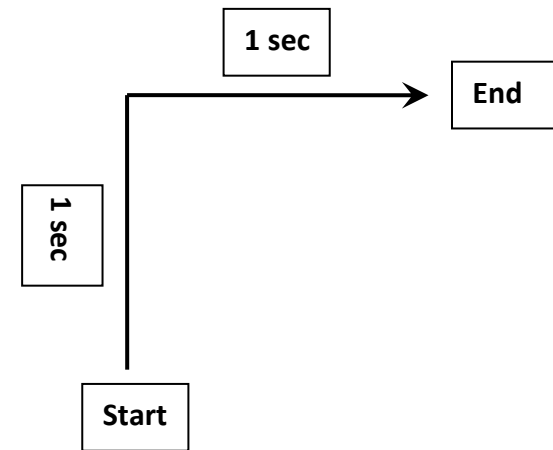


What is an algorithm?

- **An algorithm is a sequence of executable steps that describes in detail how to accomplish a task.**
- Examples:
 - 1) driving direction;
 - 2) cooking recipe
- Algorithms are usually written in human language (English, etc.), but can be written in any other language (math expression, symbolic code, flowchart, etc.)

A Sample Algorithm Showing How A Robot Follows An L Path (See The Following Figure).

- 1) Drive in forward direction.
- 2) Wait for 1 second.
- 3) Turn right 90°.
- 4) Drive in forward direction.
- 5) Wait for 1 second.
- 6) Stop.



An algorithm is written for human and should be clear enough for human to understand.

What is a program?

- A program is an algorithm that tells the computer how to solve a problem step by step.
- It is written in computer language (VEXcode VR, Robolab, C++, etc.) and must be clear enough for the computer to understand.

The corresponding VEXcode VR program for the sample algorithm above is as follows:

