



Activity 9



Test your line follower robot. Does it meet the basic requirements?

If your robot does not meet the basic requirements, go back and try to fix it. Then, write your results.

| S | Test | Result | |
|---|--|-----------------------------|------------------------------|
| T | Does the robot include: | | |
| R | A. two IR sensors | No <input type="checkbox"/> | Yes <input type="checkbox"/> |
| E | B. two motors | | |
| A | C. a control unit | | |
| M | Does the program set the ports for two IR sensors? | No <input type="checkbox"/> | Yes <input type="checkbox"/> |
| | Does the program set the ports for two motors? | No <input type="checkbox"/> | Yes <input type="checkbox"/> |
| | Does the program input data from the IR sensors? | No <input type="checkbox"/> | Yes <input type="checkbox"/> |
| | Does the program move the robot forwards when no line is detected? | No <input type="checkbox"/> | Yes <input type="checkbox"/> |

Did you answer **No** to any questions? If so, can you change your program to improve your test score?

Explain any changes that you made to your program.

Write your answer below.