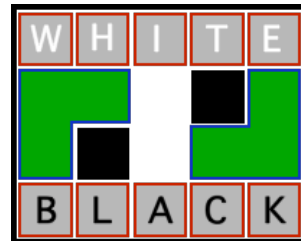


Neo Black And White



Designed and made by Minoru Abe 1985, directions are in Japanese.

(one of the originals made by the designer:

cardboard box, wood tray, and 12 painted wood pieces, 5.25 by 6.25 by 3/4 inches)



Mass produced version, purchased 2018.

*(cardboard box, 12 painted pieces
with raised lettering,
directions in Japanese,
5.25 by 6.25 by 3/4 inches)*



Made by J. A. Storer 2007.

*(cardboard sleeve, Bloodwood tray,
fixed 1x1's, Birdseye Maple WHITE,
Rosewood BLACK, unknown hardwood L's,
plexiglass keeper, 5 by 6 by 3/4 inches)*

The two blank 1x1 pieces are glued to the tray and cannot move. The center blank 2 by 1 keeper piece is removed to make the starting position shown on the right above. The goal is to slide the pieces so that BLACK is on top and WHITE is on the bottom.

Hordern's book shows 198 rectilinear (237 straight-line) moves and the Puzler's Tribute book, in a chapter coauthored by Minoru Abe, shows 190 rectilinear (231 straight-line) moves.

Hordern's Neo Black And White Solution Continued

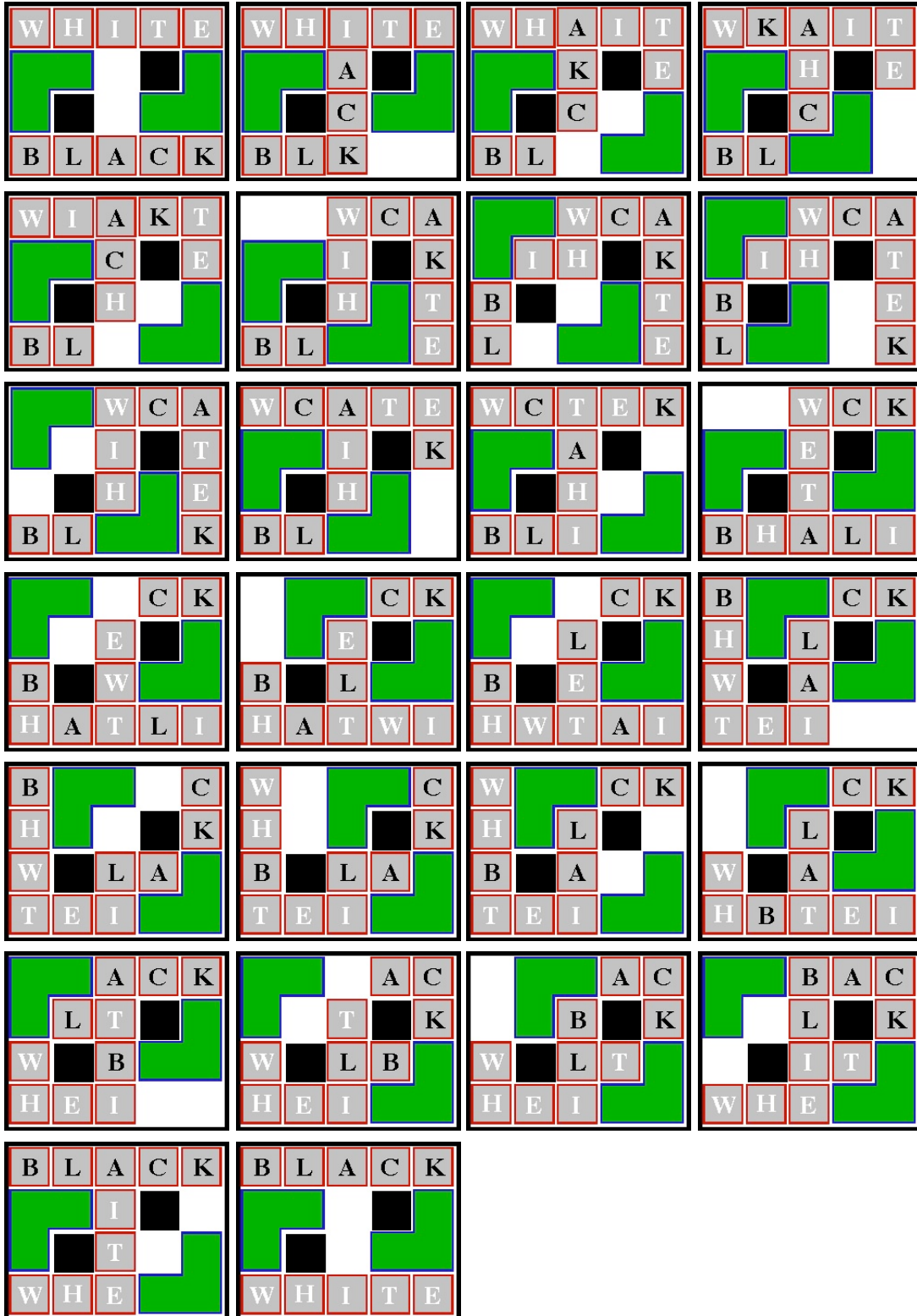
We use a more verbose notation than *Hordern's book*. The first letter is the piece to be moved (**X** denotes the left L-shaped piece and **Y** the right one) and the second letter is the direction; all moves are a distance of 1 unit unless followed by a 2 (to specify two units). Two consecutive moves of the same piece are listed together as a single rectilinear move.

