



A 15x15 grid representing a puzzle state. The grid contains numbers 1 through 7 in various cells, with empty cells representing zeros. The numbers are distributed as follows (row by row):

- Row 1: (1,1)=1, (3,1)=3, (4,1)=4, (6,1)=3, (7,1)=1, (14,1)=4, (15,1)=1
- Row 2: (1,2)=2, (3,2)=6, (5,2)=2, (6,2)=2, (8,2)=7, (10,2)=1, (11,2)=2, (12,2)=2
- Row 3: (1,3)=5, (2,3)=1, (3,3)=3, (5,3)=1, (6,3)=5, (7,3)=2, (8,3)=1, (10,3)=1, (12,3)=1
- Row 4: (1,4)=5, (3,4)=3, (5,4)=4, (6,4)=2, (7,4)=3, (8,4)=4, (9,4)=3, (10,4)=1, (12,4)=3
- Row 5: (1,5)=1, (3,5)=2, (4,5)=4, (5,5)=2, (6,5)=3, (7,5)=4, (8,5)=3, (9,5)=3, (10,5)=1, (12,5)=3
- Row 6: (1,6)=2, (2,6)=1, (3,6)=4, (4,6)=5, (5,6)=4, (6,6)=5, (8,6)=6, (9,6)=1
- Row 7: (1,7)=5, (3,7)=6, (5,7)=5, (6,7)=3
- Row 8: (1,8)=4, (2,8)=2, (3,8)=1, (4,8)=5, (5,8)=2, (6,8)=4, (7,8)=1, (8,8)=6, (9,8)=4
- Row 9: (1,9)=3, (2,9)=2, (3,9)=5, (4,9)=4, (5,9)=2, (6,9)=1, (7,9)=2, (8,9)=7, (9,9)=2, (10,9)=1
- Row 10: (1,10)=6, (2,10)=6, (3,10)=6, (4,10)=1, (5,10)=4, (6,10)=3, (7,10)=2, (8,10)=5, (9,10)=1, (10,10)=1
- Row 11: (1,11)=2, (2,11)=5, (3,11)=4, (4,11)=2, (5,11)=3, (6,11)=3, (7,11)=2, (8,11)=5, (9,11)=2, (10,11)=3
- Row 12: (1,12)=1, (2,12)=5, (3,12)=5, (4,12)=2, (5,12)=4, (6,12)=2, (7,12)=4, (8,12)=3, (9,12)=3
- Row 13: (1,13)=4, (2,13)=4, (3,13)=4, (4,13)=4, (5,13)=4, (6,13)=4, (7,13)=4, (8,13)=4, (9,13)=4, (10,13)=4, (11,13)=4, (12,13)=4, (13,13)=4, (14,13)=4, (15,13)=4