

CS151L Fall 2013

Week 1: Netlogo Command Cheat Sheet

Command	Command Description
to <name>	Statement used to name and start a procedure Example: <i>to setup</i>
end	Statement used to end a procedure
clear-all	Deletes all turtles and resets all patches to default values
create-turtles #	Creates the specified number of turtles at origin and gives a random heading to each turtle Example: <i>create-turtles 1</i>
ask turtles [.....]	Asks the turtles to perform the instructions (commands) given in square brackets. Each turtle performs the instructions one at a time. Example: <i>ask turtles</i> <i>[forward 1]</i>
forward #	Tells an agent to move forward a number of patches Example: <i>forward 1</i>
back #	Tells an agent to move back a number of patches Example: <i>back 1</i>
pen-down	Tells an agent to put its pen down draw a trail
pen-up	Tells an agent to pick up its pen and stop drawing a trail
setxy # #	Move the turtle to the x-coordinate and y-coordinate given Example: <i>setxy 10 20</i>
set heading #	Sets heading or direction that the agent faces in degrees relative to the Netlogo coordinate system Example: <i>set heading 90</i>
right #	Asks the turtle to turn right a certain number of degrees relative to the direction the turtle is facing Example: <i>right 90</i>
left #	Asks the turtle to turn left a certain number of degrees relative to the direction the turtle is facing Example: <i>left 90</i>