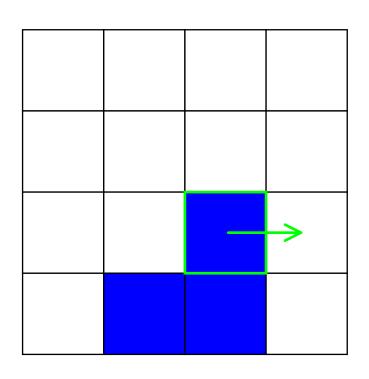
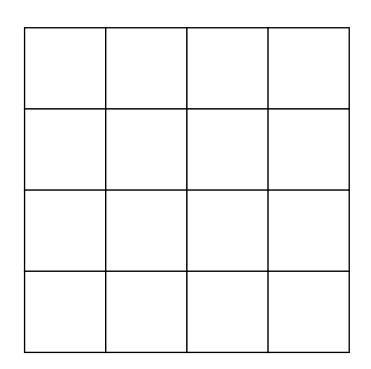
..::SOLUTION:...: Solvable in 1 moves (blocks positions: {(2, 2): <Color: blue>, (3, 1): <Color: blue>, (3, 2): <Color: blue>})

INITIAL STATE: (MOVE 1)
Perform: move_right at position: (2, 2):



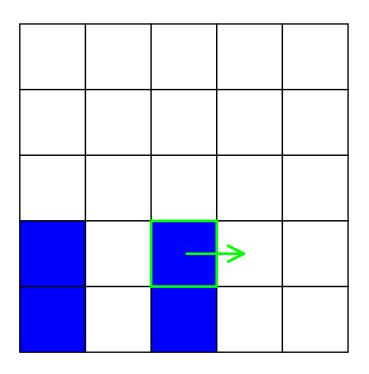


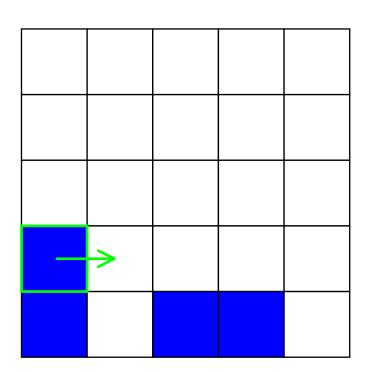


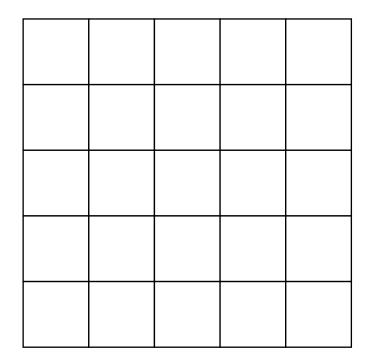
..::SOLUTION:...: Solvable in 2 moves (blocks positions: {(3, 0): <Color: blue>, (3, 2): <Color: blue>, (4, 0): <Color: blue>, (4, 2): <Color: blue>})

INITIAL STATE: (MOVE 1)
Perform: move_right at position: (3, 2):

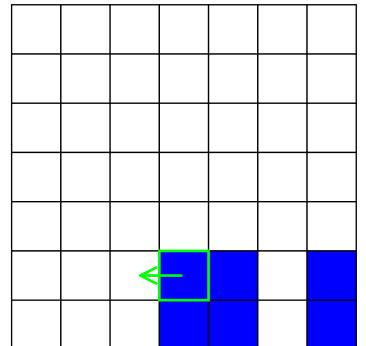
(MOVE 2)
Perform: move_right at position: (3, 0):

