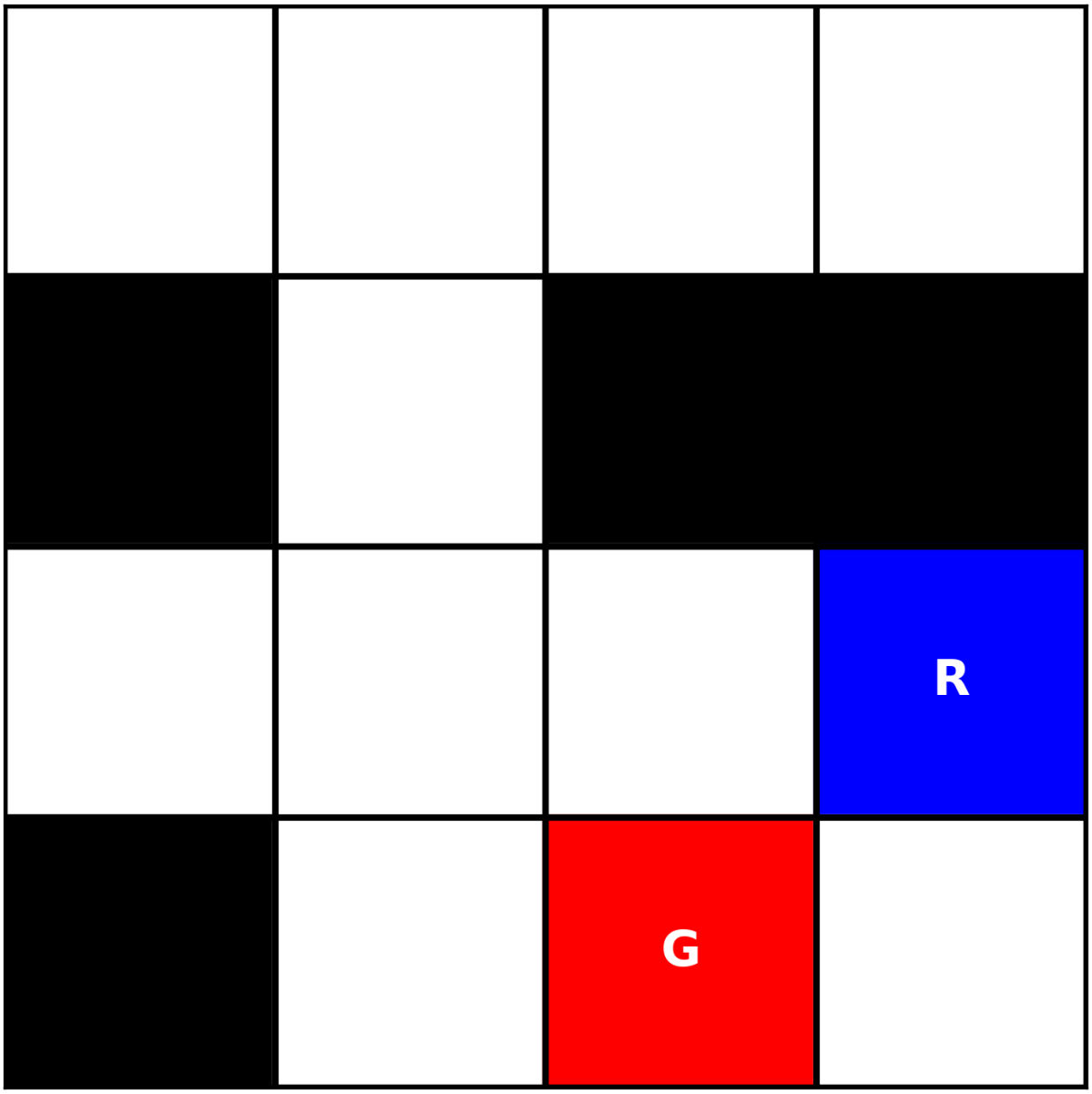


Grid has 4 rows, 4 columns

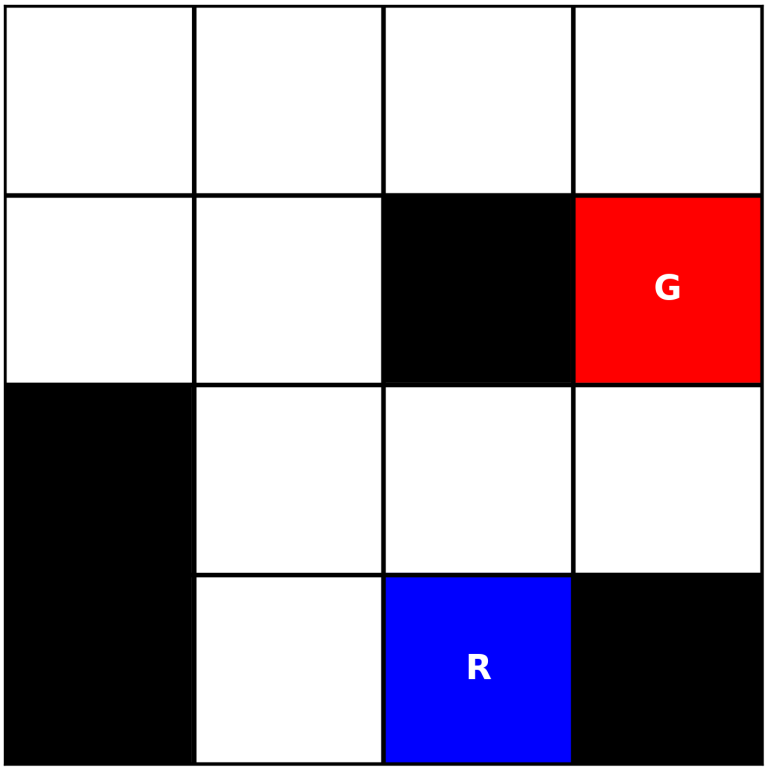
Start position: (2, 3)

Goal position: (3, 2)

Obstacle positions: (3, 0), (1, 0), (1, 2), (1, 3)

