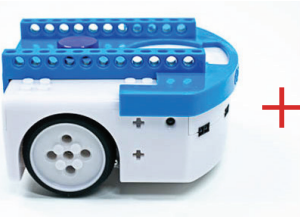




Let's make a Thymio bowling ball to knock down the pins.

Step 1: Prepare the things below and open Scratch or VPL3.



+



+



LEGO or toy pins

+



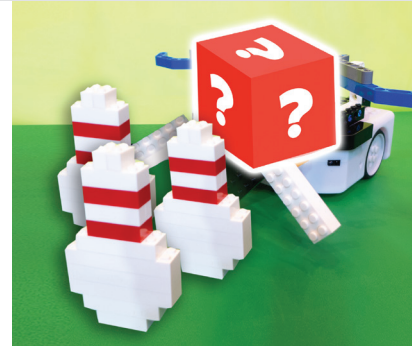
or



remote control

Step 2: Make a strong Thymio and an original program to help Thymio knock down all the pins.

1. Build and set up 3 pins using LEGO or plastic toy pins.
2. Use LinkVest and LEGO to help Thymio knock down the pins easily.
3. Make a program with Scratch or VPL3 to try to knock down all the pins after pushing a button on Thymio.
4. If you can knock down 3 pins, add more pins. Can you knock down 10 pins?

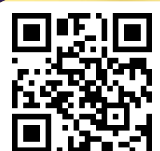


Hints

- ✓ You can use the sensors on Thymio to look for pins and knock them down.
- ✓ You can make a program with timers that repeats the same moves each time (like Thymio Darts).
- ✓ Try to make a bulldozer Thymio to smash the pins.
- ✓ Or try to make a long arm that knocks down pins when Thymio spins.



Step 4: Share pictures and videos of your mission!





Solution ideas for Thymio Bowling

Step 1: Watch the video below for some ideas on how to complete this mission.



Step 2: Here is one program solution using VPL3, but can you make it better?

		→				
		→				
		→				
		→				
		→				

Arrange the pins in fun ways!



Step 4: Share pictures and videos of your mission!



Share your work!

