

Dad's Puzzle Family Set

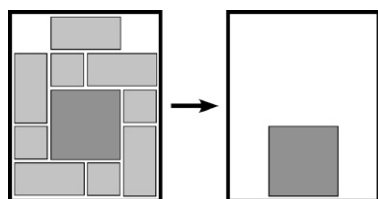
With Fujiwara 15/22/25 and Super Compo



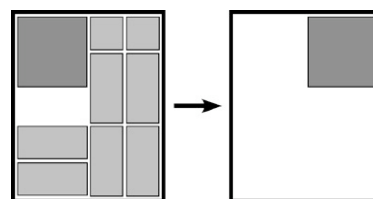
Made by J. A. Storer, 2007.

(wood box with plexiglass bottom, lid, and 13 pieces, 5.75" x 7.75" x 1.25")

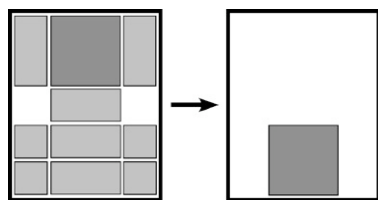
A box with a 4x5 tray and a 4x1 side tray to hold unused pieces. There are a total of six 1x1 pieces, six 1x2 pieces, and one 2x2 piece. Many classic 4x5 tray puzzles can be played; *Dad's Puzzler*, *Nine Block*, *Quzzle* / *Quzzle Killer*, *Traffic Jam*, *Red Donkey*, *Century*, *Super Century*, *Century And A Half*, *Ushi*, *Little House*, *Hole In One*, *King Out*, etc. *Hordern's* book shows many other puzzles that can be played. Another source for 4x5 tray puzzles is *Fujiwara's Step by Step Problems* page, which gives 25 problems of increasing difficulty (along with solutions if you get tired). Here are three of them and also *Super Compo* (designed by *Junk Kato* - see *Baxter's Page*), which is similar to but requires more moves than Fujiwara 25:



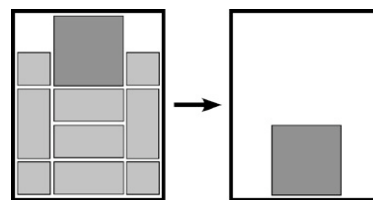
Fujiwara 15



Fujiwara 22



Fujiwara 25



Super Compo

Further Reading

Fujiwara's Page, from: <http://www.pro.or.jp/~fuji/java/puzzle/slide/V1.0/fuji.index-eng.html>

Baxter's Page, from: <http://www.johnrausch.com/SlidingBlockPuzzles/4x5.htm>

A Solution To Fujiwara 15

Here is a solution of 47 straight-line moves; it can be converted to 43 rectilinear moves by combining steps 13/14, 27/28, 33/34, 45/46:

5 5 1 8	5 5 1 8	5 5 1 8	5 5 1 8	5 5 1 8	5 5 1 8	5 5 8	5 5 8
2 X X 8	2 X X 8	2 X X 8	2 X X 8	2 8	2 8	2 1 8	2 1 8
9 X X 3	9 X X 3	9 X X 3	9 X X 3	9 X X 3	9 X X 3	9 X X 3	9 X X 3
9 4 6 6	9 4 6 6	9 4	9 4	9 X X 4	9 X X 4	9 X X 4	9 X X 4
7 7	7 7	7 7 6 6	7 7 6 6	7 7 6 6	7 7 6 6	7 7 6 6	7 7 6 6
9 5 5 8	9 5 5 8	9 5 5 8	9 5 5 8	9 5 5	9 5 5	9 5 5 1	9 5 5 1
9 2 1 8	9 2 1 8	9 2 1 8	9 2 1 8	9 2 1	9 2 1	9 2	9 2 3
X X 3	X X 3	X X 3	X X 3	X X 3 8	X X 3 8	X X 3 8	X X 8
X X 4	X X 4	X X 4	X X 4	X X 4 8	X X 4 8	X X 4 8	X X 4 8
7 7 6 6	7 7 6 6	7 7 6 6	7 7 6 6	7 7 6 6	7 7 6 6	7 7 6 6	7 7 6 6
9 5 5 1	9 5 5 1	9 5 5 1	5 5 1	5 5 1	5 5 3 1	5 5 3 1	5 5 3 1
9 2 3 8	9 2 3 8	9 2 3 8	2 3 8	2 3 8	2 8	2 8	2 X X 8
X X 8	X X 8	X X 8	9 X X 8	9 X X 8	9 X X 8	9 X X 8	9 X X 8
X X 4	X X 4	X X 4	9 X X 4	9 X X 4	9 X X 4	9 X X 4	9 4
7 7 6 6	7 7 6 6	7 7 6 6	7 7 6 6	7 7 6 6	7 7 6 6	7 7 6 6	7 7 6 6
5 5 3 1	5 5 3 1	5 5 3 1	5 5 3 1	5 5 3 1	5 5 3 1	5 5 3 1	5 5 3 1
2 X X 8	2 X X 8	2 X X 8	2 X X 8	2 X X 8	2 X X 8	2 X X 8	2 X X
9 X X 8	9 X X 8	9 X X 8	9 X X 8	9 X X 8	9 X X 8	9 X X 8	9 X X
9 4	9 4 6 6	9 4 6 6	9 6 6	9 6 6	9 6 6	9 6 6	9 6 6 8
7 7 6 6	7 7	7 7	4 7 7	4 7 7	4 7 7	4 7 7	4 7 7 8
5 5 3 1	5 5 3 1	5 5 3 1	3 1	3 1	3 1	3 1 X X	3 1 X X
2 X X	2 X X	X X	5 5 X X	5 5 X X	5 5 X X	5 5 X X	5 5 X X
9 X X	9 X X	9 2 X X	9 2 X X	9 2 X X	9 2 X X	9 2	9 2
9 6 6 8	9 6 6 8	9 6 6 8	9 6 6 8	9 6 6 8	9 6 6 8	9 6 6 8	9 6 6 8
4 7 7 8	4 7 7 8	4 7 7 8	4 7 7 8	4 7 7 8	4 7 7 8	4 7 7 8	4 7 7 8
3 1 X X	3 1 X X	3 1 X X	3 1 X X	3 1 X X	3 X X	3 X X	3 X X
5 5 X X	5 5 X X	5 5 X X	5 5 X X	X X	1 X X	1 X X	1 X X
9 2 8	9 2 8	9 2 8	2 8	5 5 2 8	5 5 2 8	5 5 2 8	5 5 2 8
9 6 6 8	9 6 6 8	9 6 6 8	9 6 6 8	9 6 6 8	9 6 6 8	9 6 6 8	9 6 6 8
4 7 7	4 7 7	4 7 7	9 4 7 7	9 4 7 7	9 4 7 7	9 4 7 7	9 4 7 7

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

A Solution To Fujiwara 22

Here is a solution of 64 straight-line moves; it can be converted to 62 rectilinear moves by combining steps 11/12, 53/54:

X X 1 2	1 2	1 2	1 2	1 2 5	1 2 5 6	1 2 5 6	1 2 5 6
X X 5 6	X X 5 6	X X 5 6	X X 5 6	X X 5 6	X X 5 6	X X 5 6	X X 5 6
5 6	X X 5 6	X X 5 6	X X 5 6	X X 6	X X	X X 7	X X 7 8
3 3 7 8	3 3 7 8	3 3 7 8	3 3 7 8	3 3 7 8	3 3 7 8	3 3 7 8	3 3 7 8
4 4 7 8	4 4 7 8	4 4 7 8	4 4 7 8	4 4 7 8	4 4 7 8	4 4 8	4 4
1 2 5 6	1 2 5 6	1 2 5 6	2 5 6	2 5 6	2 5 6	2 5 7 6	2 5 7 6
X X 5 6	X X 5 6	5 6	1 5 6	1 5 6	1 5 6	1 5 7 6	1 5 7 6
X X 7 8	X X 7 8	X X 7 8	X X 7 8	X X 7 8	X X 7 8	X X 8	X X 8
3 3 7 8	7 8	X X 7 8	X X 7 8	X X 7 8	X X 7 8	X X 8	X X 8
4 4	3 3 4 4	3 3 4 4	3 3 4 4	3 3 4 4	3 3 4 4	3 3 4 4	3 3 4 4
2 5 7 6	5 7 6	5 7 6	5 7 6	5 7 6	5 7 6 8	5 7 6 8	5 7 6 8
5 7 6	5 7 6	5 7 6	5 7 6	5 7 6	5 7 6 8	5 7 6 8	5 7 6 8
X X 8	2 X X 8	2 X X 8	2 X X 8	2 X X 8	2 X X	2 X X	2 X X
1 X X 8	1 X X 8	1 X X 8	1 X X 8	1 X X 8	1 X X	1 X X	1 X X
3 3 4 4	3 3 4 4	3 3 4 4	3 3 4 4	3 3 4 4	3 3 4 4	3 3 4 4	3 3 4 4
5 7 6 8	7 6 8	7 6 8	7 2 6 8	7 2 6 8	7 2 6 8	7 2 6	7 2 6
5 7 6 8	7 6 8	7 6 8	7 6 8	7 1 6 8	7 1 6 8	7 1 6	7 1 6
2 X X	5 2 X X	5 2 X X	5 X X	5 X X	5 X X	5 X X 8	5 X X 8
1 X X	5 1 X X	5 1 X X	5 1 X X	5 X X	5 X X	5 X X 8	5 X X 8
3 3 4 4	3 3 4 4	3 3 4 4	3 3 4 4	3 3 4 4	3 3 4 4	3 3 4 4	3 3 4 4
7 2 6	7 2 6	7 2 6	5 7 2 6	5 7 2 6	5 7 2 6	5 7 6	5 7 6
7 1 6	7 1 6	7 1 6	5 7 1 6	5 7 1 6	5 7 6	5 7 6	5 7 6
5 X X 8	5 X X 8	5 X X 8	X X 8	X X 8	X X 8	X X 2 8	X X 2 8
5 X X 8	5 X X 8	5 X X 8	X X 8	X X 8	X X 1 8	X X 1 8	X X 1 8
3 3 4 4	3 3 4 4	3 3 4 4	3 3 4 4	3 3 4 4	3 3 4 4	3 3 4 4	3 3 4 4
5 7 6 8	5 7 6 8	5 7 6 8	5 7 6 8	7 6 8	7 6 8	7 6 8	7 6 8
5 7 6 8	5 7 6 8	5 7 6 8	5 7 6 8	7 6 8	7 6 8	7 6 8	7 6 8
X X 2	X X 2	X X 2	X X 2	5 X X 2	5 X X 2	5 X X 2	5 X X 2
X X 1	X X 1	X X 1	X X 1	5 X X 1	5 X X 1	5 X X 1	5 X X 1
3 3 4 4	3 3 4 4	3 3 4 4	3 3 4 4	3 3 4 4	3 3 4 4	3 3 4 4	3 3 4 4
7 6 8 2	7 6 8 2	7 6 8 2	7 8 2	7 8 2	7 8 2	7 8 2 1	7 8 2 1
7 6 8	7 6 8 1	7 6 8 1	7 8 1	7 8 1	7 8 1	7 8	7 8 X X
5 X X	5 X X	5 X X	5 6 X X	5 6 X X	5 6 X X	5 6 X X	5 6 X X
5 X X 1	5 X X	5 X X	5 6 X X	5 6 X X	5 6 X X	5 6 X X	5 6
3 3 4 4	3 3 4 4	3 3 4 4	3 3 4 4	3 3 4 4	3 3 4 4	3 3 4 4	3 3 4 4
7 8 2 1	7 8 2 1	7 8 2 1	8 2 1	8 2 1	2 1	2 1	2 1
7 8 X X	7 8 X X	7 8 X X	7 8 X X	7 8 X X	7 8 X X	7 8 X X	7 8 X X
5 6 X X	5 6 X X	6 X X	7 6 X X	7 X X	7 8 X X	7 8 X X	7 8 X X
5 6 4 4	5 6 4 4	5 6 4 4	5 6 4 4	5 6 4 4	5 6 4 4	5 6 4 4	5 6 4 4
3 3	3 3	5 3 3	5 3 3	5 6 3 3	5 6 3 3	5 6 3 3	5 6 3 3
2 1 X X							
7 8 X X							
7 8							
5 6 4 4							
5 6 3 3							

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

A Solution To Fujiwara 25

Here is a solution of 111 straight-line moves; it can be converted to 101 rectilinear moves by combining steps 2/3, 19/20, 23/24, 30/31, 41/42, 53/54, 57/58, 60/61, 84/85, 109/110:

8 X X 9	8 X X 9	8 X X 9	8 X X 9	8 X X 9	8 X X 9	8 X X 9	8 X X 9	8 X X 9	8 X X 9
8 X X 9	8 X X 9	8 X X 9	8 X X 9	8 X X 9	8 X X 9	8 X X 9	8 X X 9	8 X X 9	8 X X 9
5 5	1 5 5	1 5 5	1 5 5	3 1 5 5	3 1 5 5	3 1 5 5	3 1 5 5	3 1 5 5	3 1 5 5
1 6 6 2	6 6 2	6 6 2	6 6 2	6 6 2	6 6 2	6 6 2	6 6 2	6 6 2 4	6 6 2 4
3 7 7 4	3 7 7 4	3 7 7 4	3 7 7 4	7 7 4	7 7 4	7 7 4	7 7 4	7 7	7 7
8 X X 9	8 X X 9	8 X X 9	8 X X 9	8 X X 9	8 X X 9	8 X X 9	8 X X 9	8 X X 9	8 X X 9
8 X X 9	8 X X 9	8 X X 9	8 X X 9	8 X X 9	8 X X 9	8 X X 9	8 X X 9	8 X X 9	8 X X 9
3 1 5 5	3 1 5 5	3 1 5 5	3 1 5 5	2 4 5 5	2 4 5 5	2 4 5 5	2 4 5 5	2 4 5 5	2 4 5 5
2 2 4	2 2 4	2 2 4	2 2 4	6 6 7 7	6 6 7 7	6 6 7 7	6 6 7 7	6 6 7 7	6 6 7 7
6 6 7 7	6 6 7 7	6 6 7 7	6 6 7 7	6 6 7 7	6 6 7 7	6 6 7 7	6 6 7 7	6 6 7 7	6 6 7 7
8 4 X X	8 4 X X	8 4 X X	8 4 X X	8 4 X X	8 4 X X	8 4 X X	8 4 X X	4 X X	4 X X
8 X X	8 X X	8 X X	8 X X	8 1 X X	8 1 X X	8 1 X X	8 1 X X	1 X X	1 X X
3 1 9	3 1 9	3 1 9	3 1 9	3 5 5 9	3 5 5 9	3 5 5 9	3 5 5 9	8 5 5 9	8 5 5 9
2 5 5 9	2 5 5 9	2 5 5 9	2 5 5 9	2 2 9	2 2 9	2 2 9	2 2 9	3 2 9	3 2 9
6 6 7 7	6 6 7 7	6 6 7 7	6 6 7 7	6 6 7 7	6 6 7 7	6 6 7 7	6 6 7 7	6 6 7 7	6 6 7 7
4 X X	4 X X	4 X X 9	4 X X 9	4 X X 9	4 X X 9	4 X X 9	4 X X 9	4 X X 9	4 X X 9
1 X X	1 X X	1 X X 9	1 X X 9	1 X X 9	1 X X 9	1 X X 9	1 X X 9	1 X X 9	1 X X 9
8 5 5 9	8 5 5 9	8 5 5 9	8 5 5 9	8 5 5 2	8 5 5 2	8 5 5 2	8 5 5 2	8 5 5 2	8 5 5 2
8 3 2 9	8 3 2 9	8 3 2 9	8 3 2 9	8 3 2	8 3 2	8 3 2	8 3 2	8 3 2	8 3 2
6 6 7 7	6 6 7 7	6 6 7 7	6 6 7 7	6 6 7 7	6 6 7 7	6 6 7 7	6 6 7 7	6 6 7 7	6 6 7 7
4 X X 9	4 X X 9	4 X X 9	4 X X 9	4 X X	4 X X	4 X X	4 X X	4 1 X X	4 1 X X
1 X X 9	1 X X 9	1 X X 9	1 X X 9	1 X X	1 X X	1 X X	1 X X	X X	X X
5 5 2	5 5 2	5 5 2	5 5 2	5 5 2 9	5 5 2 9	5 5 2 9	5 5 2 9	5 5 2 9	5 5 2 9
8 3 7 7	8 3 7 7	8 3 7 7	8 3 7 7	8 3 6 6	8 3 6 6	8 3 6 6	8 3 6 6	8 3 6 6	8 3 6 6
8 6 6	8 3 6 6	8 3 6 6	8 3 6 6	8 3 6 6	8 3 6 6	8 3 6 6	8 3 6 6	8 3 6 6	8 3 6 6
4 1 X X	4 1 X X	4 1 X X	4 1 X X	4 1 X X	4 1 X X	4 1 X X	4 1 X X	5 5 4 1	5 5 4 1
5 5 X X	5 5 X X	5 5 X X	5 5 X X	5 5 X X	5 5 X X	5 5 X X	5 5 X X	X X	X X
8 2 9	8 2 9	8 2 9	8 2 9	8 2 X X	8 2 X X	8 2 X X	8 2 X X	8 2 X X	8 2 X X
8 7 7 9	8 7 7 9	8 7 7 9	8 7 7 9	8 7 7 9	8 7 7 9	8 7 7 9	8 7 7 9	8 7 7 9	8 7 7 9
3 6 6 9	3 6 6 9	3 6 6 9	3 6 6 9	3 6 6 9	3 6 6 9	3 6 6 9	3 6 6 9	3 6 6 9	3 6 6 9
5 5 4 1	5 5 4 1	5 5 4 1	5 5 4 1	5 5 4	5 5 4	5 5 4	5 5 4	2 5 5	2 5 5
