

# Chu Shogi Tsumeshogi Solutions – Volume 2

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)
```























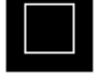





## **SAN Coordinates (Click Shogi Coords button to display on board)**

```
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.

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### Tsumeshogi Solutions:

#### R4

1. Kx2l K-1j 2. K-2k K-1i 3. K-2j K-1h 4. K-2i K-1g 5. K-2h K-2f 6. K-2g Kx1e 7. K-2f K-1d 8. K-2e K-1c 9. K-2d K-1b 10. K-2c Kx2a 11. +P-3a Kx3a 12. +Px4a Kx4a 13. K-3b K-5a 14. K-4b K-6a 15. K-5b K-7a 16. K-6b K-8a 17. K-7b K-9a 18. K-8b K-10a 19. K-9b K-11a 20. K-10b Kx12b 21. +P-12c Kx12c 22. +Px12d Kx12d 23. K-11c K-12e 24. K-11d K-12f 25. K-11e K-12g 26. K-11f K-12h 27. K-11g K-12i 28. K-11h K-12j 29. K-11i K-12k 30. K-11j Kx11l 31. +T-10l Kx10l 32. G-9l Kx9l 33. K-10k K-8l 34. K-9k K-7l 35. K-8k K-6l 36. K-7k K-5l 37. K-6k K-4l 38. K-5k K-3l 39. K-4k K-2l 40. K-3k K-1k 41. K-2k mate.

{123456789} 1. Kxk1 Kl3 2. Kk2 Kl4 3. Kk3 Kl5 4. Kk4 Kl6 5. Kk5 Kl7 6. Kk6 Kxl8 7. Kk7 Kl9 8. Kk8 Kl10 9. Kk9 Kl11 10. Kk10 Kxk12 11. +Pj12 Kxj12 12. +Pxi12 Kxi12 13. Kj11 Kh12 14. Ki11 Kg12 15. Kh11 Kf12 16. Kg11 Ke12 17. Kf11 Kd12 18. Ke11 Kc12 19. Kd11 Kb12 20. Kc11 Kxa11 21. +Pa10 Kxa10 22. +Pxa9 Kxa9 23. Kb10 Ka8 24. Kb9 Ka7 25. Kb8 Ka6 26. Kb7 Ka5 27. Kb6 Ka4 28. Kb5 Ka3 29. Kb4 Ka2 30. Kb3 Kxb1 31. +Tc1 Kxc1 32. Gxd1 Kxd1 33. Kc2 Ke1 34. Kd2 Kf1 35. Ke2 Kg1 36. Kf2 Kh1 37. Kg2 Ki1 38. Kh2 Kj1 39. Ki2 Kk1 40. Kj2 Kl2 41. Kk2

#### R9

1. M-2b K-3a 2. Mx2c= K-2a 3. M-2b K-3a 4. Mx4b= K-2a 5. M-2b K-3a 6. Mx5b= K-2a 7. M-2b K-3a 8. Mx6b= K-2a 9. M-2b K-3a 10. Mx7b= K-2a 11. M-2b K-3a 12. Mx8b= K-2a 13. M-2b K-3a 14. Mx9b= K-2a 15. M-2b K-3a 16. Mx10b= K-2a 17. M-2b K-3a 18. Mx11b= K-2a 19. M-2b K-3a 20. M-2a Kx2a 21. +G-2b K-3a 22. +Gx2d K-3b 23. +G-2b K-3a 24. +Gx2e K-3b 25. +G-2b K-3a 26. +Gx2f K-3b 27. +G-2b K-3a 28. +Gx2g K-3b 29. +G-2b K-3a 30. +Gx2h K-3b 31. +G-2b K-3a 32. +Gx2i K-3b 33. +G-2b K-3a 34. +Gx2j K-3b 35. +G-2b K-3a 36. +Gx2k K-3b 37. +G-2b K-3a 38. +Gx2l K-3b 39. +G-2b K-3a 40. +G-10b K-2a 41. +L-2j G-2c 42. +Ax2c K-1a 43. +F-2b K-2a 44. +Fx5e K-3a 45. +F-2b K-2a 46. +Fx7g K-3a 47. +F-2b K-2a 48. +Fx8h K-3a 49. +F-2b K-2a 50. +Fx9i K-3a 51. +F-2b K-2a 52. +F-1c K-1a 53. +G-1b Kx1b 54. +A-2a K-1c 55. +L-1i +Rx1i 56. Rx1i mate.

