

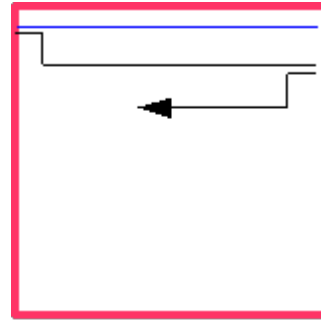
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Series 3: Touch sensor

Benötigte Roboter: NXT-Roboter mit Touch- oder Ultraschallsensor

1. Vacuum cleaner and cleaning robot

A robot with a touch sensor to move along a rectangular area that is bounded on two sides by walls, as if he would mow like a lawn mower. If he touches the boundary with the touch sensor, it runs a short distance back, rotates 90 ° left or right and moves forward a little, turns once more right or left and then runs straight ahead.



For the simulation you can need the template:

[Cleaner.java](#)

2. Cours

A robot with two Touchsensoren to go through a course

For the simulation you can use the background *parcours.gif* or *b2.gif* and templates [Parcours.java](#) (EV3Sim) [Parcours.java](#) (NXTSim).



3. Create background

Create for the simulation mode, some backgrounds for a course(see [Create obstacles](#)). Achte darauf, dass die Bilder einen transparenten Hintergrund haben müssen.

Speichere die Bilder im Unterverzeichnis

`<userHome>/gamegrid/sprites` und löse die selbstgestellten Aufgaben.