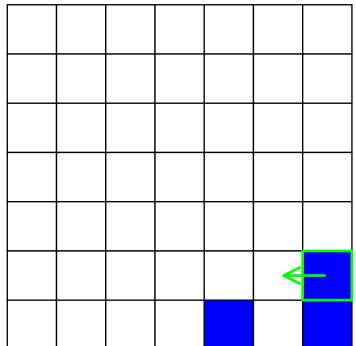


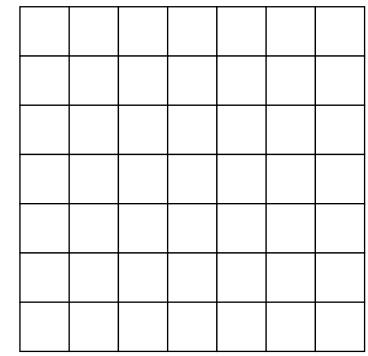




..::SOLUTION:...: Solvable in 2 moves (blocks positions: {(5, 3): <Color: blue>, (5, 4): <Color: blue>, (5, 6): <Color: blue>, (6, 3): <Color: blue>, (6, 4): <Color: blue>, (6, 6): <Color: blue>, (6, 6): <Color: blue>, (6, 6): <Color: blue>, (6, 3): <Color: blue>, (6, 4): <Color: blue>, (6, 6): <Color: blue>, (7, 6): bl

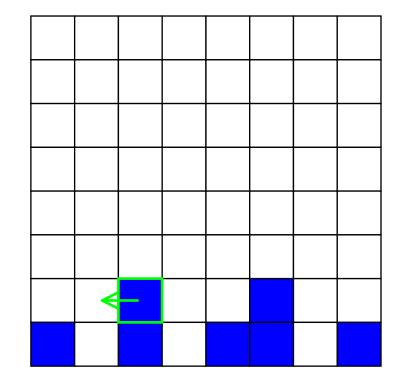




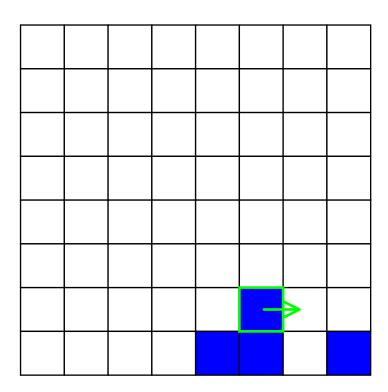


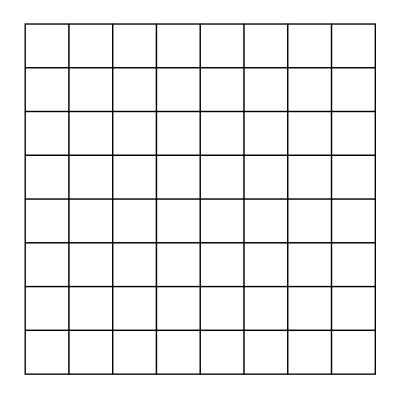
..::SOLUTION:...: Solvable in 2 moves (blocks positions: {(6, 2): <Color: blue>, (6, 5): <Color: blue>, (7, 0): <Color: blue>, (7, 2): <Color: blue>, (7, 4): <Color: blue>, (7, 5): <Color: blue>,

INITIAL STATE: (MOVE 1)
Perform: move_left at position: (6, 2):



(MOVE 2)
Perform: move_right at position: (6, 5):

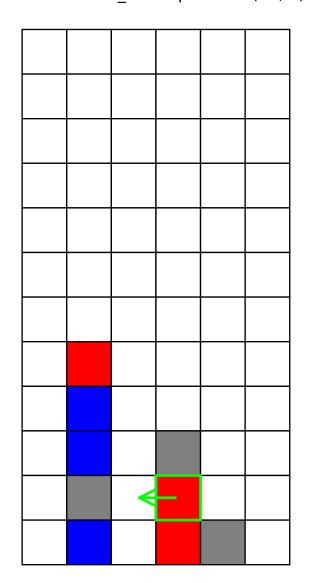


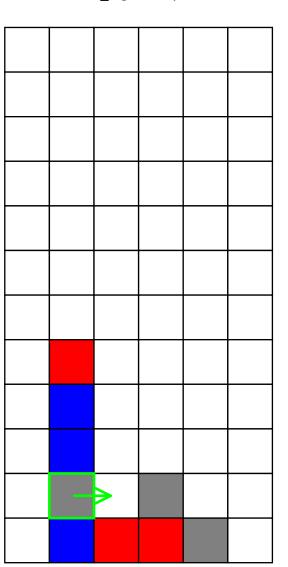


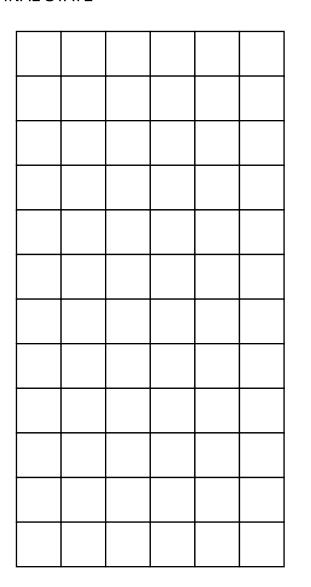
.:::SOLUTION::..: Solvable in 2 moves (blocks positions: {(7, 1): <Color: red>, (8, 1): <Color: blue>, (9, 1): <Color: blue>, (9, 3): <Color: gray>, (10, 1): <Color: gray>, (10, 3): <Color:

INITIAL STATE: (MOVE 1)
Perform: move_left at position: (10, 3):

(MOVE 2)
Perform: move_right at position: (10, 1):

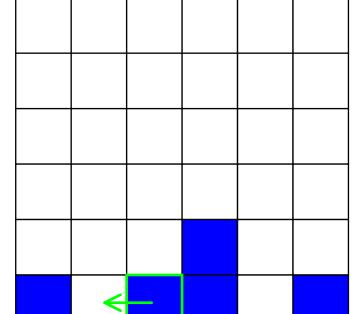


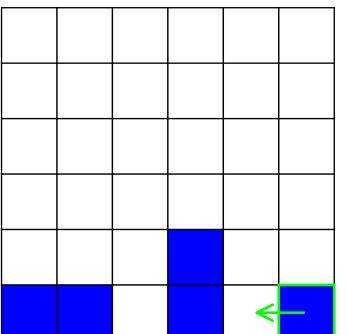


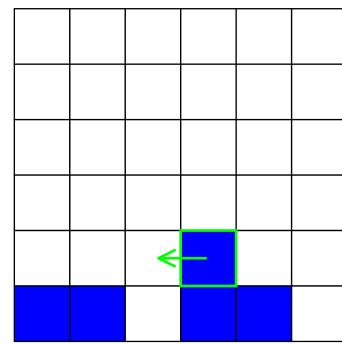


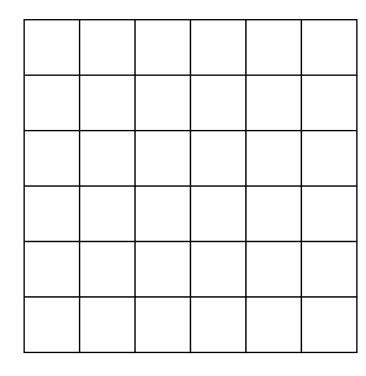
.:::SOLUTION::..: Solvable in 3 moves (blocks positions: {(4, 3): <Color: blue>, (5, 0): <Color: blue>, (5, 2): <Color: blue>, (5, 3): <Color: blue>, (5, 5): <Color: blue>})

INITIAL STATE: (MOVE 1)
Perform: move_left at position: (5, 2):
Perform: move_left at position: (5, 5):
Perform: move_left at position: (4, 3):



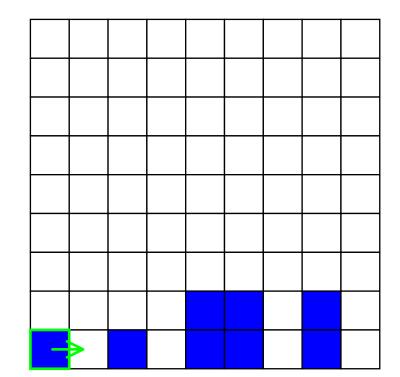




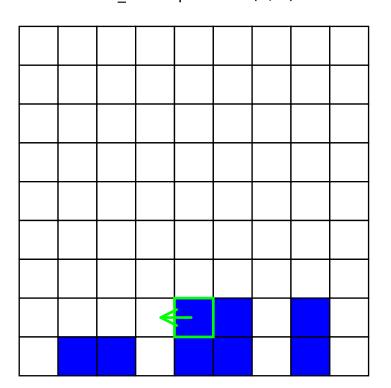


..::SOLUTION:...: Solvable in 3 moves (blocks positions: {(7, 4): <Color: blue>, (7, 5): <Color: blue>, (8, 0): <Color: blue>, (8, 2): <Color: blue>, (8, 4): <Color: blue>, (8, 5): <Color: blue>, (8, 7): <Color: blue>})