{123456789} 1. Mk11 Kj12 2. Mxk10 Kk12 3. Mk11 Kj12 4. Mxi11 Kk12 5. Mk11 Kj12 6. Mxh11 Kk12 7. Mk11 Kj12 8. Mxg11 Kk12 9. Mk11 Kj12 10. Mxf11 Kk12 11. Mk11 Kj12 12. Mxe11 Kk12 13. Mk11 Kj12 14. Mxd11 Kk12 15. Mk11 Kj12 16. Mxc11 Kk12 17. Mk11 Kj12 18. Mxb11 Kk12 19. Mk11 Kj12 20. Mk12 Kxk12 21. +Gk11 Kj12 22. +Gxk9 Kj11 23. +Gk11 Kj12 24. +Gxk8 Kj11 25. +Gk11 Kj12 26. +Gxk7 Kj11 27. +Gk11 Kj12 28. +Gxk6 Kj11 29. +Gk11 Kj12 30. +Gxk5 Kj11 31. +Gk11 Kj12 32. +Gxk4 Kj11 33. +Gk11 Kj12 34. +Gxk3 Kj11 35. +Gk11 Kj12 36. +Gxk2 Kj11 37. +Gk11 Kj12 38. +Gxk1 Kj11 39. +Gk11 Kj12 40. +Gc11 Kk12 41. +Lk3 Gk10 42. +Axk10 Kl12 43. +Fk11 Kk12 44. +Fkh8 Kj12 45. +Fk11 Kk12 46. +Fxf6 Kj12 47. +Fk11 Kk12 48. +Fxe5 Kj12 49. +Fk11 Kk12 50. +Fxd4 Kj12 51. +Fk11 Kk12 52. +Fl10 Kl12 53. +Gl11 Kxl11 54. +Ak12 Kxl10 55. +Ll4 +Rxl4 56. Rxl4

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### R27

1. +B-4e +Lx4e 2. +L-5l +Px5l 3. H-4k +Cx4k 4. H-3j +Px3j 5. F-2i Qx2i 6. D-2g +Lx2g 7. +B-1g +Mx1g 8. X-3f mate.

{123456789} 1. +Bi8 +Lxi8 2. +Lh1 +Pxh1 3. Hi2 +Cxi2 4. Hj3 +Pxj3 5. Fk4 Qxk4 6. Dk6 +Lxk6 7. +Bl6 +Mxl6 8. Xj7

### R31

1. V-6f Kx6f 2. +T-7g +Rx7g 3. +D-8h +Rx8h 4. +Tx5g +Mx5g 5. F-5e K-6e 6. +I-5f mate.

{123456789} 1. Vg7 Kxg7 2. +Tf6 +Rxf6 3. +De5 +Rxe5 4. +Th6 +Mxh6 5. Fh8 Kg8 6. +Ih7

### R32

1. V-6b+ 2. +Tx6b 2. +D-3i +Bx3i 3. H-3e +Lx3e 4. +P-1f Kx1f 5. +B-1e K-1g 6. B-2f +Lx2f 7. G-1d+ mate.

{123456789} 1. Vg11+ +Txg11 2. +Dj4 +Bxj4 3. Hj8 +Lxj8 4. +Pl7 Kxl7 5. +Bl8 Kl6 6. +Bk7 +Lxk7 7. Gl9+

### R36

1. X-3i +Ix3i 2. C-2h K-1f 3. C-1g Ax1g 4. +L-2g +Mx2g 5. +M-2f Ex2f 6. F-3d+ mate.

{123456789} 1. Xj4 +Ixj4 2. Ck5 Kl7 3. Cl6 Axl6 4. +Lk6 +Mxk6 5. +Mk7 Exk7 6. Fj9+

### R37

1. G-2h +Bx2h 2. H-6j +Rx6j 3. B-4h +Mx4h 4. G-4g Px4g 5. D-2f +L2c-2f 6. +R-4f +Lx4f 7. T-3d+ mate.

{123456789} 1. Gk5 +Bxk5 2. Hg3 +Rxg3 3. Bi5 +Mxi5 4. Gi6 ixi6 5. Dk7 +Lkxk7 6. +Ri7 +Lxi7 7. Tj9+

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#### R38

1. Q-1g Kx1g 2. +B-2h K-2f 3. +B-1g Kx1g 4. +L-2h K-2f 5. +L-1g Kx1g 6. +Hx1i K-2f 7. +H-1g Kx1g 8. +H-2h +Lx2h 9. O-3g mate.

{123456789} 1. Ql6 Kxl6 2. +Bk5 Kk7 3. +Bl6 Kxl6 4. +Lk5 Kk7 5. +Ll6 Kxl6 6. +Hxl4 Kk7 7. +Hl6 Kxl6 8. +Hk5 +Lxk5 9. Oj6

#### R41

1. N-5e Hx5e 2. +O-9e +Hx9e 3. +D-9d +Tx2d 4. Xx5i Qx5i 5. +Dx5i mate.

{123456789} 1. Nh8 Hxh8 2. +Od8 +Hxd8 3. +Dd4 +Txd4 4. Xxh4 Qxh4 5. +Dxh4

#### R46

1. +V-1i Kx1i 2. +H-1k Kx1h 3. +H-1j K-1g 4. +H-1i Kx1f 5. +H-1g Kx1g 6. N-3e K-1h 7. N-1g Kx1g 8. Lx1b+ mate.