1. Id2	2. (Hr,Hd)	3. Wr2	4. Xu	5. Hl	6. Iu
7. Au	8. Bu	9. Ll	10. Cl2	11. Kl2	12. Yd
13. Ed	14. Tr	15. Wr	16. Iu	17. Au	18. Ku
19. Yl	20. Ed2	21. Td2	22. (Wr,Wd)	23. Ir2	24. (Au,Ar)
25. Ku2	26. (Hr,Hd)	27. (Kd,Kl)	28. (Al,Ad)	29. Il2	30. (Wu,Wl)
31. Tu2	32. Eu2	33. Yr	34. Hd	35. (Ad,Ar)	36. (Kr,Kd)
37. Id	38. Xr	39. Bu2	40. Lu2	41. (Cl,Cu)	42. Hl2
43. (Kd,Kl)	44. Id2	45. (Al,Au)	46. (Iu,Ir)	47. (Kr,Ku)	48. Hr2
49. (Cd,Cr)	50. Ld2	51. Bd2	52. Xl	53. Au	54. Ku
55. Hu	56. Cr	57. Lr	58. Bd	59. Xd	60. Al2
61. Wl2	62. (Ku,Kr)	63. Hu2	64. Cu2	65. Il	66. Yl
67. Ed2	68. Td2	69. (Kr,Kd)	70. Hr2	71. Wr2	72. Ar2
73. Xu	74. Bu	75. Ll	76. Cl	77. Iu	78. Yl
79. Tl	80. El	81. Kd2	82. (Tr,Tu)	83. (Eu,Er)	84. Yr
85. Id	86. Cr	87. Lr	88. Bd	89. Xd	90. Al2
91. (Cu,Cl)	92. (Wl,Wd)	93. Hl2	94. (Tu,Tl)	95. Eu2	96. Ku2
97. Yr	98. Id	99. Wd	100. Hd	101. Tl	102. El
103. Ku	104. Yu	105. Ir2	106. Lr2	107. (Wd,Wl)	108. Hd2
109. Td2	110. (El,Ed)	111. Cr2	112. Ar2	113. Xu	114. Bu
115. Wl	116. Hl	117. Td	118. Ed	119. Ad	120. Xr
121. Bu2	122. Wu2	123. (Hl,Hu)	124. Tl2	125. (Ed,El)	126. (Ll,Lu)
127. Il2	128. Yd	129. Kd	130. Cr	131. Lr	132. Ad
133. Xr	134. (Wr,Wu)	135. (Hu,Hr)	136. Bd2	137. Wl	138. Hl
139. Xl	140. Au	141. Ll	142. Cl	143. Ku	144. Yu
145. Ir2	146. Er2	147. Tr2	148. (Bd,Br)	149. Hd2	150. Wd2
151. Xl	152. Al	153. Lu2	154. Tu2	155. (Br,Bu)	156. El2
157. Il2	158. Yd	159. Kd	160. Cr	161. Lr	162. Tu
163. Br	164. (Ar,Ad)	165. Td	166. Xr	167. Wu2	168. Hu2
169. (El,Eu)	170. Il2	171. (Ad,Al)	172. Td2	173. (Bl,Bu)	174. (Tu,Tr)
175. (Ar,Au)	176. Ir2	177. (Ed,Er)	178. Hd2	179. Wd2	180. Xl
181. Bu	182. Au	183. Iu	184. Er	185. Hr	186. Wd
187. Xd	188. Bl2	189. Ll2	190. Au	191. Iu	192. Tl
193. Cl	194. Ku	195. Yu	196. Er2	197. (Td,Tr)	198. Id2