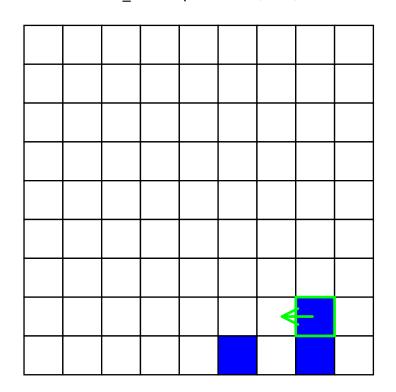
INITIAL STATE: (MOVE 1)
Perform: move_right at position: (8, 0):

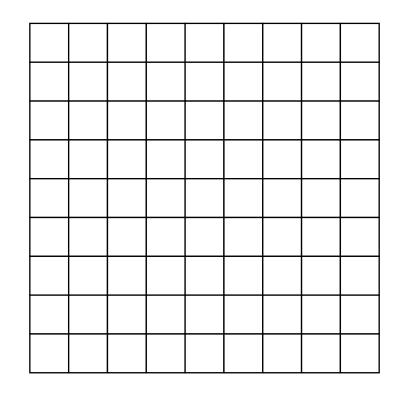


(MOVE 2)
Perform: move_left at position: (7, 4):



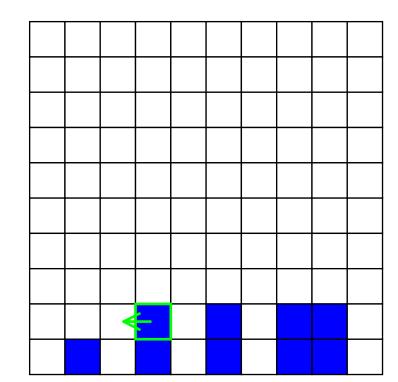
(MOVE 3)
Perform: move_left at position: (7, 7):



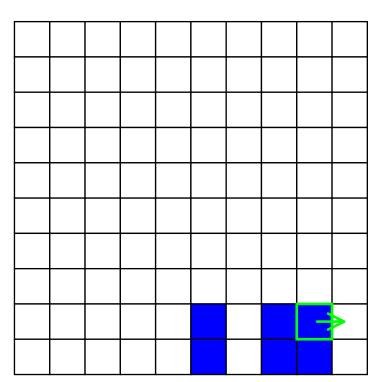


..::SOLUTION:...: Solvable in 3 moves (blocks positions: {(8, 3): <Color: blue>, (8, 5): <Color: blue>, (8, 7): <Color: blue>, (9, 1): <Color: blue>, (9, 3): <Color: blue>, (9, 5): <Color: blue>, (9, 7): <Color: blue>, (9, 8): <Color: blue>, (9, 8): <Color: blue>, (9, 1): <Color: blue>, (9, 3): <Color: blue>, (9, 5): <Color: blue>, (9, 7): <Color: blue>, (9, 8): <C

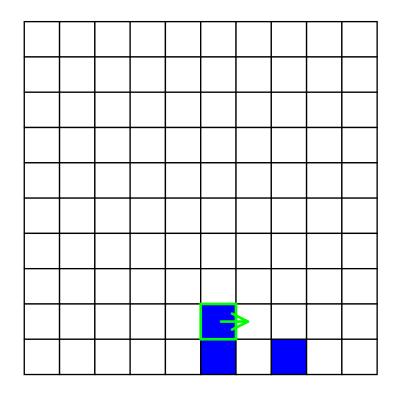
INITIAL STATE: (MOVE 1)
Perform: move_left at position: (8, 3):

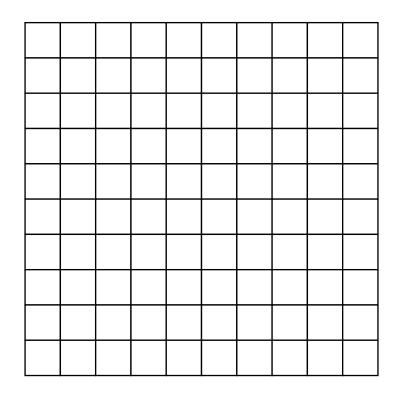


(MOVE 2)
Perform: move_right at position: (8, 8):