{123456789} 1. +Vl4 Kxl4 2. +Hl2 Kxl5 3. +Hl3 Kl6 4. +Hl4 Kxl7 5. +Hl6 Kxl6 6. Nj8 Kl5 7. Nl6 Kxl6 8. Lxl11+

#### R47

1. G-2i Kx2i 2. Nx5k-4j 3. K-1i 3. O-3i Px3i= 4. M-2h Nx2h 5. Vx1h Nx1h 6. +Lx1h Kx1h 7. Nx3i-2h +Tx2h 8. Hx2h mate.

{123456789} 1. Gk4 Kxk4 2. Nxh2-i3 Kl4 3. Oj4 jxj4 4. +Mk5 Nxk5 5. Vxl5 Nx15 6. +Lxl5 Kxl5 7. Nxj4-k5 +Txk5 8. Hxk5

#### R52

1. M-8f Kx8f 2. +A-9a K-8g 3. +L-8f Kx8f 4. E-7f K-7g 5. +A-5e Rx5e 6. +Ax5e Q-6f 7. +Ax6f +Dx6f 8. Bx6f mate.

{123456789} 1. Me7 Kxe7 2. +Ad12 Ke6 3. +Le7 Kxe7 4. Ef7 Kf6 5. +Axx8 Rxx8 6. +Axx8 +Xg7 7. +Axx7 +Dxx7 8. Bxx7

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### R72

1. +F-12c +Ax12c 2. +G-11a +Bx11a 3. Bx11a+ Kx11a 4. +S-12a Kx12a 5. +G-7a +A-10a 6. +Gx10a K-12b 7. +C-12c Kx12c 8. +G-12a mate.

{123456789} 1. +Fa10 +Axa10 2. +Gb12 +Bxb12 3. Bxb12+ Kxb12 4. +Sa12 Kxa12 5. +Gf12 +Ac12 6. +Gxc12 Ka11 7. +Ca10 Kxa10 8. +Ga12

### R74

1. S-5e +Bx5e 2. +Ox8dx8e Qx8e 3. N-8h Vx8h 4. +B9e-7g +Vx7gf 5. +B-6g mate.

{123456789} 1. Sh8 +Bxh8 2. +Oxe9xe8 Qxe8 3. Ne5 Vxe5 4. +Bdf6 +Vxf6 5. +Bg6

### R75

1. S9e-8f K-7f 2. G-8g +Ax8g 3. R-7h +Lx7h 4. +R-2f K-6e 5. +R-5f mate.

{123456789} 1. Sde7 Kf7 2. Ge6 +Axe6 3. Rf5 +Lxf5 4. +Rk7 Kg8 5. +Rh7

### R79

1. H-12d+ Lx12d 2. +Cx12a K-12c 3. +C-12b Kx12b 4. +C-12a K-12c 5. +C-12b Kx12b 6. +G-12a mate.

{123456789} 1. Ha9+ Lxa9 2. +Cxa12 Ka10 3. +Ca11 Kxa11 4. +Ca12 Ka10 5. +Ca11 Kxa11 6. +Ga12

### R82

1. X-10e Vx10e 2. P-12h +Xx12h 3. Lx12h mate.

{123456789} 1. Xc8 Vxc8 2. axa5 +Xxa5 3. Lxa5

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### A. M. DeWitt

#### R86

1. +T-2k K-1h 2. M-1i K-1g 3. X-4d+ +Dx4d 4. M-1h Kx1h 5. +T-1j Kx2h 6. Hx4j Vx4j= 7. +T-2i Kx3g 8. +T-3h Kx4f 9. V-4g Vx4g= 10. +T-5g Vx5g 11. N-6h Qx6h 12. +Rx4d Kx5f 13. +T-4g Vx4g 14. G-6g Kx6g 15. +Rx4g Q-5g 16. +B-7g Nx7g 17. +Bx7g Kx7g 18. +Rx5g mate.

{123456789} 1. +Tk2 Kl5 2. Ml4 Kl6 3. Xi9+ +Dxi9 4. Ml5 Kxl5 5. +Tl3 Kxk5 6. Hxi3 Vxi3 7. +Tk4 Kxj6 8. +Tj5 Kxi7 9. Vi6 Vxi6 10. +Th6 Vxh6 11. Ng5 Qxg5 12. +Rxi9 Kxh7 13. +Ti6 Vxi6 14. Gg6 Kxg6 15. +Rxi6 Qh6 16. +Bf6 Nxf6 17. +Bxf6 Kxf6 18. +Rxh6

#### R89

1. +S-2a Sx2a 2. +A-1g +Lx1g 3. +A-1e +Lx1e 4. +C-1b +Lx1b 5. +L-2b Sx2b 6. M-9a S-3a 7. Mx3a+ mate.

{123456789} 1. +Sk12 Sxk12 2. +Al6 +Lxl6 3. +Al8 +Lxl8 4. +Cl11 +Lxl11 5. +Lk11 Sxk11 6. Md12 Sj12 7. Mxj12+

#### R91

1. P-5h Kx5f 2. C-4g K-6f 3. O-8f Qx8f 4. +G-4f Bx4f 5. V-5f +Lx5f 6. +C-6e mate.

{123456789} 1. h5 Kxh7 2. Ci6 Kg7 3. Oe7 Qxe7 4. +Gi7 Bxi7 5. +Sh7 +Lxh7 6. +Cg8