2 X X	2 X X	2 X X	2 X X	2 X X 4	2 X X 4	2 X X 4	2 X X 4	X X 4	X X 4
8 X X	8 X X	8 X X	8 X X	8 X X 1	8 X X 1	8 X X 1	8 X X 1	8 X X 1	8 X X 1
8 7 7 9	8 7 7 9	8 7 7 9	8 7 7 9	8 7 7 9	8 7 7 9	8 7 7 9	8 7 7 9	8 7 7 9	8 7 7 9
3 6 6 9	3 6 6 9	3 6 6 9	3 6 6 9	3 6 6 9	3 6 6 9	3 6 6 9	3 6 6 9	3 6 6 9	3 6 6 9
8 2 5 5	8 2 5 5	8 2 5 5	8 2 5 5	8 2 5 5	8 2 5 5	8 2 5 5	8 2 5 5	8 2 5 5	8 2 5 5
8 X X 4	8 X X 4	8 X X 4	8 X X 4	8 X X 4	8 X X 4	8 X X 4	8 X X 4	8 X X 4	8 X X 4
3 X X 1	3 X X 1	3 X X 1	3 X X 1	3 X X 1	3 X X 1	3 X X 1	3 X X 1	3 X X 1	3 X X 1
7 7 9	7 7 9	7 7 9	7 7 9	7 7 9	7 7 9	7 7 9	7 7 9	7 7 9 4	7 7 9 4
6 6 9	6 6 9	6 6 9	6 6 9	6 6 9 1	6 6 9 1	6 6 9 1	6 6 9 1	6 6 9 1	6 6 9 1
8 2 X X	8 2 X X	8 2 X X	8 2 X X	8 2 X X	8 2 X X	8 2 X X	8 2 X X	8 2 X X	8 2 X X
8 3 X X	8 3 X X	8 3 X X	8 3 X X	8 3 9	8 3 9	8 3 9	8 3 9	8 3 9 4	8 3 9 4
7 7 9 4	7 7 9 4	7 7 9 4	7 7 9 4	7 7 9 4	7 7 9 4	7 7 9 4	7 7 9 4	7 7 9 4	7 7 9 4
6 6 9 1	6 6 9 1	6 6 9 1	6 6 9 1	6 6 1	6 6 1	6 6 1	6 6 1	6 6 1	6 6 1
5 5 X X	5 5 X X	5 5 X X	5 5 X X	5 5 X X	5 5 X X	5 5 X X	5 5 X X	5 5 X X	5 5 X X
2 X X	2 X X	2 X X	2 X X	2 X X	2 X X	2 X X	2 X X	2 X X	2 X X
8 3 9 4	8 9 4	8 9 4	8 9 4	8 9 4	8 9 4	8 9 4	8 9 4	8 9 4	8 9 4
8 9 1	8 9 1	8 9 1	8 9 1	8 9 1	8 9 1	8 9 1	8 9 1	8 9 1	8 9 1
7 7 6 6	7 7 6 6	7 7 6 6	7 7 6 6	7 7 6 6	7 7 6 6	7 7 6 6	7 7 6 6	7 7 6 6	7 7 6 6
2 3 5 5	2 3 5 5	2 3 5 5	2 3 5 5	2 3 5 5	2 3 5 5	2 3 5 5	2 3 5 5	2 3 5 5	2 3 5 5
8 X X	8 9 X X	8 9 X X	8 9 X X	8 9 X X	8 9 X X	8 9 X X	8 9 X X	8 9 X X	8 9 X X
8 9 X X	8 9 X X	8 9 X X	8 9 X X	8 9 X X	8 9 X X	8 9 X X	8 9 X X	8 9 X X	8 9 X X
9 4 1	9 4 1	9 4 1	9 4 1	7 7 4 1	7 7 4 1	7 7 4 1	7 7 4 1	7 7 4 1	7 7 4 1
7 7 6 6	7 7 6 6	7 7 6 6	7 7 6 6	6 6 6	6 6 6	6 6 6	6 6 6	6 6 6	6 6 6
8 9 2 3	8 9 2 3	8 9 2 3	8 9 2 3	8 9 2 3	8 9 2 3	8 9 2 3	8 9 2 3	8 9 2 3	8 9 2 3
8 9 5 5	8 9 5 5	8 9 5 5	8 9 5 5	8 9 5 5	8 9 5 5	8 9 5 5	8 9 5 5	8 9 5 5	8 9 5 5
6 6 7 7	6 6 7 7	6 6 7 7	6 6 7 7	6 6 7 7	6 6 7 7	6 6 7 7	6 6 7 7	6 6 7 7	6 6 7 7
8 9 2 3	8 9 2 3	8 9 2 3	8 9 2 3	8 9 2 3	8 9 2 3	8 9 2 3	8 9 2 3	8 9 2 3	8 9 2 3
8 9 5 5	8 9 5 5	8 9 5 5	8 9 5 5	8 9 5 5	8 9 5 5	8 9 5 5	8 9 5 5	8 9 5 5	8 9 5 5
6 6 7 7	6 6 7 7	6 6 7 7	6 6 7 7	6 6 7 7	6 6 7 7	6 6 7 7	6 6 7 7	6 6 7 7	6 6 7 7
4 1 X X	4 1 X X	4 1 X X	4 1 X X	4 1 X X	4 1 X X	4 1 X X	4 1 X X	4 1 X X	4 1 X X
4 X X	4 X X	4 X X	4 X X	4 X X	4 X X	4 X X	4 X X	4 X X	4 X X

