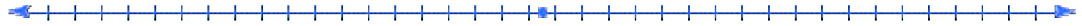


LEGO ROBOTICS DAY CAMP



Can Do Shopping

This kind of diagram is called a Warnier-Orr Diagram. It can be a good tool for thinking out loud, getting more and more detailed as you go to the right.

Start on black

Beginning-

Look for Light { Turn on one motor
Wait for light
Stop

Look for Dark { Turn on other motor
Wait for dark
Stop

Check for touch (structure) { If yes { dance { turn in place left 1 sec
turn in place rt 1 sec
look for dark { turn on motor
wait for dark
stop
loop to beginning
If no, loop to beginning

Ending

If you go from beginning to ending 2 times, you have a good chance of successfully completing the Can Do Shopping challenge.

The dance is optional. It increases the risk of getting lost – why?

Use Jump and Land to make loops (structures palette).

Will this program work if you do not start on black? Guess and test it!