(198 rectilinear moves, 237 straight-line moves)

Puzzler's Tribute Neo Black And White Solution

Here are the start position, end position, and the positions of Puzzler's Tribute solution for which an L-shaped piece is to be moved next:



Puzzler's Tribute Neo Black And White Solution, Continued

We use the same notation as we did for the Hordern solution (like *Hordern's book*, the *Puzzler's Tribute book* uses a more compact notation than is used here). The first letter is the piece to be moved (**X** denotes the left L-shaped piece and **Y** the right one) and the second letter is the direction; all moves are a distance of 1 unit unless followed by a 2 (to specify two units). Two consecutive moves of the same piece are listed together as a single rectilinear move.

1. Au2	2. (cl,Cu)	3. Kl2	4. Yd	5. Ed	6. Tr
7. Cr	8. Ir	9. Au	10. Ku2	11. Cl	12. Yl
13. Ed2	14. Td2	15. (Ir,Id)	16. Ar2	17. (Ku,Kr)	18. (Hr,Hd)
19. Kl2	20. Al2	21. (Iu,Il)	22. Tu2	23. Eu2	24. Yr
25. Cr	26. Hd2	27. Ad2	28. (Il,Id)	29. Kr2	30. (Iu,Il)
31. Au2	32. (Cl,Cu)	33. Hu	34. Yl	35. Ed2	36. Td2
37. (Kr,Kd)	38. Ar2	39. (Cu,Cr)	40. (Ir,Id)	41. Wr2	42. Xu
43. Il	44. Bu	45. Ll	46. Hu	47. Yl	48. El
49. Tl	50. Kd2	51. (Tr,Tu)	52. (Eu,Er)	53. Yr	54. Hd
55. Lr	56. Bd	57. Ir	58. Xd	59. Wl2	60. Cl2
61. Al2	62. (Tu,Tl)	63. Eu2	64. Ku2	65. Yr	66. Hr
67. Id2	68. Hl	69. Ad	70. Tl	71. El	72. Ku
73. Yu	74. Ir2	75. Lr2	76. (Hd,Hl)	77. Ad2	78. Td2
79. (El,Ed)	80. Cr2	81. Wr2	82. Xu	83. El	84. Bu
85. Hl	86. Al	87. Td	88. Wd2	89. Er	90. Xr
91. Bu2	92. Hu2	93. (Al,Au)	94. Tl2	95. (Wd,Wl)	96. (Ll,Lu)
97. Wr2	98. Tr2	99. (Ad,Ar)	100. Hd2	101. Bd2	102. Xl
103. El	104. Lu2	105. Tu2	106. (Wl,Wu)	107. Ar2	108. (Wd,Wl)
109. Td2	110. (Er,Ed)	111. Ld	112. Xr	113. Bu2	114. Hu2
115. (Wl,Wu)	116. Tl2	117. (Ed,El)	118. (Al,Au)	119. Il2	120. Yd
121. Kd	122. Ar	123. Ld	124. Cr	125. Xr	126. (Br,Bd)
127. (Hu,Hr)	128. Wu2	129. (Bl,Bd)	130. (Hd,Hl)	131. Xl	132. Cl
133. Lu	134. Al	135. Ku	136. Yu	137. Ir2	138. Er2
139. Tr2	140. (Bd,Br)	141. Hd2	142. Wd2	143. Xl	144. Ll
145. Au2	146. Tu2	147. (Br,Bu)	148. El2	149. Il2	150. Yd
151. Kd	152. Br	153. Cr	154. Ar	155. Tu	156. (Lr,Ld)
157. Td	158. Xr	159. Wu2	160. Hu2	161. (El,Eu)	162. Il2
163. (Ld,Ll)	164. Td2	165. (Bl,Bu)	166. (Tu,Tr)	167. (Lr,Lu)	168. Ir2
169. (Ed,Er)	170. Hd2	171. Wd2	172. Xl	173. Bu	174. Lu
175. Iu	176. Er	177. Hr	178. Wd	179. Xd	180. Bl2
181. (Lu,Ll)	182. Al	183. Iu	184. Tl	185. Cl	186. Ku
187. Yu	188. Er2	189. (Td,Tr)	190. Id2		

(190 rectilinear moves, 231 straight-line moves)