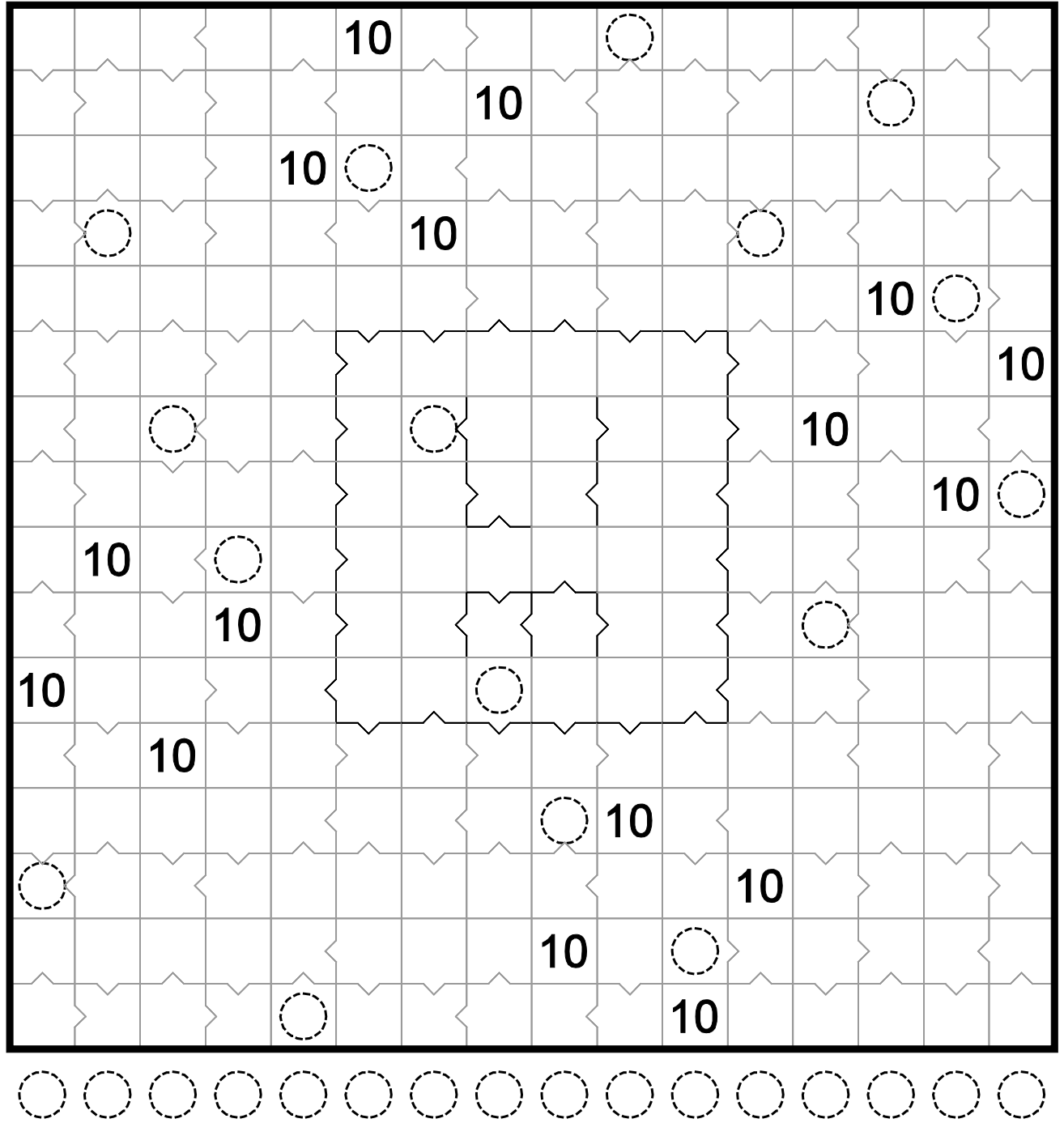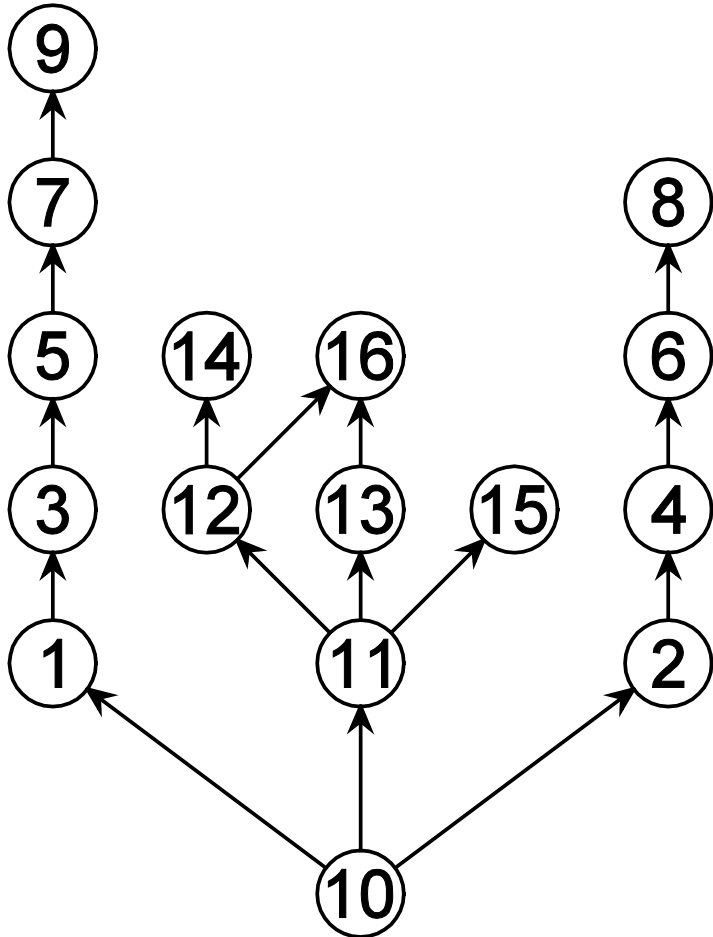# NEW, HUGE, AND CHALLENGING!
A One-Puzzle LMI Fun Contest By Ivan Koswara

