

Grand Master

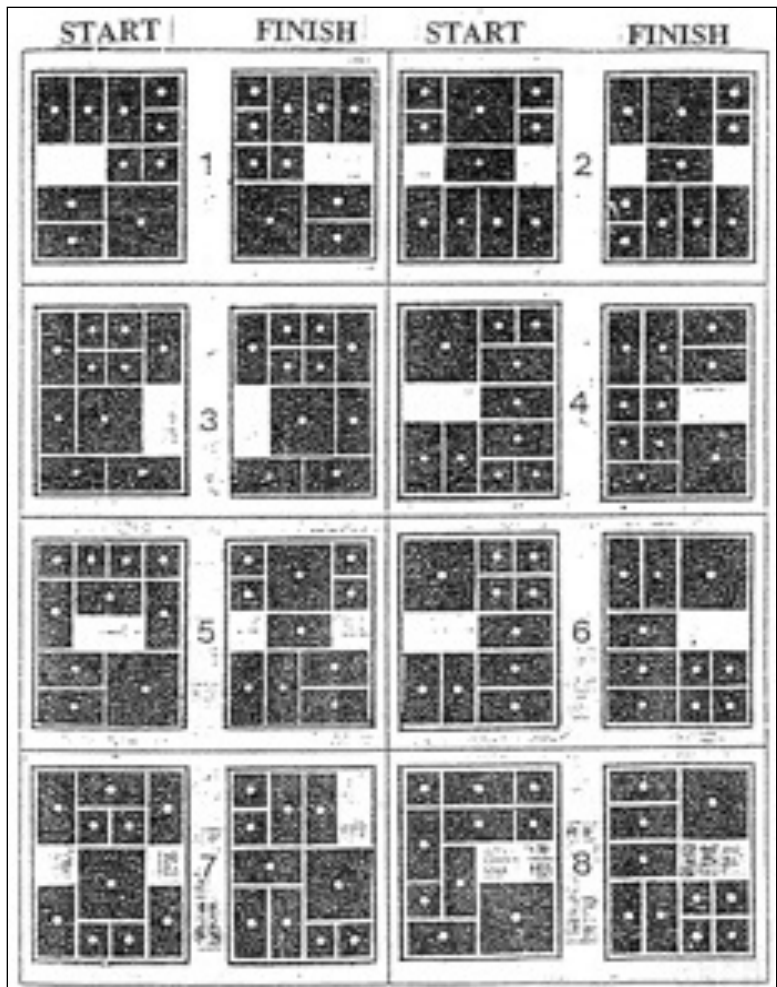
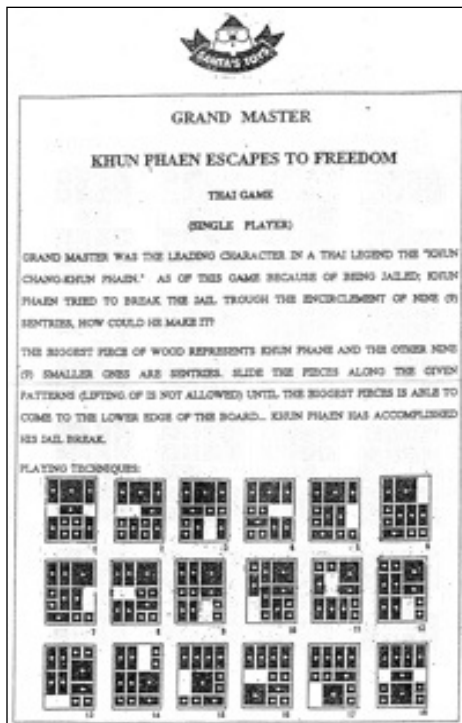
With Little House



Made in Asia, purchased 2007.

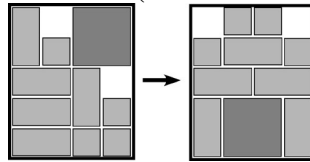
(felt lined wood tray and 10 wood pieces, 8 by 8.5 by 1 inches)

The directions show *Red Donkey* (Version C) and some other problems including *Little House*.



A Solution to Little House

Here is every 8th move of a solution to Little House of 250 straight-line moves, which can be converted to 233 rectilinear moves by combining 7/8, 41/42, 64/65, 75/76, 87/88, 91/92, 94/95, 118/119, 128/129, 134/135, 138/139, 165/166, 189/190, 192/193, 196/197, 208/209, 220/221. Positions 18 and 21 are also shown; by replacing moves 19 to 21 by two rectilinear moves, a solution results that is minimal for the straight-line and unit metrics, and only one move longer than a minimal 231 rectilinear moves solution (see the following page):



Little House

(Pierre-Francois Culand)