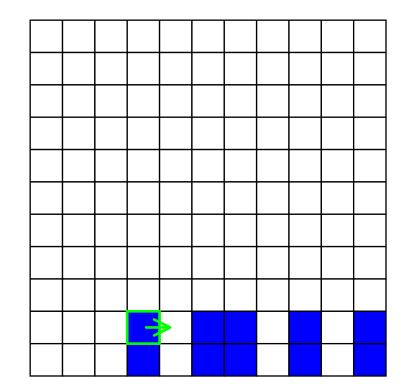
(MOVE 3)
Perform: move_right at position: (8, 5):



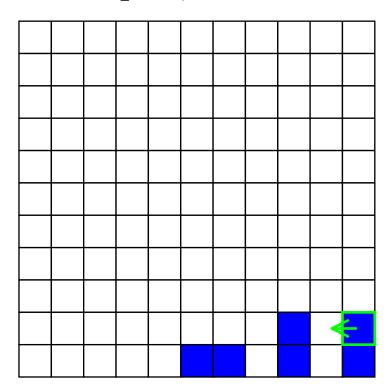


..::SOLUTION:...: Solvable in 3 moves (blocks positions: {(9, 3): <Color: blue>, (9, 5): <Color: blue>, (9, 6): <Color: blue>, (9, 8): <Color: blue>, (10, 3): <Color: blue>, (10, 5): <Color: blue>, (10, 6): <Color: blue>, (10, 8): <Color: blue>, (20, 8): <Color: blue>, (20, 20): blue>, (20, 20): blue>, (20, 20): blue>, (20, 20): blue>, (20, 20)

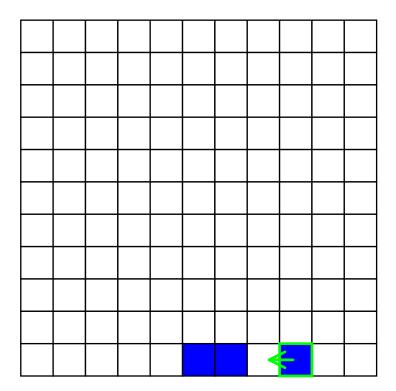
INITIAL STATE: (MOVE 1)
Perform: move_right at position: (9, 3):

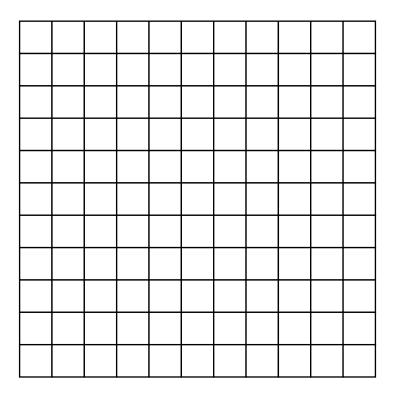


(MOVE 2)
Perform: move_left at position: (9, 10):



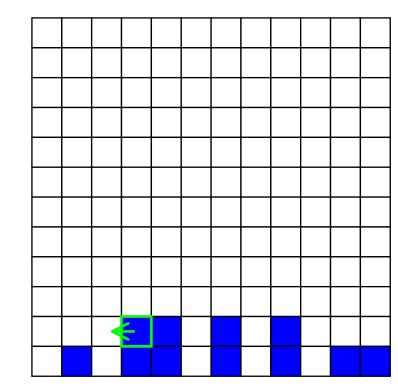
(MOVE 3)
Perform: move_left at position: (10, 8):



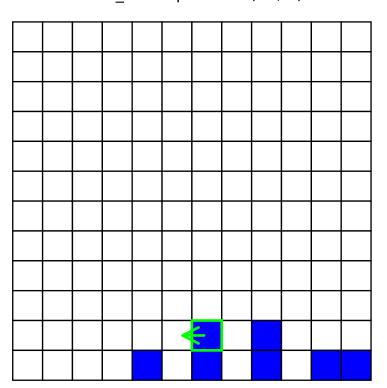


..::SOLUTION:...: Solvable in 3 moves (blocks positions: {(10, 3): <Color: blue>, (10, 4): <Color: blue>, (10, 6): <Color: blue>, (11, 1): <Color: blue>, (11, 3): <Color: blue>, (11, 4): <Color: blue>, (11, 6): <Color: blue>, (11, 8):