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

A Solution To Super Compo

Here is a solution of 132 straight-line moves; it can be converted to 123 rectilinear moves by combining steps 32/33, 39/40, 42/43, 62/63, 74/75, 78/79, 81/82, 105/106, 130/131:

1 X X	1 X X	1 X X	1 X X	1 X X	1 X X	1 X X	1 X X	1 X X	1 X X	8 1 X X
1 X X 2	X X 2	8 X X 2	8 X X 2	8 X X 2	8 X X 2	8 X X 2	8 X X 2	8 X X 2	8 X X 2	8 X X 2
8 5 5 9	8 5 5 9	8 5 5 9	8 5 5 9	8 5 5 9	8 5 5 9	8 5 5 9	8 5 5 9	8 5 5 9	8 5 5 9	8 5 5 9
8 6 6 9	8 6 6 9	6 6 9	3 6 6 9	3 6 6 9	3 6 6 9	3 6 6 9	3 6 6 9	3 6 6 9	3 6 6 9	3 6 6 9
3 7 7 4	3 7 7 4	3 7 7 4	7 7 4	7 7 4	7 7 4	7 7 4	7 7 4	7 7 4	7 7 4	7 7 4
8 1 X X	8 1 X X	8 1 X X	8 1 X X	8 1 X X	8 1 X X	8 1 X X	8 1 X X	8 1 X X	8 1 X X	8 1 X X
8 X X	8 X X	8 X X	8 X X	8 X X	8 X X	8 X X	8 X X	8 X X	8 X X	8 X X
5 5 2	5 5 2	5 5 2 9	5 5 2 9	5 5 2 9	5 5 2 9	5 5 2 9	5 5 2 9	5 5 2 9	5 5 2 9	5 5 2 9
3 6 6 9	3 6 6 9	3 6 6 9	3 6 6 9	3 6 6 9	3 6 6 9	3 6 6 9	3 6 6 9	3 6 6 9	3 6 6 9	3 6 6 9
7 7 4 9	7 7 4 9	7 7 4	7 7 4	7 7 4	7 7 4	7 7 4	7 7 4	7 7 4	7 7 4	7 7 4
1 X X	1 X X 9	1 X X 9	1 X X 9	1 X X 9	1 X X 9	1 X X 9	1 X X 9	1 X X 9	1 X X 9	1 X X 9
8 X X 9	8 X X 9	8 X X 9	8 X X 9	8 X X 9	8 X X 9	8 X X 9	8 X X 9	8 X X 9	8 X X 9	8 X X 9
8 5 5	8 5 5	8 5 5	8 5 5	8 5 5	8 5 5	8 5 5	8 5 5	8 5 5	8 5 5	8 5 5
6 6 2 9	6 6 2	6 6 2	6 6 2	6 6 2	6 6 2	6 6 2	6 6 2	6 6 2	6 6 2	6 6 2
3 7 7 4	3 7 7 4	3 7 7 4	3 7 7 4	3 7 7 4	3 7 7 4	3 7 7 4	3 7 7 4	3 7 7 4	3 7 7 4	3 7 7 4
1 X X 9	1 X X 9	1 X X 9	1 X X 9	1 X X 9	1 X X 9	1 X X 9	1 X X 9	1 X X 9	1 X X 9	1 X X 9
8 X X 9	8 X X 9	8 X X 9	8 X X 9	8 X X 9	8 X X 9	8 X X 9	8 X X 9	8 X X 9	8 X X 9	8 X X 9
8 3 5 5	8 3 5 5	8 3 5 5	8 3 5 5	8 3 5 5	8 3 5 5	8 3 5 5	8 3 5 5	8 3 5 5	8 3 5 5	8 3 5 5
