10 8. +Fxi10 Th11 9. Ne10 Gxe10 10. +Dfxe10

A20b (P 3e)

1. Hx4c+ S-5b 2. D-8c+ K-5a 3. +Hx4bx4a Sx4a 4. +D8cx8a O-7a 5. +Dx7a Xx7a 6. +Dx7a K-4b 7.
+Dx5c Ex5c 8. +P-3c Kx3c 9. Nx6dx5c K-2d 10. N-4d K-1c 11. N-3d mate.

{123456789} 1. Hxi10+ Sh11 2. De10+ Kh12 3. +Hxi11xi12 Sxi12 4. +Dexe12 Of12 5. +Dxf12 Xxf12 6.
+Dxf12 Ki11 7. +Dxh10 Exh10 8. +Pj10 Kxj10 9. Nxx9xh10 Kk9 10. Ni9 Kl10 11. Nj9

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B12

1. +O-4d Gx4d 2. Qx6d Kx6d 3. Nx8f K-5e 4. +H-3g +R-4f 5. +Hx4f Kx4f 6. N-6h K-3f 7. Nx5h-4h K-2e 8. N-4f K-1d 9. Nx4e-3f K-1c 10. N-1e K-1b 11. Nx2d K-2a 12. N-4b K-1b 13. Nx4a-3b mate.

{123456789} 1. +Oi9 Gxi9 2. Qxg9 Kxg9 3. Nxe7 Kh8 4. +Hj6 +Ri7 5. +Hxi7 Kxi7 6. Ng5 Kj7 7. Nhx5-i5 Kk8 8. Ni7 Kl9 9. Nxi8-j7 Kl10 10. Nl8 Kl11 11. Nxx9 Kk12 12. Ni11 Kl11 13. Nxi12-j11

B15

1. N-5f K-6c 2. +O-4a Qx4a 3. P-6d= K-5b 4. N-5d K-6a 5. Nx7c mate.

{123456789} 1. Nh7 Kg10 2. +Oi12 Qxi12 3. g9 Kh11 4. Nh9 Kg12 5. Nxf10

B22

1. +H-5e Kx5e 2. O-3e Mx3e 3. +H-3g K-4e 4. +Hx3e Kx3e 5. Q-3g K-4e 6. Q-4f K-3d 7. Q-3f K-4c 8. Vx2a+ K-5c 9. Q-3a K-5b 10. +V-2e T-4c 11. Q-3b K-5c 12. Qx4c K-6d 13. Qx4d K-7e 14. Q-7g K-6d 15. +V-2h K-5d 16. Q-5e K-4c 17. +V-2e K-4b 18. Q-4d K-3a 19. Q-3c K-4a 20. +V-4c mate.

{123456789} 1. +Hh8 Kxh8 2. Oj8 Mxj8 3. +Hj6 Ki8 4. +Hxj8 Kxj8 5. Qj6 Ki8 6. Qi7 Kj9 7. Qj7 Ki10 8. Vxk12+ Kh10 9. Qj12 Kh11 10. +Vk8 Ti10 11. Qj11 Kh10 12. Qxi10 Kg9 13. Qxi9 Kf8 14. Qf6 Kg9 15. +Vk5 Kh9 16. Qh8 Ki10 17. +Vk8 Ki11 18. Qi9 Kj12 19. Qj10 Ki12 20. +Vi10

B23

1. +A-5d Mx5d 2. +P-4b Rx4b 3. +L-5b Gx5b 4. +H-9a Nx9a 5. O-5c= Xx5c 6. Qx9a +Ax9a 7. N-7b and Lion mate follows.

{123456789} 1. +Ah9 Mxh9 2. +Pi11 Rxi11 3. +Lh11 Gxh11 4. +Hd12 Nxd12 5. Oh10 Xxh10 6. Qxd12 +Axd12 7. Nf11 Ki12 8. Nxg11-g12 Kj12 9. Nhx11-h12 Kk11 10. Nxi11 Kl10 11. Nxx12 Kl9 12. Nxl11-k11 Kk8 13. Nxx10-j10 Kj7 14. Nxx9-l8 Ki6 15. Nk7 Kh7 16. Ni5 Kh8 17. Ni6 Kg9 18. Nh7 Kf10 19. Nxx8 Ke11 20. Nxx9-g9 Kd10 21. Ne8 Kc11 22. Nc9 Kc12 23. Nc10

