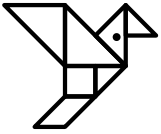


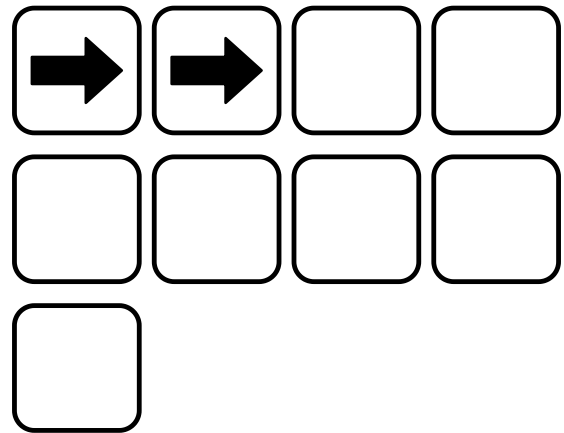
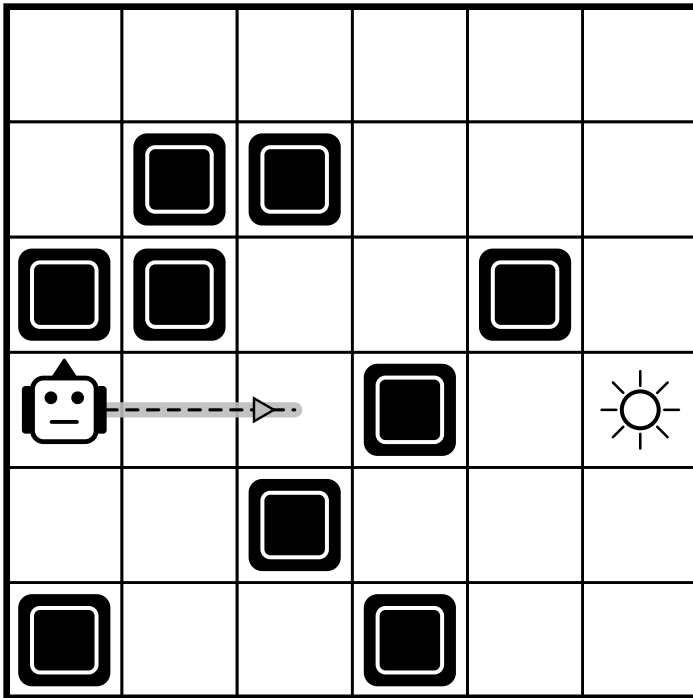


Learn a new puzzle

Write the Program



Draw arrows in the boxes to take the robot to the picture.



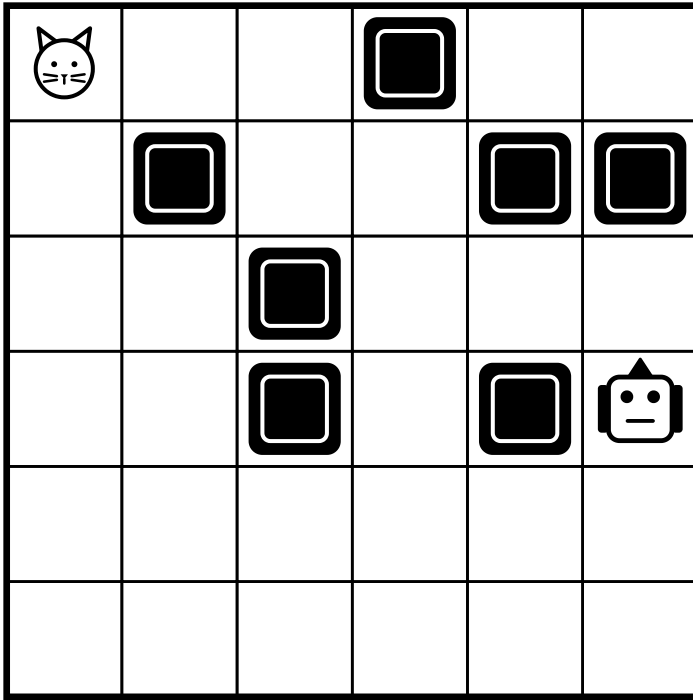
- 1 Count the boxes. That is how many cards you need.
- 2 Find a way past every apple to the picture. Plan with your finger.
- 3 Draw one card in each box. Then follow your cards to check.