6 6	7 7 6 6	7 7 6 6	7 7 6 6	7 7 6 6	7 7 6 6	7 7 6 6	7 7 6 6	7 7 6 6	7 7 6 6	7 7 6 6
7 7 4 2	4 2	4 2	4 2	4 2	4 2	4 2	4 2	4 2	4 2	4 2
1 X X 9	1 X X 9	1 X X 9	1 X X 9	1 X X 9	1 X X 9	1 X X 9	1 X X 9	1 X X 9	1 X X 9	1 X X 9
3 X X 9	3 X X 9	3 X X 9	3 X X 9	3 X X 9	3 X X 9	3 X X 9	3 X X 9	3 X X 9	3 X X 9	3 X X 9
8 5 5	8 4 5 5	8 4 5 5	8 4 5 5	8 4 5 5	8 4 5 5	8 4 5 5	8 4 5 5	8 4 5 5	8 4 5 5	8 4 5 5
8 4 7 7	8 7 7	8 2 7 7	8 2 7 7	8 2 7 7	8 2 7 7	8 2 7 7	8 2 7 7	8 2 7 7	8 2 7 7	8 2 7 7
2 6 6	2 6 6	6 6	6 6	6 6	6 6	6 6	6 6	6 6	6 6	6 6
1 X X 9	1 X X 9	1 X X 9	1 X X 9	1 X X 9	1 X X 9	1 X X 9	1 X X 9	1 X X 9	1 X X 9	1 X X 9
3 X X 9	3 X X 9	3 X X 9	3 X X 9	3 X X 9	3 X X 9	3 X X 9	3 X X 9	3 X X 9	3 X X 9	3 X X 9
5 5 2	5 5 2	5 5 2	5 5 2	5 5 2	5 5 2	5 5 2	5 5 2	5 5 2	5 5 2	5 5 2
8 4 7 7	8 4 7 7	8 4 7 7	8 7 7	8 7 7	8 7 7	8 7 7	8 7 7	8 7 7	8 7 7	8 7 7
8 6 6	8 6 6	8 6 6	8 4 6 6	8 4 6 6	8 4 6 6	8 4 6 6	8 4 6 6	8 4 6 6	8 4 6 6	8 4 6 6
1 3 X X	1 3 X X	1 3 X X	1 3 X X	1 3	1 3	1 3	1 3	1 3	1 3	1 3
5 5 X X	5 5 X X	5 5 X X	5 5 X X	5 5 X X	5 5 X X	5 5 X X	5 5 X X	5 5 X X	5 5 X X	5 5 X X
8 2 9	8 2 9	8 2 9	8 2 9	8 2 X X	8 2 X X	8 2 X X	8 2 X X	8 2 X X	8 2 X X	8 2 X X
8 7 7 9	8 7 7 9	8 7 7 9	8 7 7 9	8 7 7 9	8 7 7 9	8 7 7 9	8 7 7 9	8 7 7 9	8 7 7 9	8 7 7 9
4 6 6	4 6 6	4 6 6	4 6 6 9	4 6 6 9	4 6 6 9	4 6 6 9	4 6 6 9	4 6 6 9	4 6 6 9	4 6 6 9
5 5 1	5 5 1	5 5	5 5	2 5 5	2 5 5	2 5 5	2 5 5	2 5 5	2 5 5	2 5 5
2 X X	2 X X	2 X X 1	2 X X 1	X X 1	X X 1	X X 1	X X 1	X X 1	X X 1	X X 1
8 X X 3	8 X X 3	8 X X 3	8 X X 3	8 X X 3	8 X X 3	8 X X 3	8 X X 3	8 X X 3	8 X X 3	8 X X 3
8 7 7 9	8 7 7 9	8 7 7 9	8 7 7 9	8 7 7 9	8 7 7 9	8 7 7 9	8 7 7 9	8 7 7 9	8 7 7 9	8 7 7 9
4 6 6 9	4 6 6 9	4 6 6 9	4 6 6 9	4 6 6 9	4 6 6 9	4 6 6 9	4 6 6 9	4 6 6 9	4 6 6 9	4 6 6 9