Solution:
(MOVE-DOWN-FROM-TO ROBOT1 (2,3) (3,3))

(MOVE-LEFT-FROM-TO ROBOT1 (3,3) (3,2))



Grid has 4 rows, 4 columns

Start position: (3, 2)

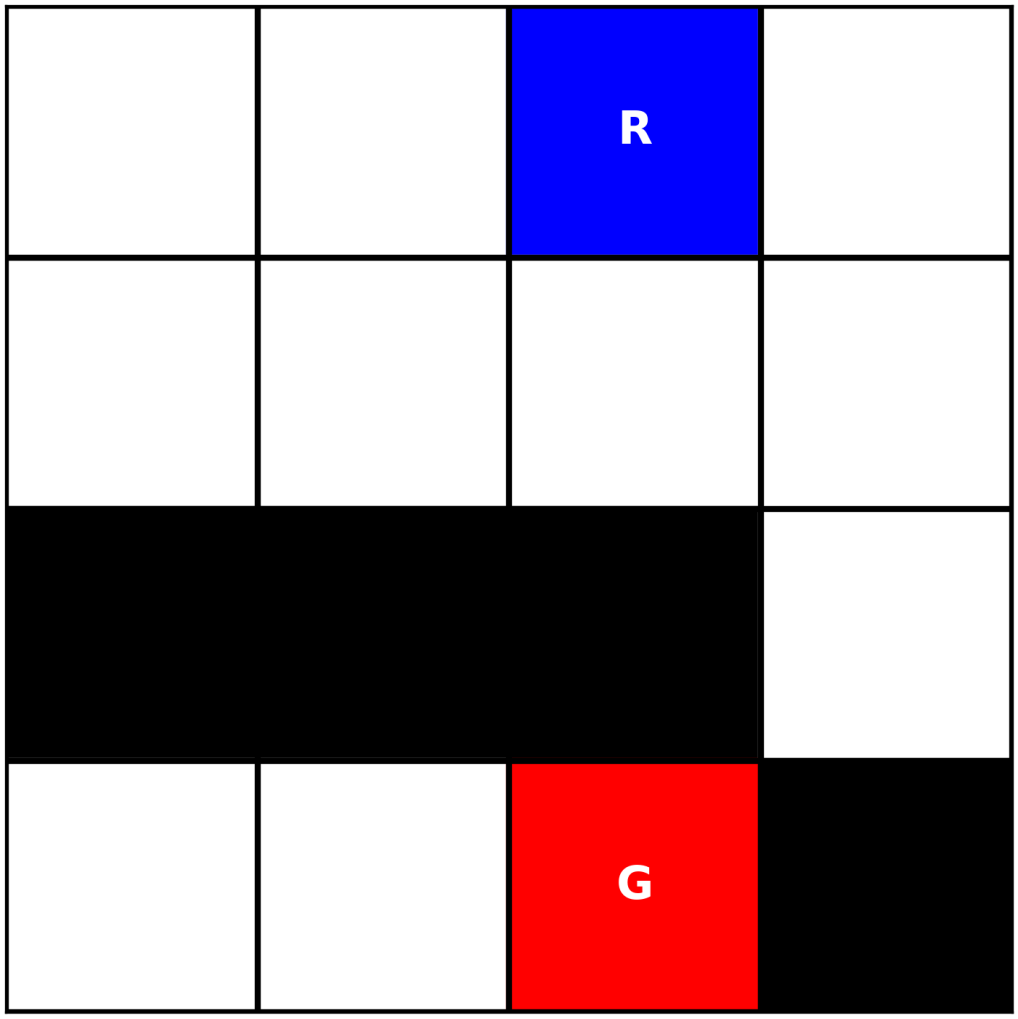
Goal position: (3, 1)