Poset Futoshiki Put an integer between 1-16 into each cell such that every number appears exactly once in each row/column. Additionally, if $x < y$ in the grid, then there is a path from x to y following the arrows (including the directions) in the diagram.

Answer key Enter the contents of the marked cells from left to right. For two-digit numbers, enter only the last digit.

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8	2	7	9	3	10	5	1	15	13	6	4	11	14	12	16
6	4	3	1	5	9	7	10	11	16	8	2	15	12	14	13
9	1	8	2	10	7	3	5	4	6	12	15	14	13	16	11
7	3	6	4	1	5	10	9	2	8	14	11	12	16	13	15
2	8	13	14	12	15	16	11	6	4	9	3	1	10	7	5
4	6	16	12	14	11	13	15	8	2	7	5	9	3	1	10
11	15	4	8	6	2	12	14	9	1	16	13	10	5	3	7
15	11	2	6	8	4	14	12	1	3	13	16	5	7	10	9
3	10	5	7	9	1	15	16	13	14	4	8	2	6	11	12
5	9	1	10	7	3	11	13	16	12	2	6	4	8	15	14
10	7	9	5	13	16	6	4	14	15	11	12	3	1	8	2
1	5	10	3	16	13	8	2	12	11	15	14	7	9	6	4
14	13	15	16	11	12	4	6	5	10	3	7	8	2	9	1
12	16	11	13	15	14	2	8	7	9	1	10	6	4	5	3
13	14	12	15	2	8	9	3	10	7	5	1	16	11	4	6
16	12	14	11	4	6	1	7	3	5	10	9	13	15	2	8