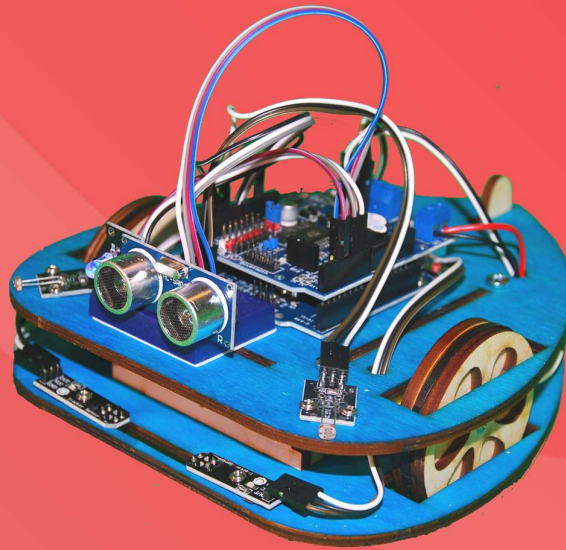


Leaphy Original

Solutions

Leaphy Easybloqs software



LEAPHY 
Robotica voor iedere leerling

SPOILER ALERT

Tried everything and nothing works?

When Leaphy keeps doing crazy things.
When the whole class is already one level further.
When you're getting a little discouraged.

Then there is this booklet with ready-made solutions.
Feel free to copy them, but also force yourself to understand the solution.
And if it works, experiment with it a bit. Just adjust the blocks. Add something. Take something away. In this way you'll work on a good basis for the next level.

Also check out the Leaphy forum for tips and tricks!
forum.leaphy.nl

Good luck and have fun!

The team of the Leaphy . Foundation

Robot design Leaphy Original: Olivier van Beekum, Vroukje van der Vliet & Hannah Kersbergen

Teaching material - concept and elaboration: Roeland Smith

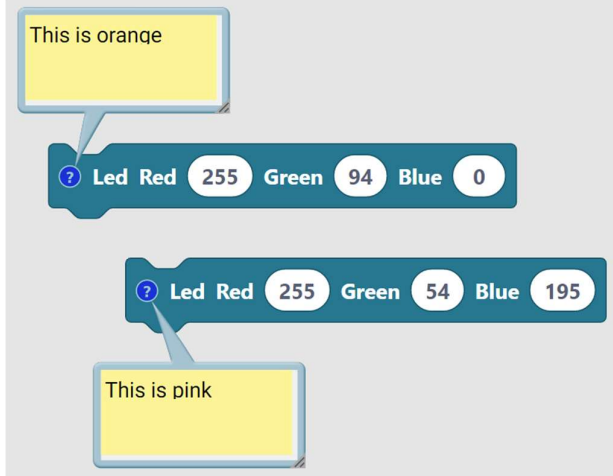
Translation: Nora van Wassenauer, Olivier van Beekum and Tracy Nkongolo

Sixth edition – March 2022 © Stichting Leaphy

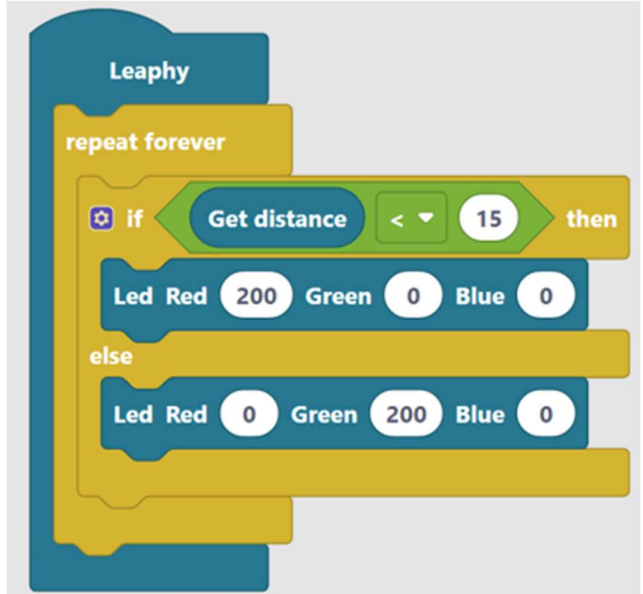
Level 2 – Shine & Drive - Solution

Level 2.2 – Light show

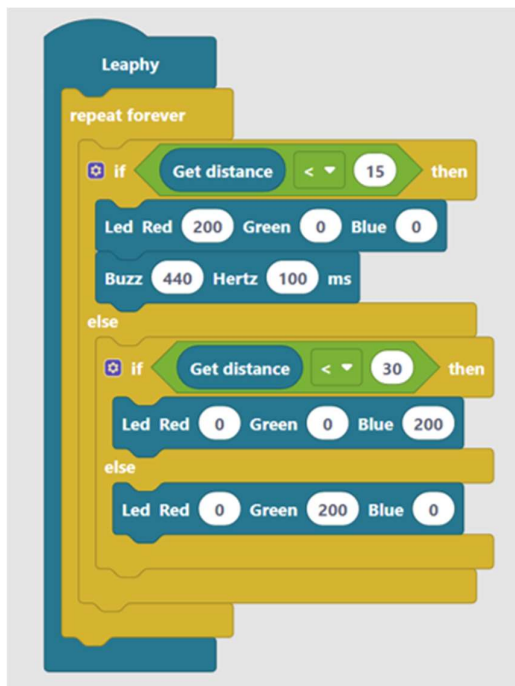
Examples of color codes you can use:



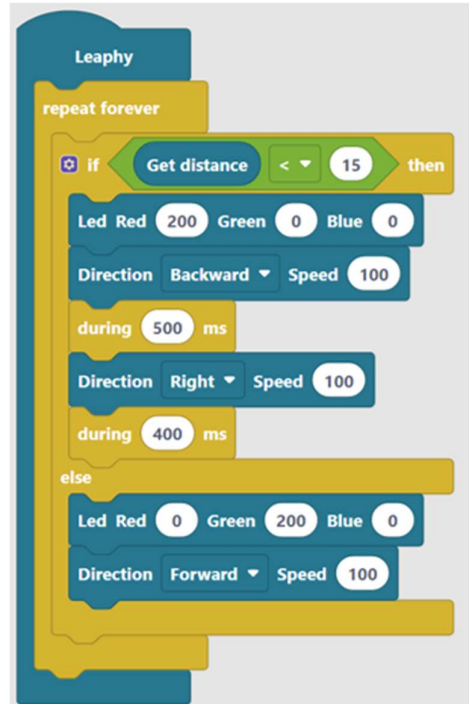
Level 2.4 - Led and distance sensor



Level 2.5 - Alarm in three steps

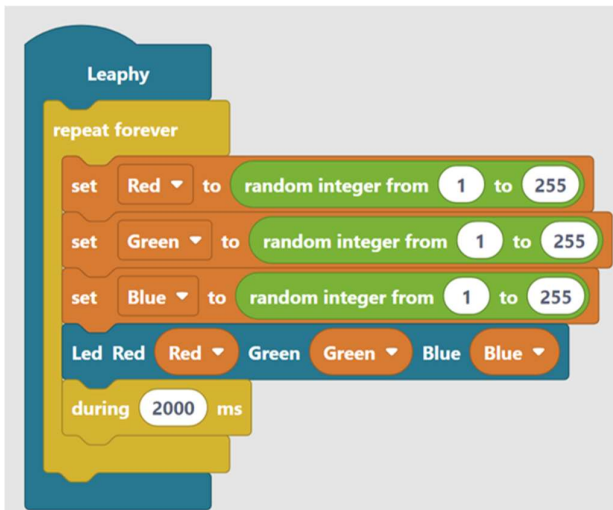


Level 2.7 & 2.8 - Reverse in danger and dodge

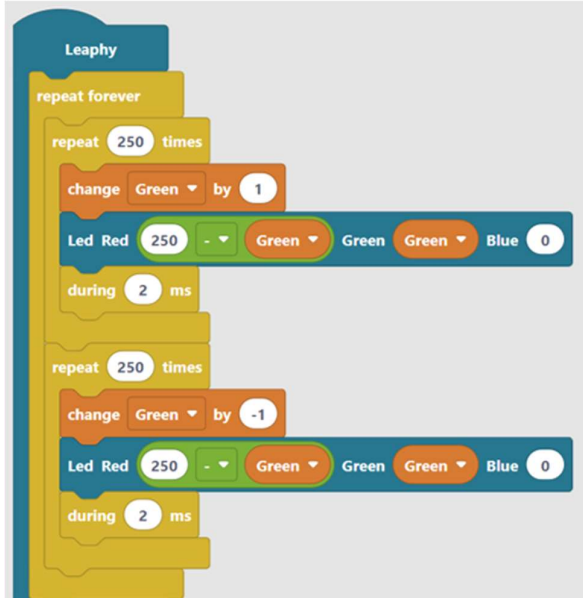


Level 3 – Robot with character - Solution

Level 3.1 & 3.2 – Random colors



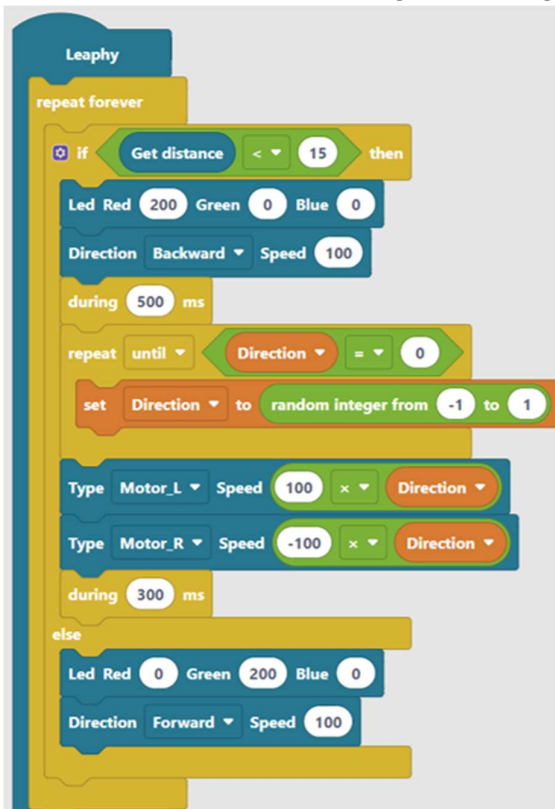
Level 3.3 - Color wave



Level 3.4 & 3.5 – Random riding and turning

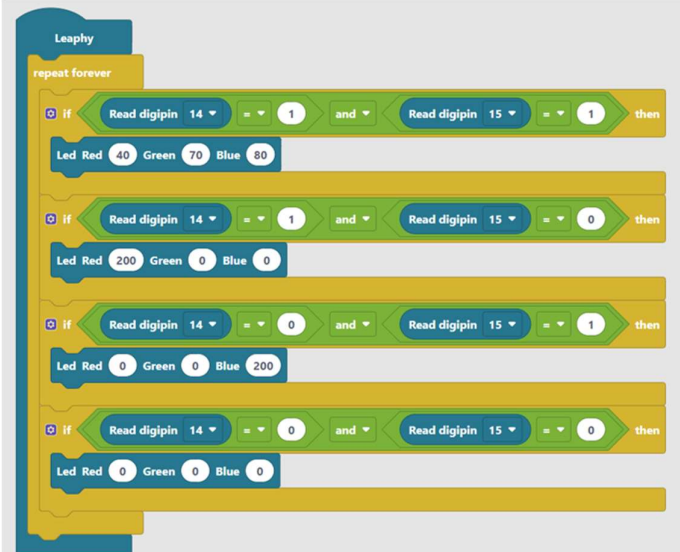


Level 3.6 & 3.7 – Random turning and waiting



Level 4 – Line followers - Solution

Level 4.9 – Four situations with led colors



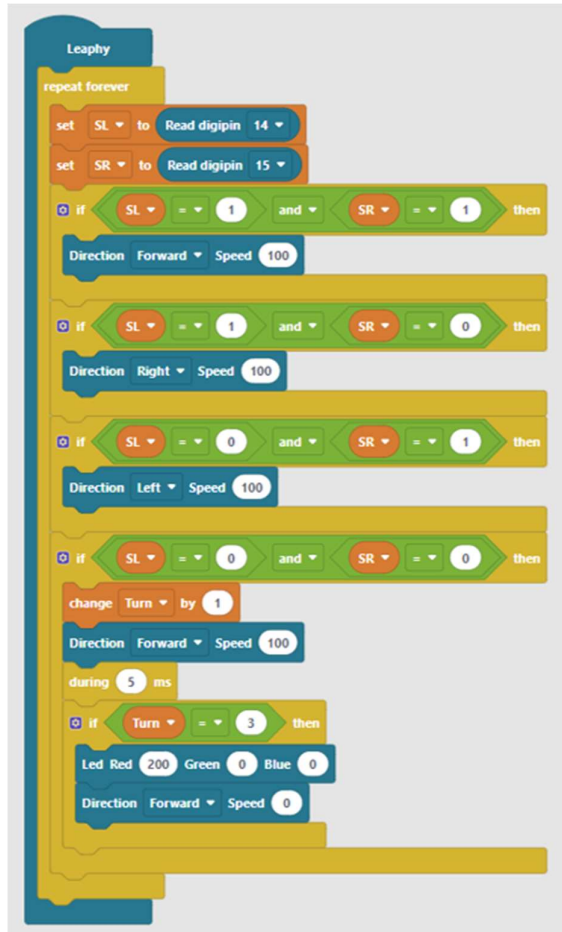
Level 4.10 – Follow the line 1 & 2

(With variables to keep blocks narrow.)



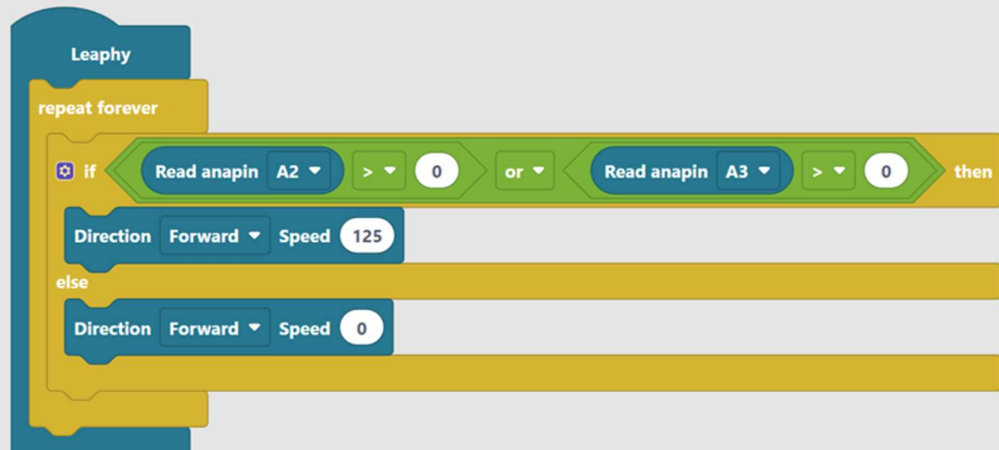
Level 4.10 - Follow the line 3

This program only works if you have a black crossline in your line. The fourth If-Then block counts the rounds when crossing this cross-line. The 5 milliseconds ensure that only 1 is added with each round and that Leaphy completely crosses the line. With this length of time you have to experiment a bit yourself to see what works best.

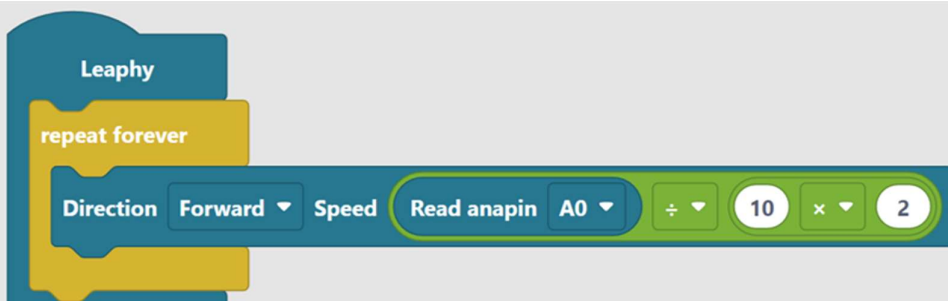


Level 5 – Light sensors - Solution

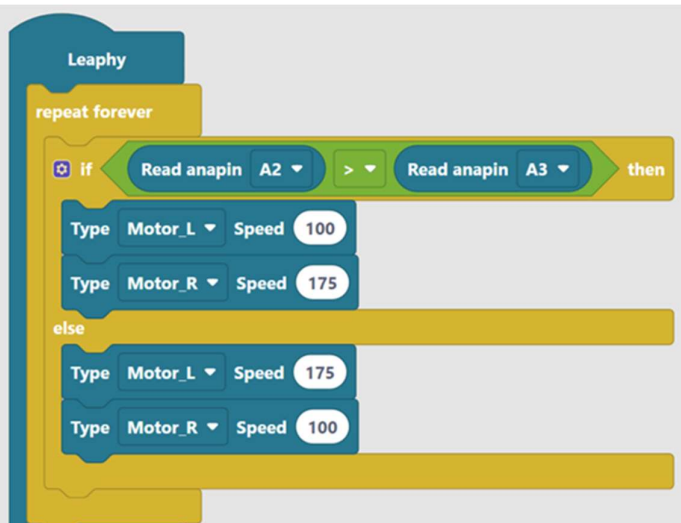
Level 5.6 – Leaphy light sensitive



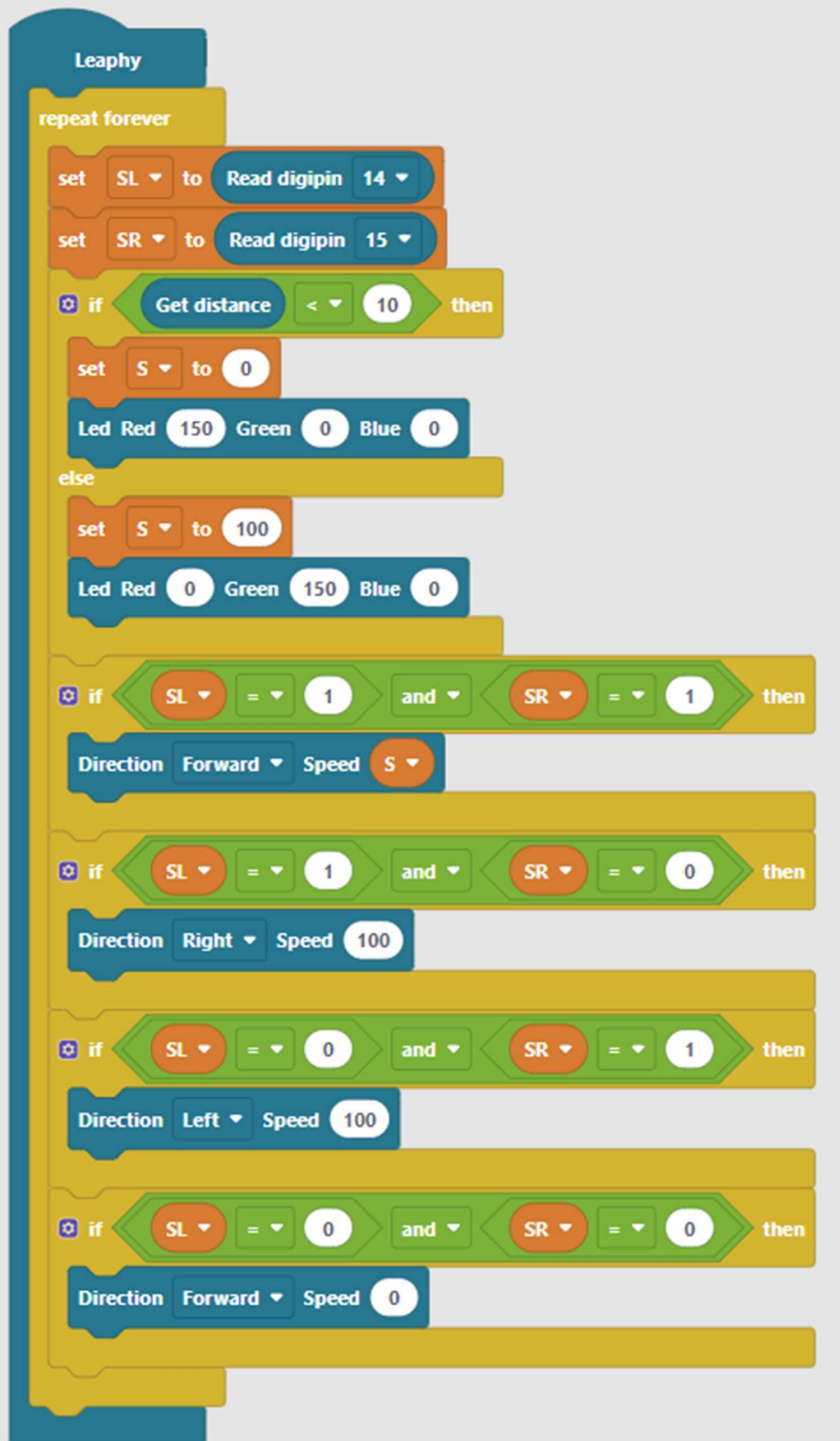
Level 5.7 – Light makes you faster



Level 5.8 – Light follower



Level 6 – Line train - Solution



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