Obstacle positions: (3, 0), (2, 0), (1, 2), (3, 3)

Solution:
(MOVE-UP-FROM-TO ROBOT1 (3,2) (2,2))

(MOVE-RIGHT-FROM-TO ROBOT1 (2,2) (2,3))

(MOVE-UP-FROM-TO ROBOT1 (2,3) (1,3))



Grid has 4 rows, 4 columns

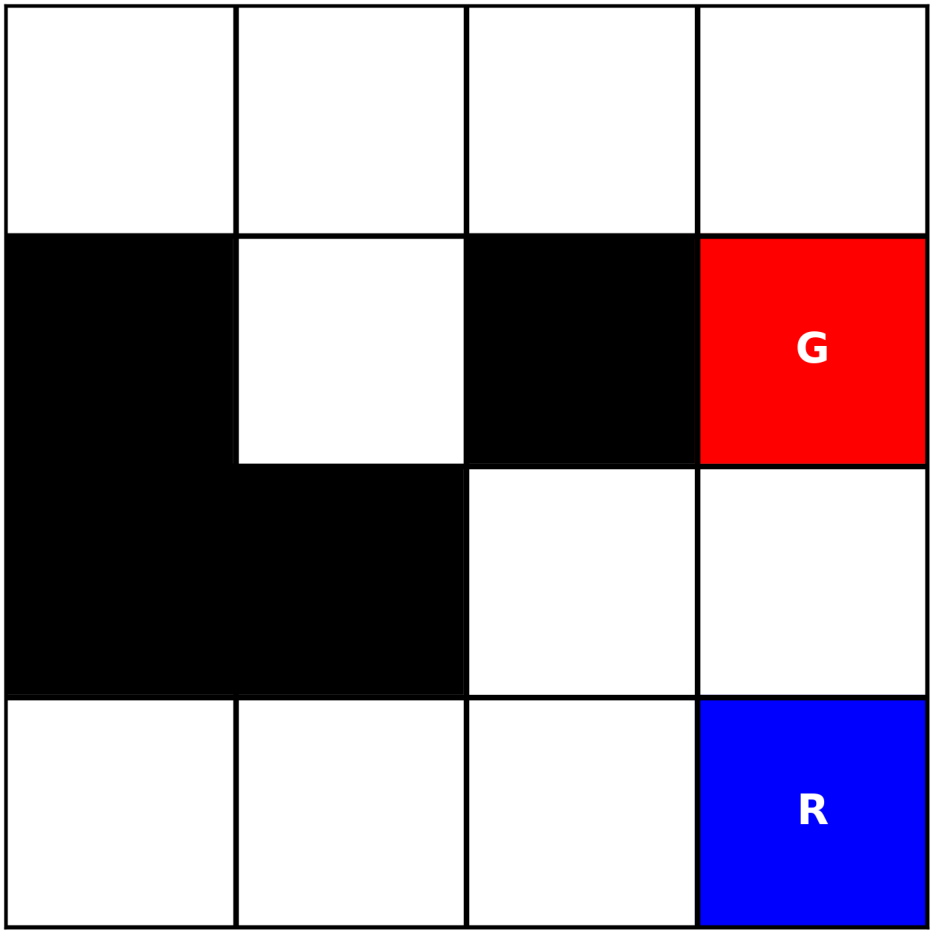
Start position: (0, 2)