#0: M X X M 1 X X A A N B B N 2 C C 3 4	#8: 1 X X M X X M A A 2 B B N 4 C C N 3	#16: 1 X X 2 X X 4 A A 3 M B B N M C C N	#18: X X 2 X X 4 1 A A 3 M B B N M C C N	#21: X X 2 3 X X 4 1 A A M B B N M C C N	#24: X X 2 3 X X 4 N 1 A A N M B B M C C	#32: X X 3 N X X 2 N A A 4 1 M B B M C C
#40: X X 3 N X X 2 N 1 A A M B B M C C 4	#48: X X 3 N X X 2 N A A B B M 4 M 1 C C	#56: X X 3 N X X 2 N M 4 A A M 1 C C B B	#64: M X X 3 M X X 2 A A N 4 1 N C C B B	#72: M X X 3 M X X 2 4 A A C C N B B 1 N	#80: X X 2 3 X X A A M 4 N M C C N B B 1	#88: 2 3 A A X X 4 X X N M C C N M B B 1
#96: A A 4 N 3 X X N 2 X X M C C M B B 1	#104: A A 4 N X X N X X 1 3 M C C 2 M B B	#112: X X A A X X 4 N 3 M 1 N 2 M C C B B	#120: X X A A X X 1 4 3 2 M N B B M N C C	#128: X X A A X X 4 N 3 2 N B B M C C 1 M	#136: X X A A X X 4 N B B 3 N C C M 1 2 M	#144: A A 4 3 X X X X B B C C M N 1 2 M N
#152: A A 4 3 B B X X M N X X M N C C 1 2	#160: B B A A 4 3 M X X M N X X 1 N C C 2	#168: B B A A 4 M N 3 M 1 N X X 2 X X C C	#176: 4 M B B 3 M A A X X 1 N X X 2 N C C	#184: M B B M A A 4 X X 1 3 X X N C C 2 N	#192: M B B 1 M A A N 4 X X N X X 2 3 C C	#200: M B B 1 M A A N X X 2 N X X C C 4 3
#208: B B 1 N M A A N M 2 C C X X 4 X X 3	#216: B B 1 A A N 2 C C N M X X 4 M X X 3	#224: 2 B B M A A 1 M C C N X X N X X 4 3	#232: M 2 B B M A A 1 C C 3 X X N X X N 4	#240: 2 B B 1 M A A 3 M C C 4 X X N X X N	#248: 2 1 3 B B 4 A A C C M X X N M X X N	#250: 2 1 3 B B 4 A A C C M X X N M X X N

(one move = slide one piece any number of units in one direction)

A 231 Rectilinear Moves Solution to Little House

Here is every 7th move of a solution of 231 rectilinear moves solution:

#0: M X X M 1 X X A A N B B N 2 C C 3 4	#7: 1 X X M X X M A A 2 B B N 4 C C N 3	#14: 1 X X 2 M X X 4 M A A 3 B B N C C N	#21: X X 4 2 X X 3 N 1 A A N M B B M C C	#28: X X 2 X X 4 N A A 3 N 1 M B B M C C	#35: X X 2 N X X 4 N 1 A A 3 M B B M C C	#42: X X 2 N X X 4 N A A B B M 1 3 M C C
#49: X X 2 N X X 4 N 3 A A M 1 B B M C C	#56: X X 2 X X 4 M A A N M 3 1 N C C B B	#63: M X X 2 M X X 4 3 A A N C C 1 N B B	#70: X X 2 X X 4 M 3 A A M C C N B B 1 N	#77: X X 4 2 X X A A 3 N M C C N M B B 1	#84: 2 A A X X 3 4 X X N M C C N M B B 1	#91: A A 3 N 2 X X N 4 X X 1 M C C M B B
#98: A A X X 3 N X X 1 N 2 M C C 4 M B B	#105: X X A A X X 3 N 2 M 1 N 4 M B B C C	#112: A A X X 1 3 X X M N 4 2 M N B B C C	#119: A A 1 3 X X M N X X M N B B 4 2 C C	#126: 1 3 A A M N X X M N X X B B C C 4 2	#133: 1 3 M N A A M N X X B B X X 4 2 C C	#140: 1 M A A 3 M B B 2 N X X 4 N X X C C
#147: A A M B B M N 2 3 1 N X X 4 X X C C	#154: B B A A 3 M N 2 M N X X 1 4 X X C C	#161: 3 B B 2 M A A M 1 N X X 4 N X X C C	#168: 3 M B B 2 M A A X X 1 X X N C C 4 N	#175: M B B 1 M A A N 3 X X N 2 X X C C 4	#182: M B B 1 M A A N X X 4 N X X C C 3 2	#189: B B 1 M A A N M 4 N X X C C X X 3 2
#196: B B 1 N A A N 4 C C M X X 3 M X X 2	#203: A A B B M 4 1 N M C C N X X 3 X X 2	#210: A A B B M C C 4 M 1 X X 3 N X X 2 N	#217: A A B B C C 2 4 3 1 M X X N M X X N	#224: B B 3 2 A A 1 4 C C M X X N M X X N	#231: 2 1 3 B B 4 A A C C M X X N M X X N	

(one move = slide one piece any number of units in any number of directions)