8 2 5 5	8 2 5 5	8 2 5 5	8 2 5 5	8 2 5 5	8 2 5 5	8 2 5 5	8 2 5 5	8 2 5 5	8 2 5 5	8 2 5 5
8 X X 1	8 X X	8 X X	8 2 X X	8 2 X X	8 2 X X	8 2 X X	8 2 X X	8 2 X X	8 2 X X	8 2 X X
4 X X	4 X X	4 X X	4 X X	4 X X	4 X X	4 X X	4 X X	4 X X	4 X X	4 X X
7 7 9	7 7 9 1	7 7 9 1	7 7 9 1	7 7 9 1	7 7 9 1	7 7 9 1	7 7 9 1	7 7 9 1	7 7 9 1	7 7 9 1
6 6 9 3	6 6 9 3	6 6 9 3	6 6 9 3	6 6 9 3	6 6 9 3	6 6 9 3	6 6 9 3	6 6 9 3	6 6 9 3	6 6 9 3
5 5 X X	5 5 X X	5 5 X X	5 5 X X	5 5 X X	5 5 X X	5 5 X X	5 5 X X	5 5 X X	5 5 X X	5 5 X X
8 2 X X	8 2 X X	8 2 X X	8 2 X X	8 2 X X	8 2 X X	8 2 X X	8 2 X X	8 2 X X	8 2 X X	8 2 X X
8 4 9 1	8 4 9 1	8 4 9 1	8 4 9 1	8 9 1	8 9 1	8 9 1	8 9 1	8 9 1	8 9 1	8 9 1
7 7 9 3	7 7 9 3	7 7 9 3	7 7 9 3	7 7 9 3	7 7 9 3	7 7 9 3	7 7 9 3	7 7 9 3	7 7 9 3	7 7 9 3
6 6	7 7 6 6	7 7 6 6	7 7 6 6	7 7 6 6	7 7 6 6	7 7 6 6	7 7 6 6	7 7 6 6	7 7 6 6	7 7 6 6
2 4 5 5	2 4 5 5	2 4 5 5	2 4 5 5	2 4 5 5	2 4 5 5	2 4 5 5	2 4 5 5	2 4 5 5	2 4 5 5	2 4 5 5
8 X X	8 X X	8 X X	8 X X	8 X X	8 X X	8 X X	8 X X	8 X X	8 X X	8 X X
8 9 X X	8 9 X X	8 9 X X	8 9 X X	8 9 X X	8 9 X X	8 9 X X	8 9 X X	8 9 X X	8 9 X X	8 9 X X
8 9 1 3	9 1 3	1 3	7 7 1 3	7 7 1 3	7 7 1 3	7 7 1 3	7 7 1 3	7 7 1 3	7 7 1 3	7 7 1 3
7 7 6 6	7 7 6 6	7 7 6 6	6 6	6 6	6 6	6 6	6 6	6 6	6 6	6 6
8 2 4	8 9 2 4	8 9 2 4	8 9 2 4	8 9 2 4	8 9 2 4	8 9 2 4	8 9 2 4	8 9 2 4	8 9 2 4	8 9 2 4
8 9 5 5	8 9 5 5	8 9 5 5	8 9 5 5	8 9 5 5	8 9 5 5	8 9 5 5	8 9 5 5	8 9 5 5	8 9 5 5	8 9 5 5
9 X X	7 7 X X	7 7 X X	7 7 X X	7 7 X X	7 7 X X	7 7 X X	7 7 X X	7 7 X X	7 7 X X	7 7 X X
7 7 X X	7 7 X X	X X	6 6 X X	6 6 X X	6 6 X X	6 6 X X	6 6 X X	6 6 X X	6 6 X X	6 6 X X
6 6 1 3	6 6 1 3	6 6 1 3	1 3	1 3	1 3	1 3	1 3	1 3	1 3	1 3
8 9 2 4										
8 9 5 5										
6 6 7 7										
3 X X										
1 X X										

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