Goal position: (3, 2)

Obstacle positions: (3, 3), (2, 2), (2, 1), (2, 0)

Solution:

No plan



Grid has 4 rows, 4 columns

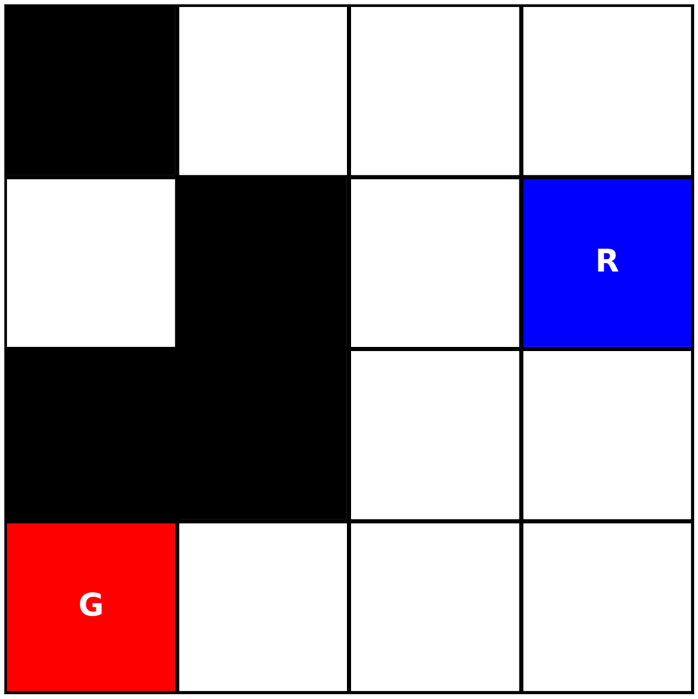
Start position: (1, 3)

Goal position: (3, 3)

Obstacle positions: (1, 2), (2, 1), (2,0), (1, 0)

Solution:
(MOVE-UP-FROM-TO ROBOT1 (3,3) (2,3))

(MOVE-UP-FROM-TO ROBOT1 (2,3) (1,3))



Grid has 4 rows, 4 columns

Start position: (1, 3)

Goal position: (3, 0)

Obstacle positions: (0, 0), (1, 1), (2, 1), (2, 0)

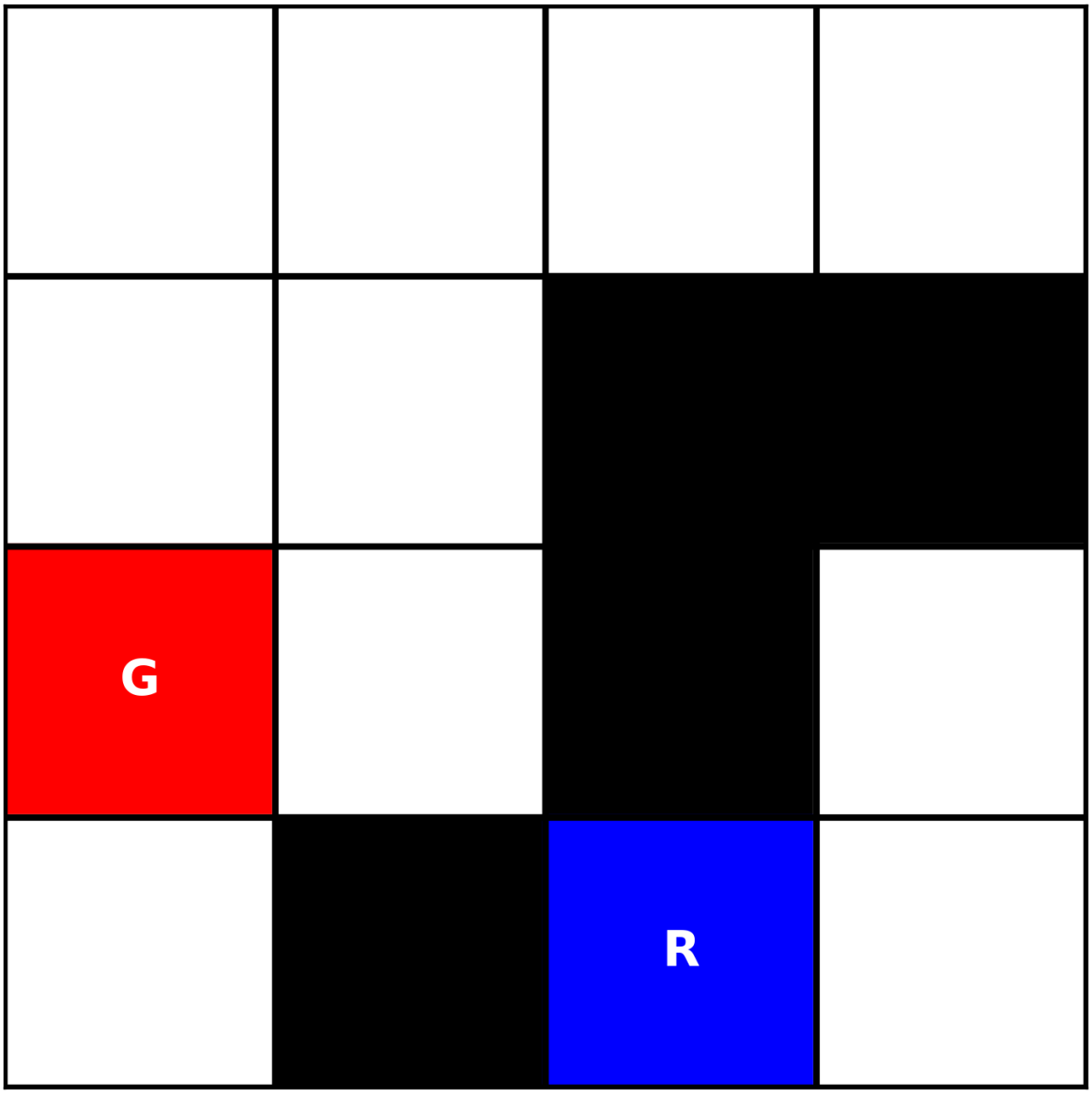
Solution:
(MOVE-DOWN-FROM-TO ROBOT1 (1,3) (2,3))

(MOVE-DOWN-FROM-TO ROBOT1 (2,3) (3,3))

(MOVE-LEFT-FROM-TO ROBOT1 (3,3) (3,2))

(MOVE-LEFT-FROM-TO ROBOT1 (3,2) (3,1))

(MOVE-LEFT-FROM-TO ROBOT1 (3,1) (3,0))



Grid has 4 rows, 4 columns

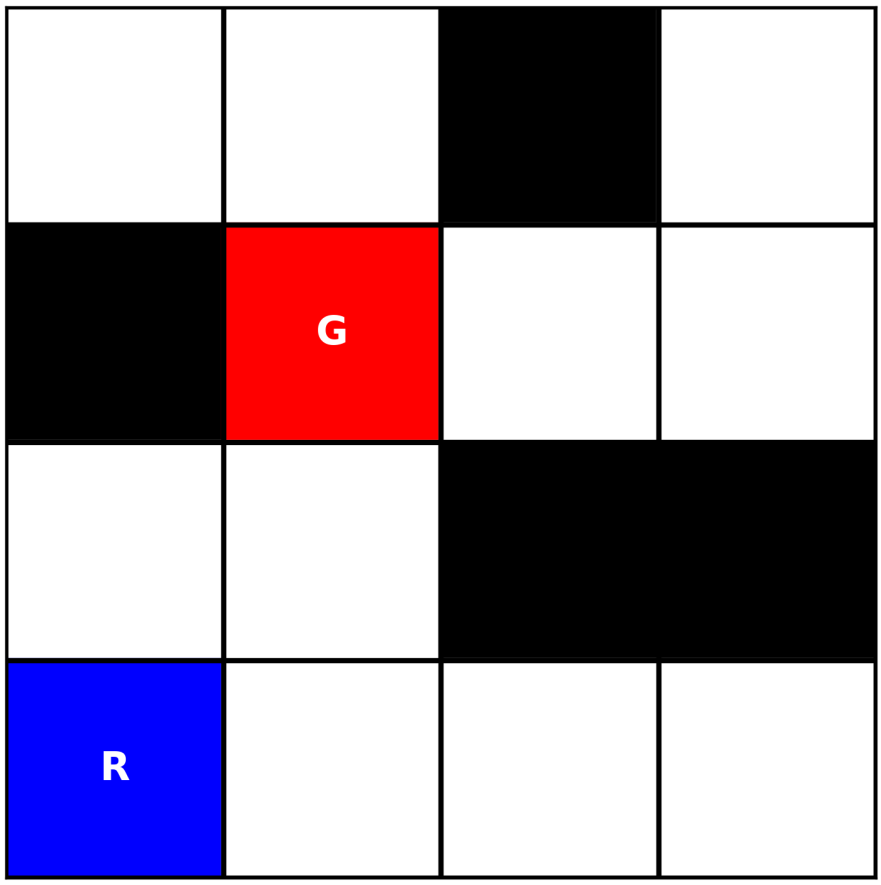
Start position: (3, 2)

Goal position: (2, 0)

Obstacle positions: (3, 1), (2, 2), (1, 2), (1, 3)

Solution:

No plan



Grid has 4 rows, 4 columns

Start position: (3, 0)

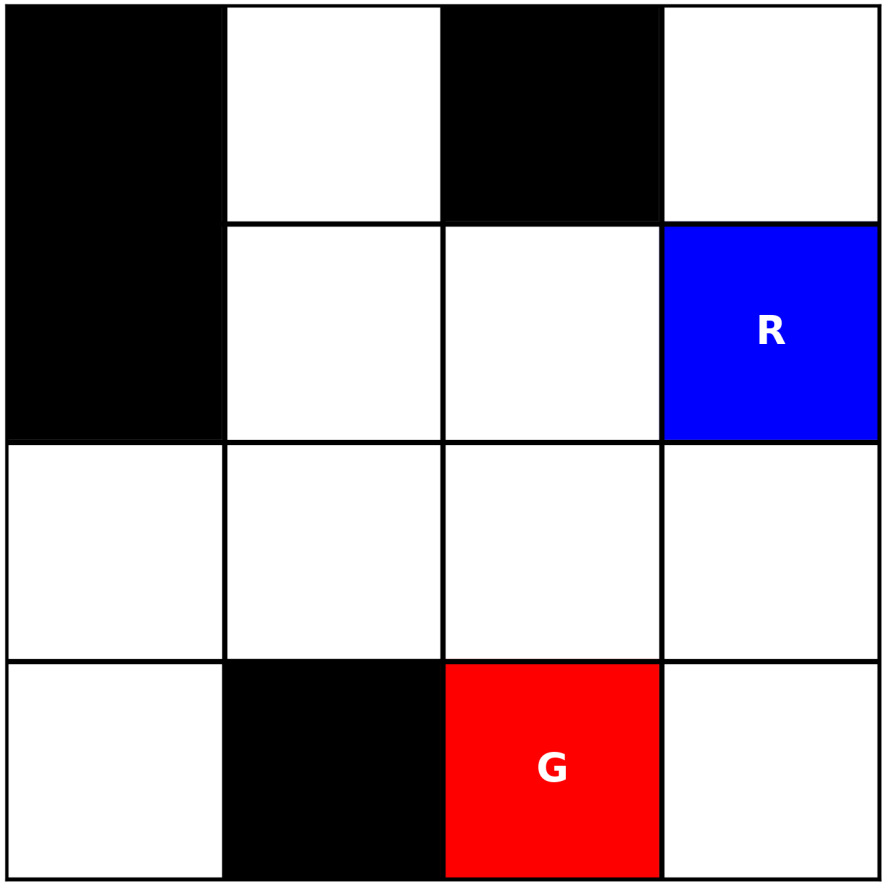
Goal position: (1, 1)

Obstacle positions: (0, 2), (1, 0), (2, 2), (2, 3)

Solution:
(MOVE-RIGHT-FROM-TO ROBOT1 (3,0) (3,1))

(MOVE-UP-FROM-TO ROBOT1 (3,1) (2,1))

(MOVE-UP-FROM-TO ROBOT1 (2,1) (1,1))



Grid has 4 rows, 4 columns

Start position: (1, 3)

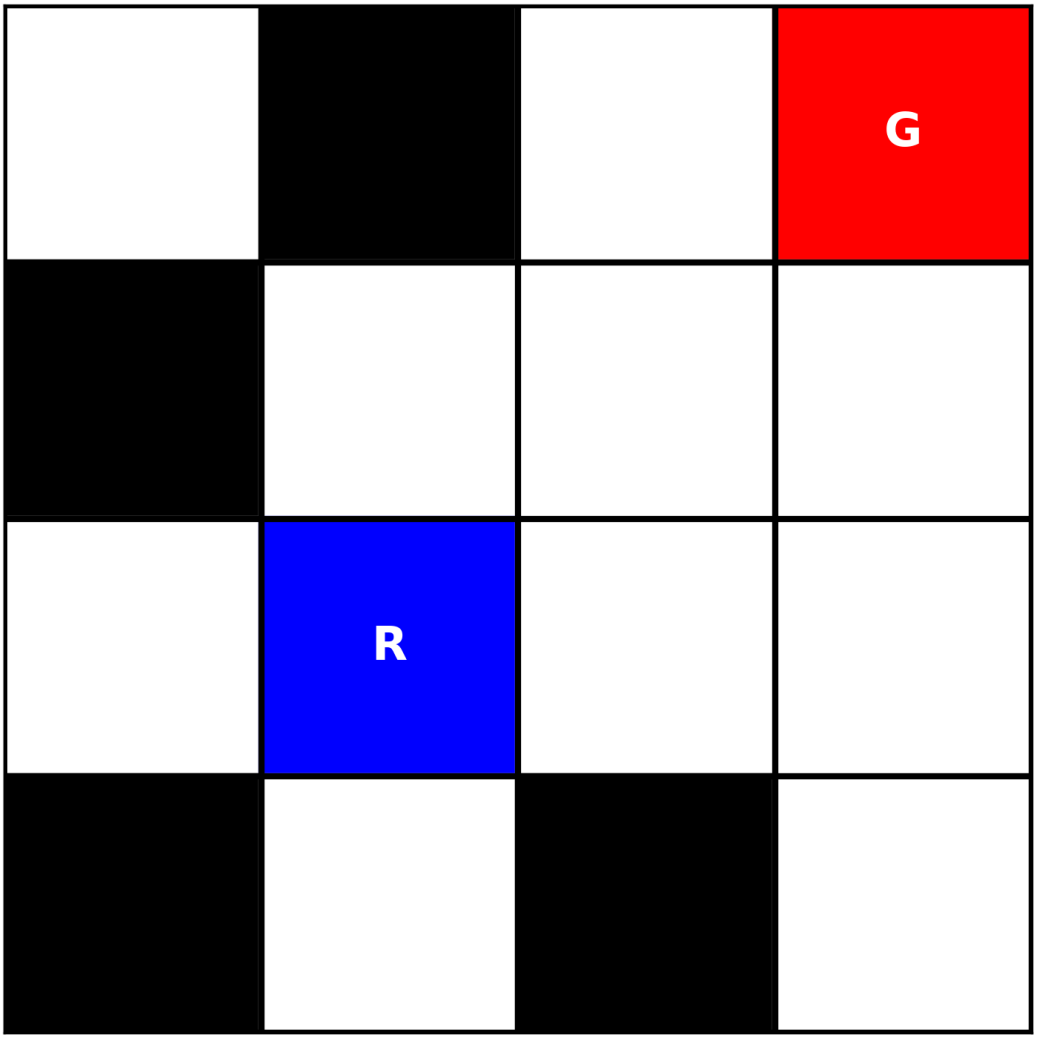
Goal position: (3, 2)

Obstacle positions: (0, 0), (1, 0), (3, 1), (0, 2)

Solution:
(MOVE-DOWN-FROM-TO ROBOT1 (1,3) (2,3))

(MOVE-DOWN-FROM-TO ROBOT1 (2,3) (3,3))

(MOVE-LEFT-FROM-TO ROBOT1 (3,3) (3,2))



Grid has 4 rows, 4 columns

Start position: (2, 1)

Goal position: (0, 3)

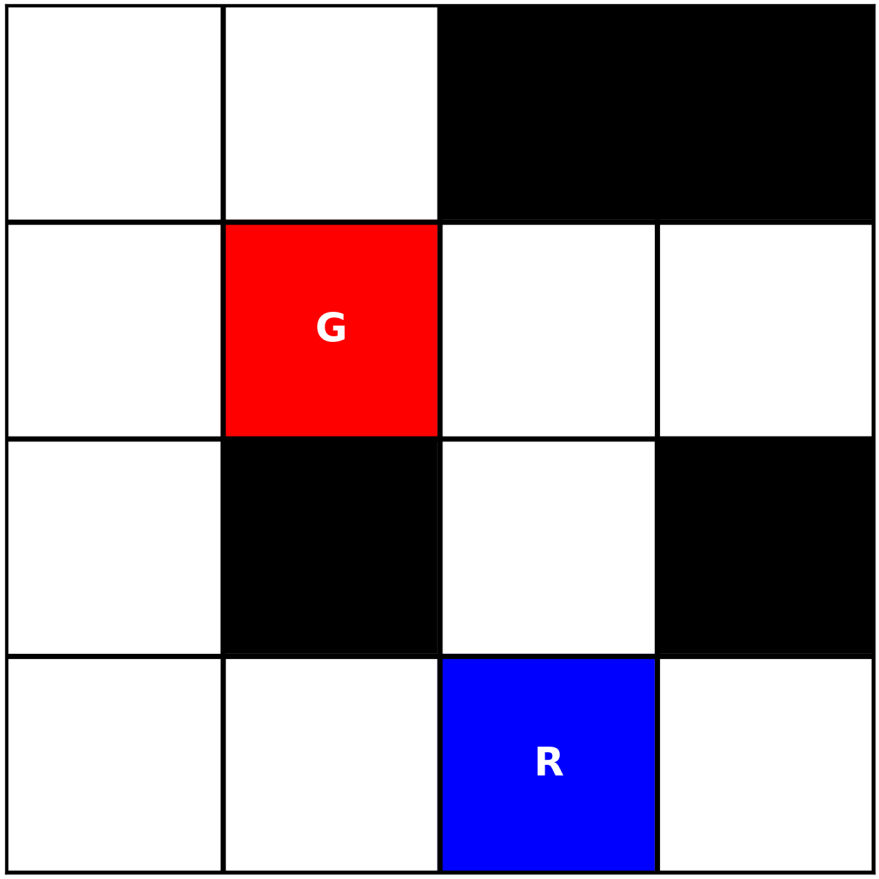
Obstacle positions: (3, 0), (1, 0), (0, 1), (3, 2)

Solution:
(MOVE-RIGHT-FROM-TO ROBOT1 (2,1) (2,2))

(MOVE-RIGHT-FROM-TO ROBOT1 (2,2) (2,3))

(MOVE-UP-FROM-TO ROBOT1 (2,3) (1,3))

(MOVE-UP-FROM-TO ROBOT1 (1,3) (0,3))



Grid has 4 rows, 4 columns

Start position: (3, 2)

Goal position: (1, 1)

Obstacle positions: (2, 3), (2, 1), (0, 3), (0, 2)

Solution:
(MOVE-UP-FROM-TO ROBOT1 (3,2) (2,2))

(MOVE-UP-FROM-TO ROBOT1 (2,2) (1,2))

(MOVE-LEFT-FROM-TO ROBOT1 (1,2) (1,1))