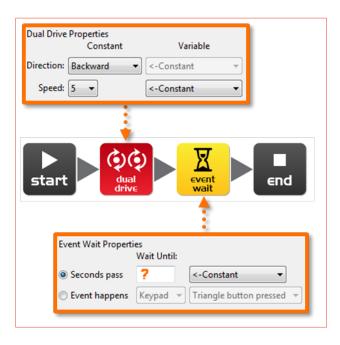# CoderDojo

1 Write the following program to drive the Edison robot forward. Use the Start/Finish Activity sheet as start and stop markers.
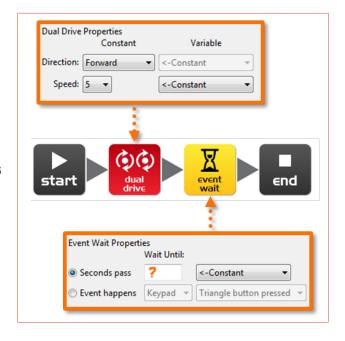In the Event Wait properties, set the 'Seconds pass' to an amount of time in seconds to have the robot start from behind the Start line and finish just before the Finish line.
Try different amounts of time until your robot drives forward and stops just before the finish line

Q.   What happened?

2 What is the correct amount of time to get your robot from the start line to the finish line?

3 Describe what the robot is doing and why?

Dual Drive Properties
	Constant	Variable
Direction:	Forward	<-Constant
Speed:	5	<-Constant

start ▶ dual drive ⟳ event wait ⧗ end ■

Event Wait Properties
Wait Until:
- ⦿ Seconds pass   **?**   <-Constant
- ○ Event happens   Keypad   Triangle button pressed

Dual Drive Properties
	Constant	Variable
Direction:	Backward	<-Constant
Speed:	5	<-Constant

start ▶ dual drive ⟳ event wait ⧗ end ■

Event Wait Properties
Wait Until:
- ⦿ Seconds pass   **?**   <-Constant
- ○ Event happens   Keypad   Triangle button pressed

4 Write the following program to drive the Edison robot backward. Does it look familiar? Use the Start/Finish Activity sheet as start and stop markers.
Once again, modify the 'Seconds pass' property to an amount of time in seconds to have the robot start from behind the Start line and finish just before the Finish line.
Try different amounts of time until your robot drives backwards and stops just before the finish line.

Q.   What happened?

5 What is the correct amount of time to get your robot from the start line to the finish line?

6 Is this time different from the time it took when going forward in step 2?

7 Describe what the robot is doing and why?