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B45

1. +B-6f K-5d 2. +Bx4d K-6e 3. +B-6f Kx6f 4. +Mx9i Xx9i= 5. +T-5f Kx7f 6. +T-6g K-8g 7. +T-7h K-9h 8. +A-11f Mx11f 9. T-10i Kx10i 10. N-12g K-9c 11. N-11h K-9k 12. Nx9i K-8l 13. N-10j K-7l 14. +Tx7j +Rx7j 15. N-9l K-6k 16. +M-10k K-6j 17. N-8l K-6i 18. +Mx12i K-6h 19. Nx7j K-6g 20. +M-8i K-6f 21. N-6h K-7e 22. Nx5g-5f K-8d 23. N-6f K-8c 24. +M-5f K-9c 25. N-7d K-10d 26. +Mx8f K-11e 27. Nx9d K-12f 28. N-10d K-12g 29. +M-7g DE-9g 30. N-10e K-12h 31. +M-10j K-11h 32. Nx9g K-12i 33. N-10i mate.

{123456789} 1. +Bg7 Kh9 2. +Bxi9 Kg8 3. +Bg7 Kxg7 4. +Mxd4 Xxd4 5. +Th7 Kxf7 6. +Tg6 Ke6 7. +Tf5 Kd5 8. +Ab7 Mxb7 9. Tc4 Kxc4 10. Na6 Kd3 11. Nb5 Kd2 12. Nxd4 Ke1 13. Nc3 Kf1 14. +Txf3 +Rxf3 15. Nd1 Kg2 16. +Mc2 Kg3 17. Ne1 Kg4 18. +Mxa4 Kg5 19. Nxf3 Kg6 20. +Me4 Kg7 21. Ng5 Kf8 22. Nxb6-h7 Ke9 23. Ng7 Ke10 24. +Mh7 Kd10 25. Nf9 Kc9 26. +Mxe7 Kb8 27. Nxd9 Ka7 28. Nc9 Ka6 29. +Mf6 Ed6 30. Nc8 Ka5 31. +Mc3 Kb5 32. Nxd6 Ka4 33. Nc4

B50

1. +M-1h Qx1h 2. F-8c Cx8c 3. +Dx8c Kx8c 4. N-7e K-9b 5. N-7d K-10c 6. N-8c K-11c 7. N-10a K-10d 8. Nx12b K-9e 9. N-10c K-9f 10. N-11e and Lion mate on the 1-file follows.

{123456789} 1. +Ml5 Qxl5 2. Fe10 Cxe10 3. +Dxe10 Kxe10 4. Nf8 Kd11 5. Nf9 Kc10 6. Ne10 Kb10 7. Nc12 Kc9 8. Nxa11 Kd8 9. Nc10 Kd7 10. Nb8 Ke6 11. Nc7 Kf5 12. Nd6 Kg4 13. Ne4 Kh5 14. Nf6 Ki4 15. Ng4 Kj5 16. Nh5 Kk4 17. Ni4 Kl3 18. Nj4

C14

1. +A-10k +Dx10k 2. +H-6i K-9d 3. +H-6g K-10e 4. +H-8g Mx8g 5. Nx8g K-9d 6. Q-7f Px7f 7. N-8f K-8c 8. +I-9b Dx9b 9. +R-2c M-5c 10. +Rx5c E-6c 11. +Rx6c F-7c 12. +Rx7c mate.

{123456789} 1. +Ac2 +Dxc2 2. +Hg4 Kd9 3. +Hg6 Kc8 4. +He6 Mxe6 5. Nxe6 Kd9 6. Qf7 fxf7 7. Ne7 Ke10 8. +Id11 Dxd11 9. +Rk10 Mh10 10. +Rxb10 Eg10 11. +Rxb10 Ff10 12. +Rxf10

C21

1. H-7d+ K-8b 2. +Hx7c-7d K-9c 3. Q-9i +B-9d 4. +P-9b +Dx9b 5. Qx9d K-10b 6. +Hx9b K-11a 7. Q-11a mate.

{123456789} 1. Hf9+ Ke11 2. +Hxf10xf9 Kd10 3. Qd4 +Bd9 4. +Pd11 +Dxd11 5. Qxd9 Kc11 6. +Hxd11 Kb12 7. Qb11

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C22

1. Q-1l +Mx1l 2. +V-1f Dx1f 3. +D-3d K-2b 4. +D-3c +Vx3c 5. +D-2d K-3b 6. +Dx3c-4b Kx4b 7. O-2d+ K-5c 8. N-3d K-6d 9. Nx4c K-7c 10. N-6e and Lion mate follows.

{123456789} 1. Ql1 +Mxl1 2. +Vl7 Dxl7 3. +Dj9 Kk11 4. +Dj10 +Vxj10 5. +Dk9 Kj11 6. +Dxj10-i11 Kxi11 7. Ok9+ Kh10 8. +Oj9 Kg9 9. +Oxi10 Kf10 10. +Og8 Kf11 11. +Oe9 Kg12 12. +Oe11 Kh12 13. +Of12 Ki11 14. +Oxg11xg10 Kj10 15. +Oh10 Kk9 16. +Oi10 Kl8 17. +Oj9

C25

1. +H-11b Kx11b 2. +D-9d K-10a 3. +Mx6e K-9a 4. +M-2a K-8b 5. +M-3b +B-4b 6. +Mx4b K-9a 7. +M-6d K-10a 8. L-12c+ K-9b 9. +D-7b O-8b 10. +D-7d K-9a 11. +M-3a O-7a 12. +Mx7a mate.

{123456789} 1. +Hb11 Kxb11 2. +Dd9 Kc12 3. +Mxg8 Kd12 4. +Mk12 Ke11 5. +Mj11 +Bi11 6. +Mxi11 Kd12 7. +Mg9 Kc12 8. La10+ Kd11 9. +Df11 Oe11 10. +Df9 Kd12 11. +Mj12 Of12 12. +Mxf12

C31

1. P-6d+ +Lx12k 2. B-11j +Rx11j 3. H-3d+ Qx3d 4. N-4e Qx4e 5. S-3d= Qx3d 6. D-2c+ K-4b 7. +A-4j +P-4i 8. +Ax4i +D-4d 9. +Ax4d +M-4c 10. +F-3c Kx3a 11. Lx1c+ +Bx1c 12. +Dx1c K-2a 13. +D-1a K-3b 14. +D-2b K-4a 15. +D-2a mate.

{123456789} 1. g9+ +Lxa2 2. Bb3 +Rxb3 3. Hj9+ Qxj9 4. Ni8 Qxi8 5. Sj9 Qxj9 6. Dk10+ Ki11 7. +Ai3 +Pi4 8. +Axi4 +Di9 9. +Axi9 +Mi10 10. +Fj10 Kxj12 11. Lxl10+ +Bxl10 12. +Dxl10 Kk12 13. +Dl12 Kj11 14. +Dk11 Ki12 15. +Dk12

C33

1. +M-12b K-10a 2. F-7d+ Rx7d 3. +M-11b K-9b 4. +M-10c Kx10c 5. F-10d+= Kx10d 6. +Hx10e Kx10e 7. N-9g K-9d 8. Nx11f K-8e 9. N-9g K-9d 10. N-9f K-8c 11. N-9e K-9b 12. Nx8dx7d K-8a 13. N-6c K-9b 14. N-7a K-10a 15. Nx8b-8a K-11a 16. N-10c mate.

{123456789} 1. +Ma11 Kc12 2. Ff9+ Rxf9 3. +Mb11 Kd11 4. +Mc10 Kxc10 5. Fc9 Kxc9 6. +Hxc8 Kxc8 7. Nd6 Kd9 8. Nxb7 Ke8 9. Nd6 Kd9 10. Nd7 Ke10 11. Nd8 Kd11 12. Nxe9xf9 Ke12 13. Ng10 Kd11 14. Nf12 Kc12 15. Nxe11-e12 Kb12 16. Nc10

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C36

1. +D8h-6f +Hx6f 2. N-9f +Hx9f 3. +D-6f +Hx6f 4. Q-12h +H-10f 5. Qx10f K-9c 6. Q-9e K-10c 7. +P-10d K-11b 8. +P-11c K-12a 9. +P-12b mate.

{123456789} 1. +Deg7 +Hxg7 2. Nd7 +Hxd7 3. +Dg7 +Hxg7 4. Qa5 +Hc7 5. Qxc7 Kd10 6. Qd8 Kc10 7. +Pc9 Kb11 8. +Pb10 Ka12 9. +Pa11

C37

1. +O-4c Dx4c 2. X-5c= K-6e 3. +A-7d Tx7d 4. +G-7e Qx7e 5. Xx4c+ +B-5d 6. +Xx5d Kx5d 7. N-3e K-6e 8. N-5g K-5d 9. Nx7e K-4c 10. Nx7d-6c K-3d 11. N-5c K-2c 12. N-3b mate.

{123456789} 1. +Oi10 Dxi10 2. Xh10 Kg8 3. +Af9 Txf9 4. Gf8 Qxf8 5. Xxi10+ +Bh9 6. +Xxh9 Kxh9 7. Nj8 Kg8 8. Nh6 Kh9 9. Nxf8 Ki10 10. Nxf9-g10 Kj9 11. Nh10 Kk10 12. Nj11

C40

1. +H1i-4i +Px4i 2. N-5j +Px5j 3. +H-4i K-5g 4. +H-4g K-6f 5. +Hx6e K-5g 6. +H-4g K-6f 7. +H-5f K-7e 8. +P-6e Kx8e 9. +H-9f K-8d 10. +H-9d K-7c 11. +H-6d mate.

{123456789} 1. +Hli4 +Pxi4 2. Nh3 +Pxp3 3. +Hi4 Kh6 4. +Hi6 Kg7 5. +Hxg8 Kh6 6. +Hi6 Kg7 7. +Hh7 Kf8 8. +Pg8 Kxe8 9. +Hd7 Ke9 10. +Hd9 Kf10 11. +Hg9

C45

1. D-9l +P8kx9l 2. N-10j +Px10j 3. +M-1e Ex1e 4. +L-2f Ex2f 5. +B-3g Ex3g 6. +V-4h Ex4h 7. Q-8b +D-8i 8. Qx8i E-5i+ 9. Qx8l +E-6h 10. D-6k +E-7g 11. Qx10j +E-7f (11... S-8h 12. Q-10g +E-7f 13. D-6g +E-8f 14. D-6f mate) 12. Q-6f +E-8g 13. D-6g +E-9h 14. Dx9g mate.

{123456789} 1. Dd1 +Pexd1 2. Nc3 +Pxc3 3. +Ml8 Exl8 4. +Ak7 Exk7 5. +Bj6 Exj6 6. +Vi5 Exi5 7. Qe11 +De4 8. Qxe4 Eh4+ 9. Qxe1 +Eg5 10. Dg2 +Ef6 11. Qxc3 +Ef7 12. Qg7 +Ee6 13. Dg6 +Ed5 14. Dxd6

{123456789} 1. Dd1 +Pexd1 2. Nc3 +Pxc3 3. +Ml8 Exl8 4. +Ak7 Exk7 5. +Bj6 Exj6 6. +Vi5 Exi5 7. Qe11 +De4 8. Qxe4 Eh4+ 9. Qxe1 +Eg5 10. Dg2 +Ef6 11. Qxc3 Se5 12. Qc6 +Ef7 13. Dg6 +Ee7 14. De6

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C46

1. N-5j +Px5j 2. +M-4k +Px4k 3. D-7j +L-5j 4. C-2k K-2i 5. H-2d+ Cx2d 6. +H-2f K-1h 7. D-7b+ +T-6c 8. +Dx6c Q-4e 9. Lx1b+ C-1e 10. +Lx1e +H-1g 11. +Dx4e mate.

{123456789} 1. Nh3 +Pxb3 2. +Mi2 +Pxi2 3. Df3 +Lh3 4. Ck2 Kk4 5. Hk9+ Cxk9 6. +Hk7 Kl5 7. Df11+ +Tg10 8. +Dxg10 Qi8 9. Lxl11+ Cl8 10. +Lxl8 +Hl6 11. +Dxi8

D45a

1. +l-11b Kx11b 2. X-10b K-12c 3. Xx12d= K-11b 4. X-10b Kx10b 5. Tx9c+ Kx9c 6. +Hx9e +Hx9e 7. Tx9d+ +Hx9d 8. H-7c+ +H-8c 9. +Lx7e Dx7e 10. +Hx7e +H-8d 11. +Hx8d K-10c 12. +Hx10d mate.