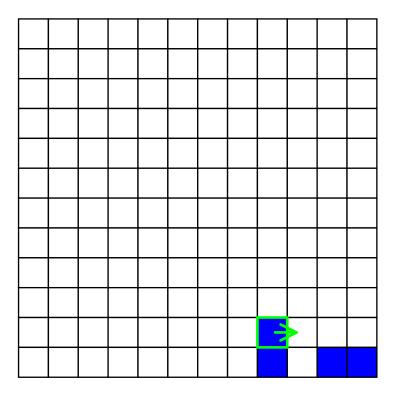
INITIAL STATE: (MOVE 1)
Perform: move_left at position: (10, 3):

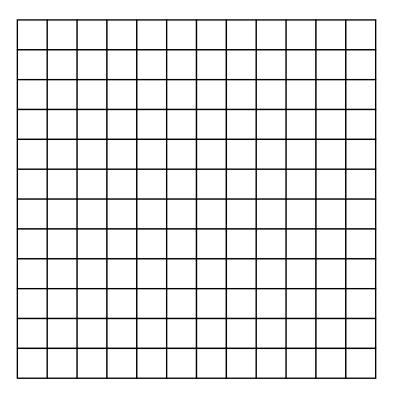


(MOVE 2)
Perform: move_left at position: (10, 6):



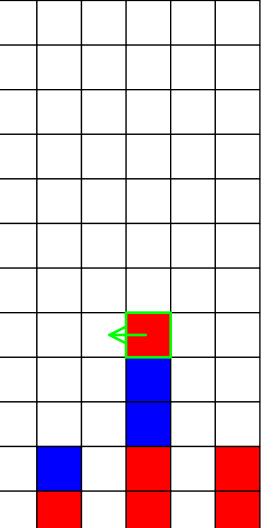
(MOVE 3)
Perform: move_right at position: (10, 8):

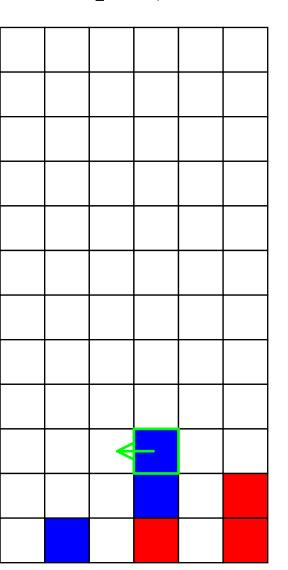


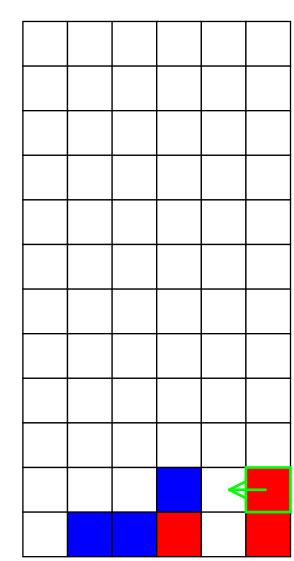


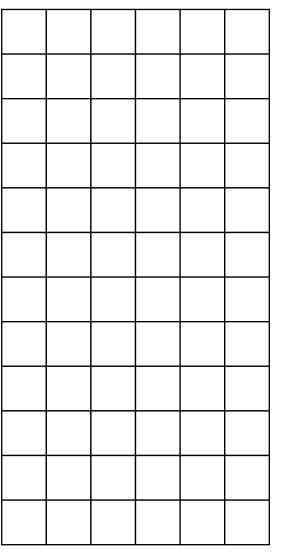
..::SOLUTION:...: Solvable in 3 moves (blocks positions: {(8, 1): <Color: red>, (9, 1): <Color: red>, (10, 1): <Color: blue>, (11, 1): <Color: blue>, (11, 3): <Color: red>, (11, 4): <Color: blue>}) (MOVE 2)
Perform: exchange_right at position: (11, 2): (MOVE 3)
Perform: exchange_right at position: (11, 1): INITIAL STATE: (MOVE 1)
Perform: move_right at position: (10, 1): FINAL STATE

