

This is much like the triangle problem but it is in the shape of a diamond. Here is a sample of two different solutions for two possible starting puzzle with one peg removed. While other could be created by rotating and flipping those other solutions. No two solutions from a group have the same moves, just in a different order. Use the board layout found at the top of the first column. Start the game by removing the peg mentioned in the first line of each solution. The jumps are much like in checkers. The direction of jumping is parallel to the four sides. The first number is the peg doing the jumping; the second number is jumped over and removed from the board. The third number is where the jumping peg lands. Make each of the moves as listed for that game. Moves like 1 3 7 or 7 8 9 or 21 13 7 are legal. Moves like 1 4 9 or 6 11 18 are not permitted.

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      1
     2 3 4
    5 6 7 8 9
   10 11 12 13 14 15 16
  17 18 19 20 21 22 23 24 25
   26 27 28 29 30 31 32
    33 34 35 36 37
     38 39 40
      41

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Remove peg 2	11	19	27	25	24	23	34	35	36	10	11	12
4 3 2	27	28	29	33	34	35	37	36	35	22	14	8
13 7 3	29	21	13	39	35	29	10	11	12	4	8	14
1 3 7	13	7	3				26	27	28	20	12	6
11 12 13	2	3	4	29	30	31	17	18	19	6	7	8
13 7 3	Remove peg 2			31	23	15	4	8	14	8	14	22
27 19 11	4	3	2	15	14	13	39	35	29	22	30	36
29 28 27	13	7	3	13	21	29	29	30	31	36	35	34
38 34 28	1	3	7	29	28	27	31	23	15	16	15	14
36 35 34	11	12	13	27	19	11	15	14	13	17	18	19
22 30 36	13	7	3	5	11	19	13	12	11	25	24	23
32 31 30	2	6	12	Remove peg 23			11	19	27	32	31	30
5 6 7	15	14	13	9	15	23	27	28	29	33	34	35
41 39 35	13	12	11	13	14	15	29	21	13	39	35	29
15 23 31	31	23	15	16	15	14	13	7	3	29	30	31
31 30 29	29	30	31	3	7	13	2	3	4	31	23	15
29 35 39	40	36	30	13	14	15	Remove peg 23			15	14	13
3 7 13	34	35	36	5	6	7	9	15	23	13	21	29
13 14 15	41	39	35	11	12	13	31	23	15	29	28	27
33 34 35	20	28	34	13	7	3	29	30	31	27	19	11
16 15 14	9	8	7	27	19	11	40	36	30	5	11	19
17 18 19	10	11	12	29	28	27	34	35	36			
40 36 30	26	27	28	38	34	28	41	39	35			
20 28 34	3	7	13	36	35	34	20	28	34			
34 35 36	13	12	11	22	30	36	26	27	28			
26 27 28	11	19	27	32	31	30	11	19	27			
25 24 23	27	28	29	41	39	35	27	28	29			
37 36 35	29	35	39	15	23	31	29	35	39			
10 11 12	37	36	35	31	30	29	13	12	11			
9 8 7	38	34	28	29	35	39	2	6	12			
39 35 29	22	30	36	33	34	35	8	7	6			
29 30 31	36	35	34	25	24	23	6	12	20			
31 23 15	32	31	30	1	3	7	38	34	28			
15 14 13	17	18	19	40	36	30	37	36	35			
13 12 11	16	15	14	20	28	34	1	3	7			