{123456789} 1. +lb11 Kxb11 2. Xc11 Ka10 3. Xxa9 Kb11 4. Xc11 Kxc11 5. Txd10+ Kxd10 6. +Hxd8 +Hxd8 7. Txd9+ +Hxd9 8. Hf10+ +He10 9. +Lxf8 Dxf8 10. +Hxf8 +He9 11. +Hxe9 Kc10 12. +Hxc9

D45b

1. +l-11b Kx11b 2. X-10b Kx10b 3. Tx9c+ Kx9c 4. +Hx9e +Hx9e 5. Tx9d+ +Hx9d 6. H-7c+ +H-8c 7. +Lx7e Dx7e 8. +Hx7e +H-8d 9. +Hx8d K-10c 10. +Hx10d mate.

{123456789} 1. +lb11 Kxb11 2. Xc11 Kxc11 3. Txd10+ Kxd10 4. +Hxd8 +Hxd8 5. Txd9+ +Hxd9 6. Hf10+ +He10 7. +Lxf8 Dxf8 8. +Hxf8 +He9 9. +Hxe9 Kc10 10. +Hxc9

D63

1. X-9b lx9b 2. +Gx10c Rx10c 3. +P-11b Kx11b 4. Hx9b+ R-10b 5. +V-8e K-11a 6. +H-9a Kx12b 7. +Hx10b Hx10b 8. Dx10b+ mate.

{123456789} 1. Xd11 lxd11 2. +Gxc10 Rxc10 3. +Pb11 Kxb11 4. Hxd11+ Rc11 5. +Ve8 Kb12 6. +Hd12 Kxa11 7. +Hxc11 Dxc11 8. Dxc11+

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D86

1. +B-2g +Fx11g 2. Ox12i K-11i 3. +G-10i K-12j 4. O-12k K-11k 5. +G-10k K-12l 6. O-11j +A-12c 7. +Gx12c +F-12f 8. +B-9i mate.

{123456789} 1. +Bb6 +Fxb6 2. Oxa4 Kb4 3. +Gc4 Ka3 4. Oa2 Kb2 5. +Gc2 Ka1 6. Ob3 +Aa10 7. +Gxa10 +Fa7 8. +Bd4

ES1

1. +G-1a Kx1a 2. K-1b mate.

{123456789} 1. +Gl12 Kxl12 2. Kl11

ES2

1. Px2d= K-1g (Nx2d-2e 2. Qx2e K-1g 3. Q-1e mate) 2. Q-1f Kx1f 3. N-3e mate.

{123456789} 1. kxk9 Kl6 2. Ql7 Kxl7 3. Nj8

{123456789} 1. kxk9 Nxx9-k8 2. Qxk8 Kl6 3. Ql8

ES3

1. F-2c Gx2c 2. D-3d+ Gx3d 3. +L-1d +Lx1d 4. Q-2a Kx2a 5. +H-2c mate.

{123456789} 1. Fk10 Gxk10 2. Dj9+ Gxj9 3. +Ll9 +Lxl9 4. Qk12 Kxk12 5. +Hk10

ES4

1. +E-3b K-1a 2. K-1b Nx1b 3. +Bx1b Kx1b 4. Q-3d K-1a 5. Q-3c K-1b 6. Q-2b mate.

{123456789} 1. +Ej11 Kl12 2. Kl11 Nxl11 3. +Bxl11 Kxl11 4. Qj9 Kl12 5. Qj10 Kl11 6. Qk11

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ES5

1. P-3d K-1d (Nx3d-2d N-3b mate) 2. N-3c mate.

{123456789} 1. jxj9 Kl9 2. Nj10

{123456789} 1. jxj9 Nxj9-k9 2. Nj11

MD1

1. O-10d= N-11b 2. +Ax11b Kx11b 3. +Lx11e K-10c 4. O-9e+ Cx9e 5. Xx9c+ mate.

{123456789} 1. Oc9 Nb11 2. +Axb11 Kxb11 3. +Lb8 Kc10 4. Oxd8+ Cxd8 5. Xxd10+

MD2

1. +O-3j Tx3j+ 2. Qx2l Kx2l 3. Nx3j mate.

{123456789} 1. +Oj3 Txj3+ 2. Qxk1 Kxk1 3. Nxj3