..::SOLUTION:...: Solvable in 3 moves (blocks positions: {(7, 3): <Color: red>, (8, 3): <Color: blue>, (9, 3): <Color: blue>, (10, 1): <Color: blue>, (10, 3): <Color: red>, (11, 1): <Color: red>, (11, 1): <Color: red>, (11, 3): <Color: red>, (11, 3): <Color: red>, (11, 5): <Color: red>, (11, 1): <

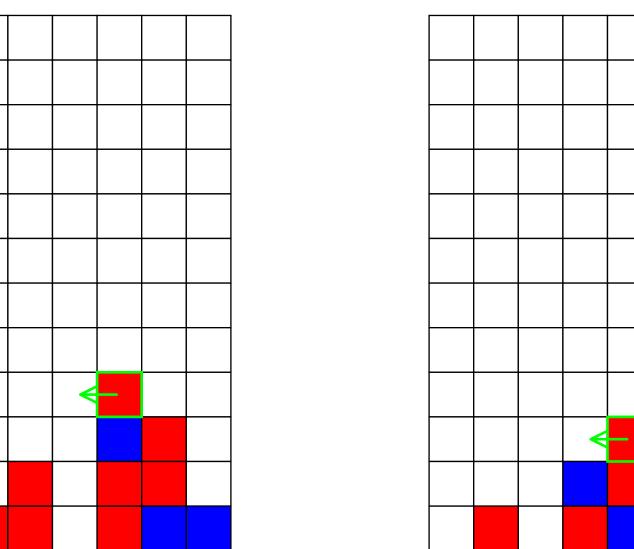


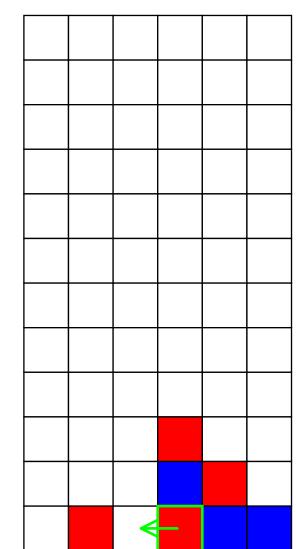


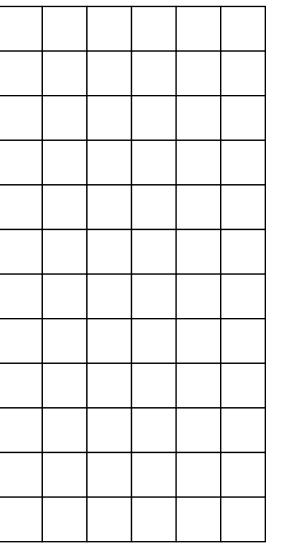




..::SOLUTION:...: Solvable in 3 moves (blocks positions: {(8, 3): <Color: red>, (9, 3): <Color: blue>, (9, 4): <Color: red>, (10, 1): <Color: red>, (10, 4): <Color: red>, (11, 0): <Color: red>, (11, 1): <Co







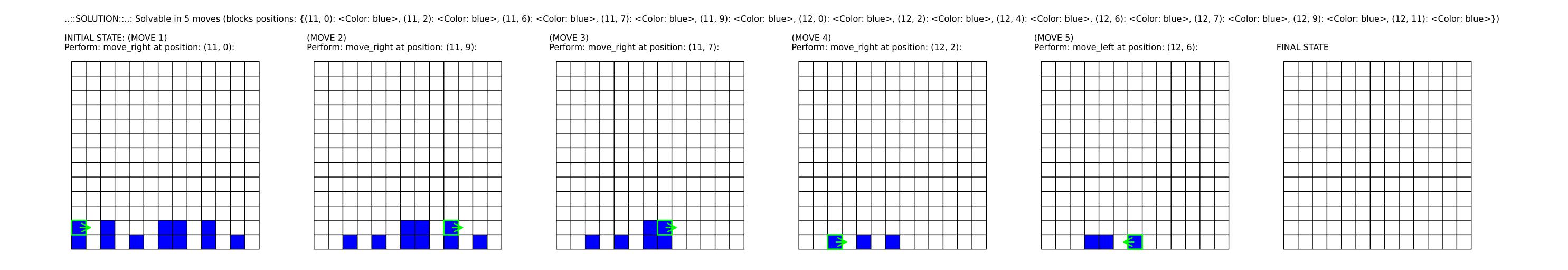
..::SOLUTION:...: Solvable in 4 moves (blocks positions: {(7, 3): <Color: blue>, (8, 3): <Color: red>, (10, 1): <Color: red>, (10, 3): <Color: blue>, (11, 0): <Color: red>, (11, 1): <Color: red>, (11, 3): <Color: blue>}) (MOVE 2)
Perform: move_right at position: (10, 3): (MOVE 3)
Perform: move_right at position: (10, 3): (MOVE 4)
Perform: move_right at position: (10, 1): INITIAL STATE: (MOVE 1)
Perform: move_left at position: (7, 3): FINAL STATE