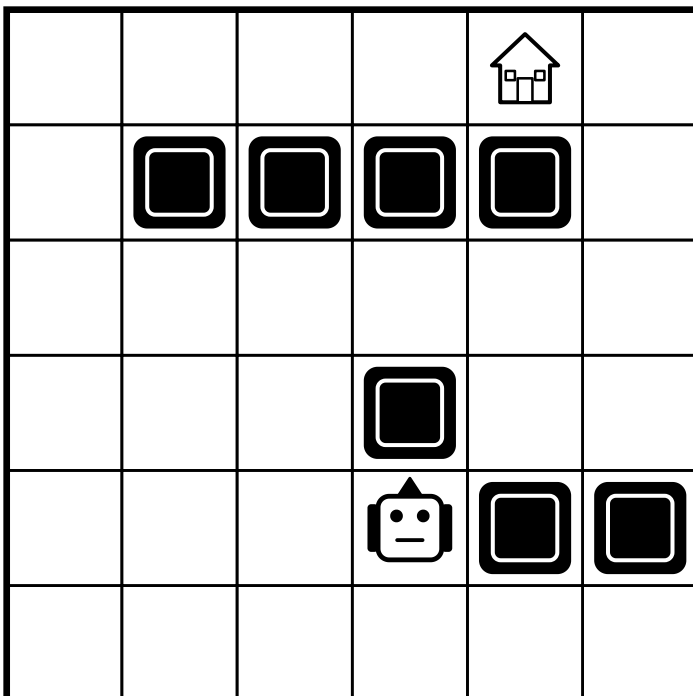
Which way will you go first? Why not the other way?



- 1 Write the Program Draw arrows in the boxes to take the robot to the picture.

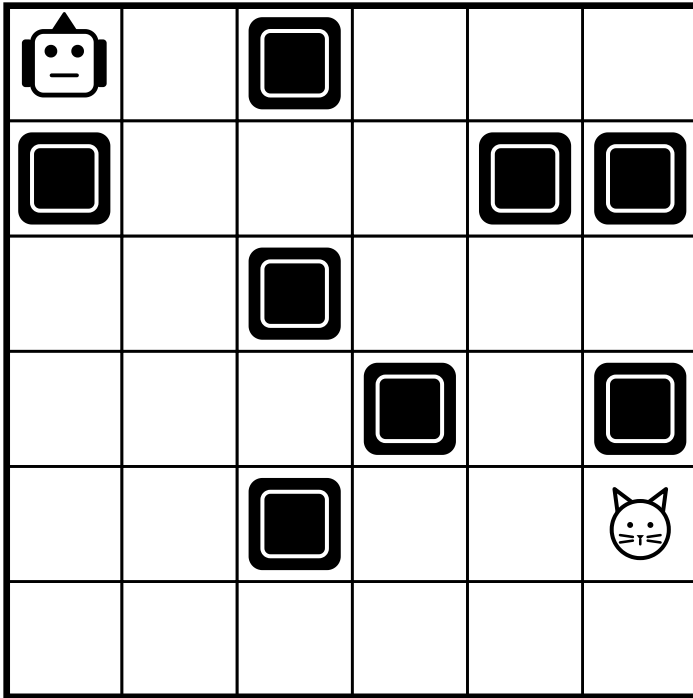


- 2 Write the Program Draw arrows in the boxes to take the robot to the picture.

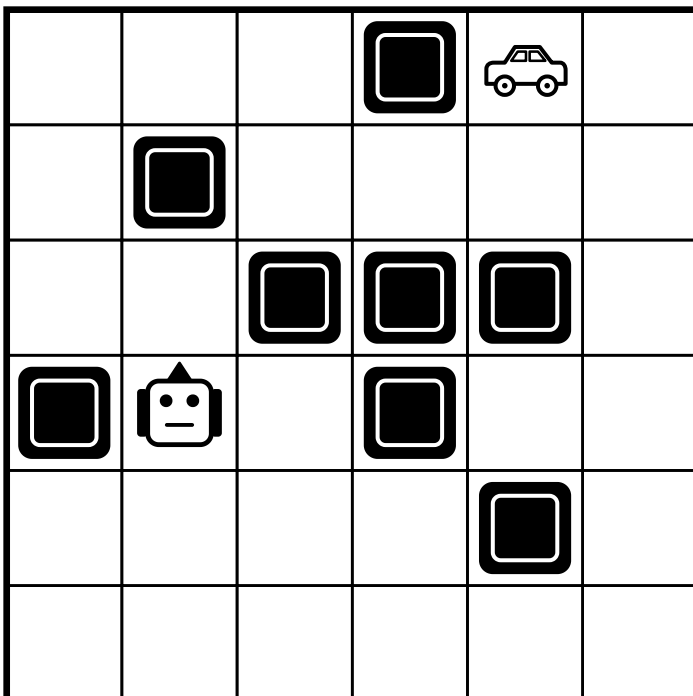




3 Write the Program Draw arrows in the boxes to take the robot to the picture.



4 Write the Program Draw arrows in the boxes to take the robot to the picture.

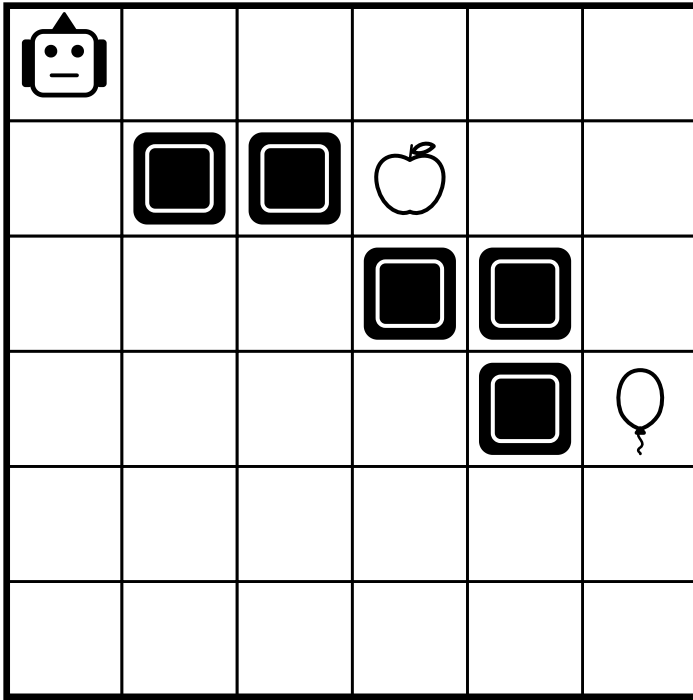




5

Write the Program

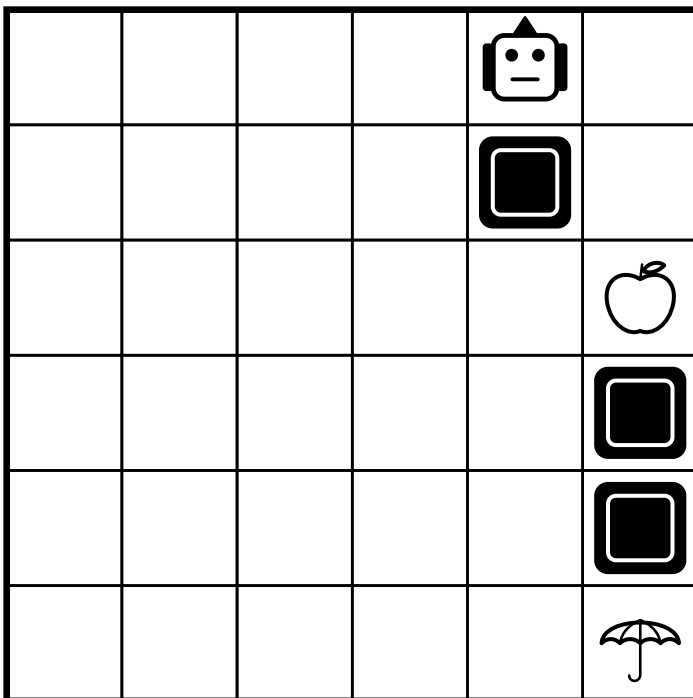
Draw arrows in the boxes. Pick up the apple, then stop on the picture.



6

Write the Program

Draw arrows in the boxes. Pick up the apple, then stop on the picture.

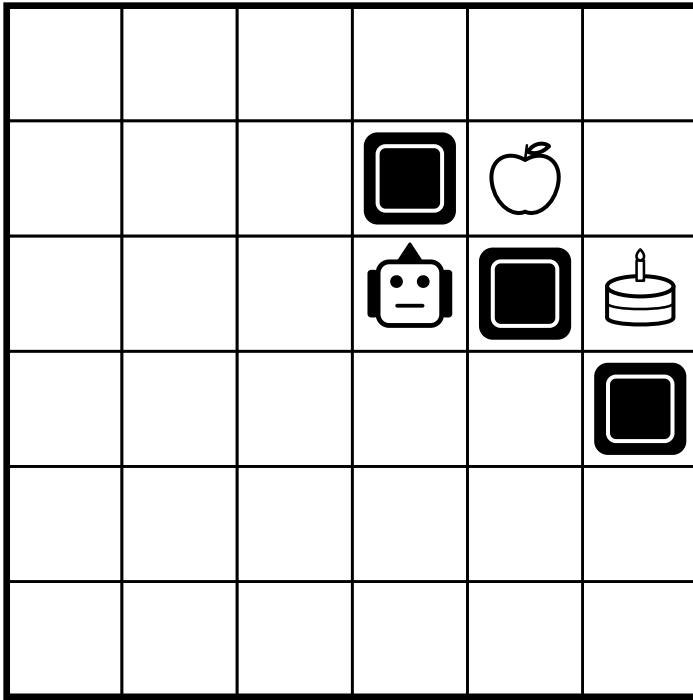




7

Write the Program

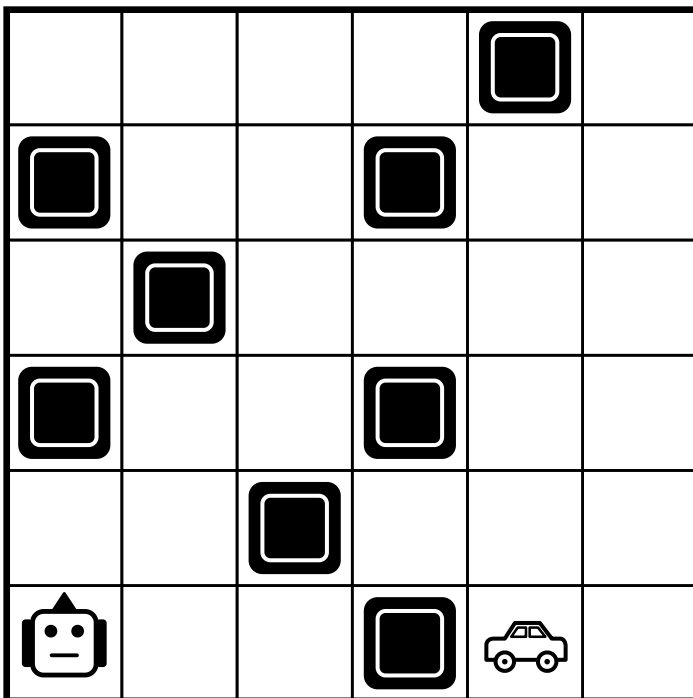
Draw arrows in the boxes. Pick up the apple, then stop on the picture.



8

Write the Program

Use the fewest cards. A number on a card moves the robot that many squares. Stop on the picture.



Cards:

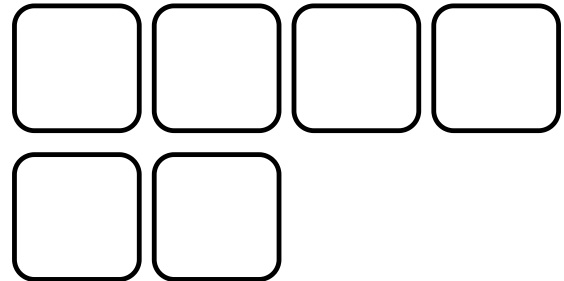
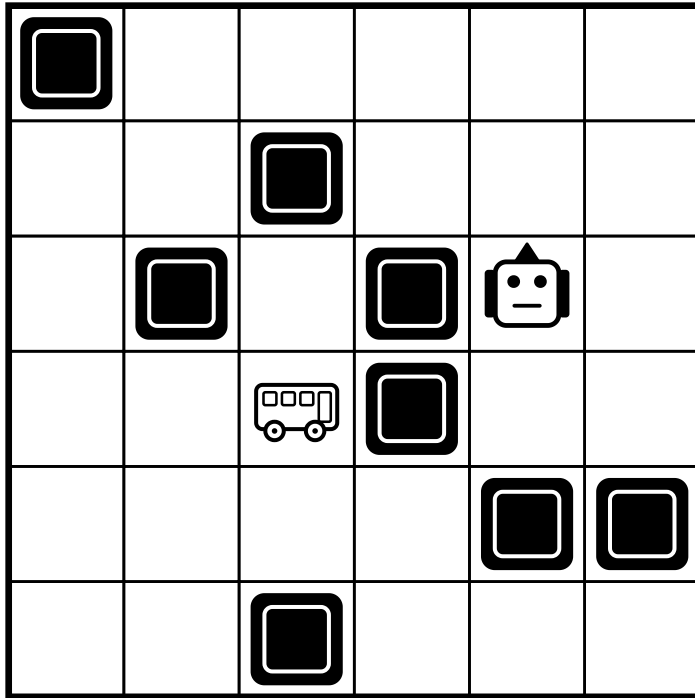




9

Write the Program

Use the fewest cards. A number on a card moves the robot that many squares. Stop on the picture.



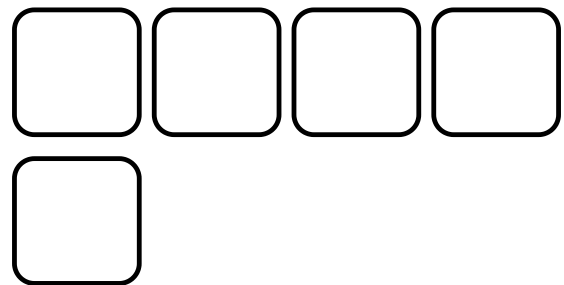
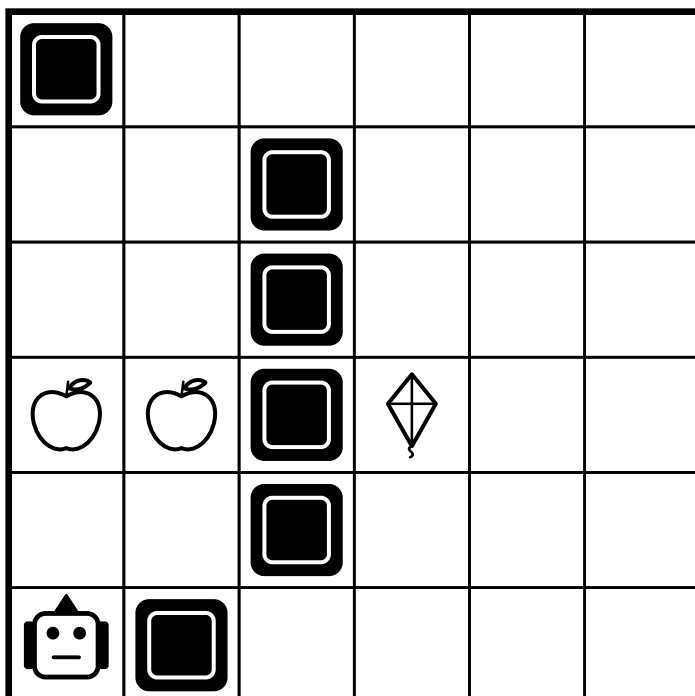
Cards:



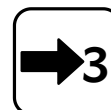
10

Write the Program

Use the fewest cards. A number on a card moves the robot that many squares. Pick up every apple. Stop on the picture.



Cards:



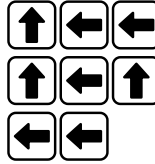
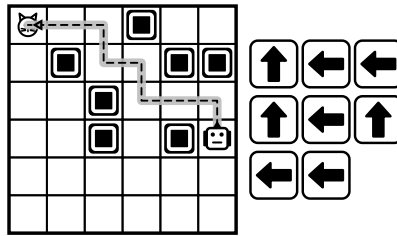
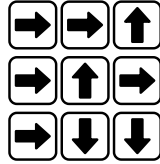
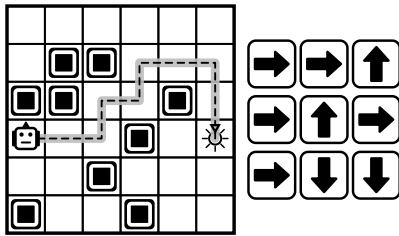


Answers

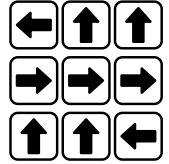
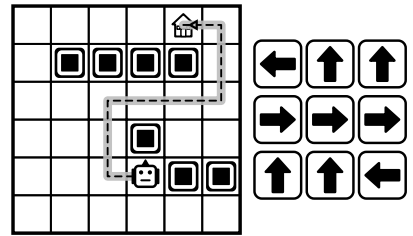
For grown-ups. Cut off or keep this page aside until the puzzles are done.

Learn · Write the Program

#1



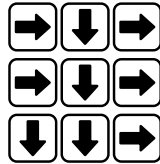
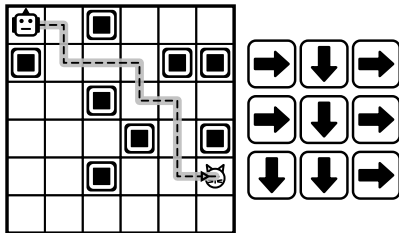
#2



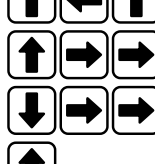
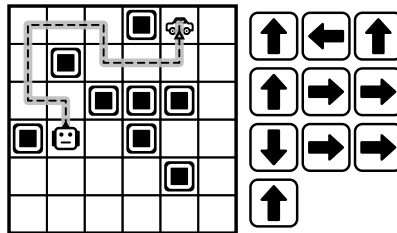
Up 1, left 2, up 1, left 1, up 1, left 2.

9 cards, drawn in the boxes. The rock blocks the short way.

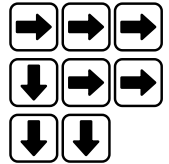
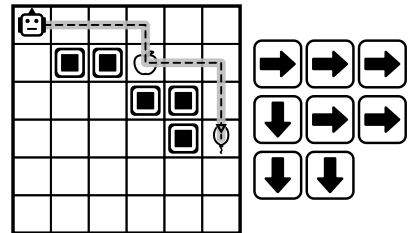
#3



#4



#5

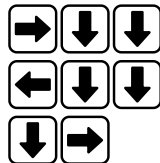
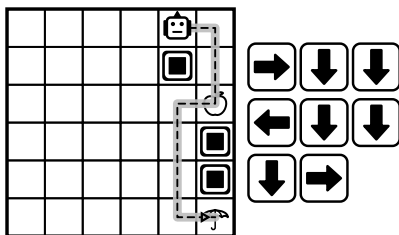


9 cards, drawn in the boxes. The rock blocks the short way.

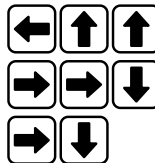
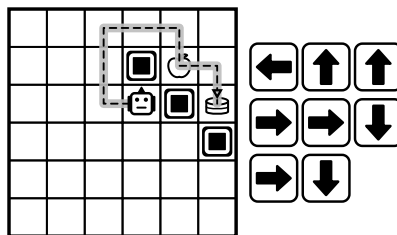
10 cards, drawn in the boxes. The rock blocks the short way.

Right 3, down 1, right 2, down 2. Get the apple first.

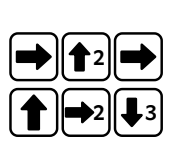
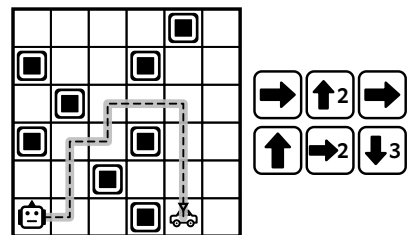
#6



#7



#8



Right 1, down 2, left 1, down 3, right 1. Get the apple first.

Left 1, up 2, right 2, down 1, right 1, down 1. Get the apple first.

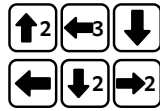
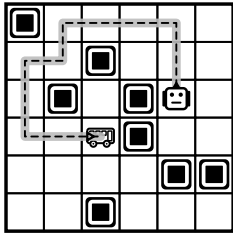
Right, up 2, right, up, right 2, then down 3. The rock blocks the short way.



Answers

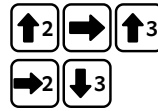
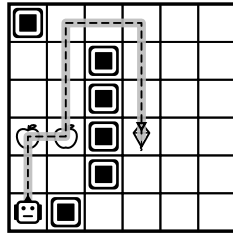
For grown-ups. Cut off or keep this page aside until the puzzles are done.

#9



Up 2, left 3, down, left, down 2, then right 2. The rock blocks the short way.

#10



Up 2, right, up 3, right 2, then down 3. Get the apples on the way.