..::SOLUTION:...: Solvable in 4 moves (blocks positions: {(8, 3): <Color: blue>, (9, 3): <Color: blue>, (10, 2): <Color: blue>, (11, 1): <Color: blue>, (11, 2): <Color: blue>, (11, 3): <Color: red>, (11, 4): <Color: blue>, (11, 5): <Color: blue>}) (MOVE 3)
Perform: exchange_right at position: (11, 2): (MOVE 2)
Perform: move_right at position: (10, 3): (MOVE 4)
Perform: exchange_right at position: (11, 1): INITIAL STATE: (MOVE 1)
Perform: exchange_right at position: (11, 2): FINAL STATE

..::SOLUTION:...: Solvable in 4 moves (blocks positions: {(8, 1): <Color: blue>, (9, 1): <Color: blue>, (10, 0): <Color: blue>, (10, 1): <Color: blue>, (11, 0): <Color: blue>, (11, 1): <Color: blue> (MOVE 2)
Perform: move_left at position: (9, 4): (MOVE 3)
Perform: move_left at position: (9, 3): (MOVE 4)
Perform: move_right at position: (10, 1): INITIAL STATE: (MOVE 1)
Perform: move_left at position: (9, 3): FINAL STATE

..::SOLUTION:...: Solvable in 4 moves (blocks positions: {(8, 4): <Color: blue>, (9, 1): <Color: gray>, (10, 1): <Color: red>, (10, 1): <Color: red>, (11, 1): <Color: blue>, (11, 3): <Color: gray>, (11, 4): <Color: gray>, (11, 5): <Color: red>}) (MOVE 2)
Perform: move_right at position: (10, 1): (MOVE 3)
Perform: exchange_right at position: (11, 4): (MOVE 4)
Perform: exchange_right at position: (11, 3): INITIAL STATE: (MOVE 1) Perform: move_right at position: (10, 1): FINAL STATE

..::SOLUTION:...: Solvable in 4 moves (blocks positions: {(8, 3): <Color: red>, (9, 4): <Color: red>, (10, 1): <Color: gray>, (10, 4): <Color: blue>, (11, 1): <Color: red>, (11, 1): <Color: red>, (11, 2): <Color: blue>, (11, 3): <Color: red>, (11, 4): <Color: gray>, (10, 4): <Color: blue>, (11, 0): <Color: blue>, (11, 1): <Color: blue>, (11, 2): <Color: blue>, (11, 2): <Color: blue>, (11, 3): <Color: red>, (11, 4): <Color: blue>, (11, 4): <Color: blue>, (11, 4): <Color: blue>, (11, 1): <Color: blue>, (11, 2): <Color: blue>, (11, 2): <Color: blue>, (11, 3): <Color: blue>, (11, 4): <Color: blue>, (11, (MOVE 3)
Perform: exchange_right at position: (11, 2): (MOVE 2)
Perform: move_left at position: (10, 3): (MOVE 4)
Perform: exchange_right at position: (11, 3): INITIAL STATE: (MOVE 1) Perform: move_right at position: (8, 3): FINAL STATE



..::SOLUTION:...: Solvable in 5 moves (blocks positions: {(9, 1): <Color: red>, (10, 0): <Color: blue>, (11, 0): <Color: red>, (11, 1): <Color: blue>, (11, 3): <Color: red>, (11, 5): <Color: red>}) INITIAL STATE: (MOVE 1)
Perform: exchange_right at position: (11, 0): (MOVE 3)
Perform: move_right at position: (9, 1): (MOVE 4)
Perform: move_right at position: (10, 0): (MOVE 5)
Perform: move_right at position: (10, 1): (MOVE 2)
Perform: move_left at position: (11, 5): FINAL STATE

