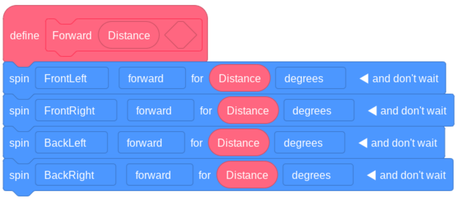
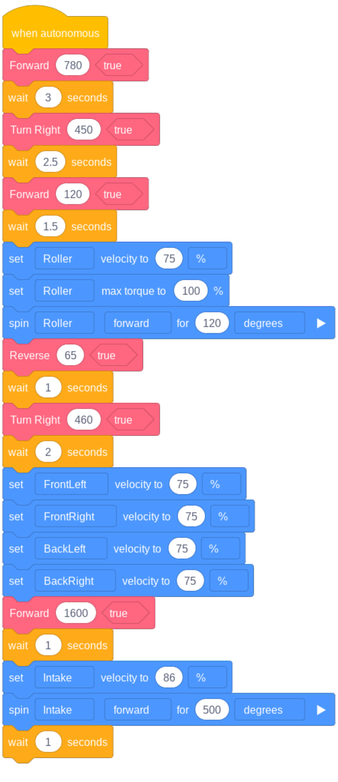
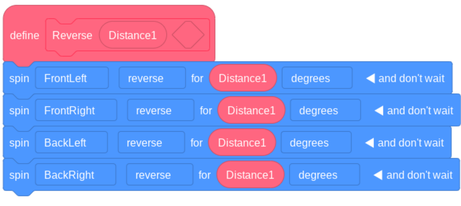
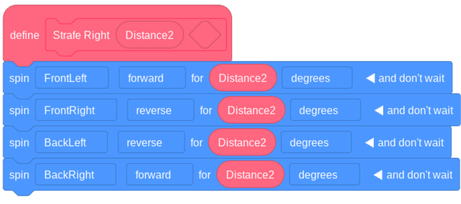
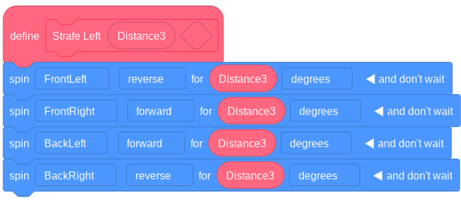
when driver control
spin FrontLeft forward
spin FrontRight forward
spin BackLeft forward
spin BackRight forward
forever
if SlowDownToggle = 1 then
set FrontLeft velocity to Controller1 3 position + Controller1 1 position + Controller1 4 position / 3 %
set FrontRight velocity to Controller1 3 position - Controller1 1 position - Controller1 4 position / 3 %
set BackLeft velocity to Controller1 3 position + Controller1 1 position - Controller1 4 position / 3 %
set BackRight velocity to Controller1 3 position - Controller1 1 position + Controller1 4 position / 3 %
else
set FrontLeft velocity to Controller1 3 position + Controller1 1 position + Controller1 4 position / 1 %
set FrontRight velocity to Controller1 3 position - Controller1 1 position - Controller1 4 position / 1 %
set BackLeft velocity to Controller1 3 position + Controller1 1 position - Controller1 4 position / 1 %
set BackRight velocity to Controller1 3 position - Controller1 1 position + Controller1 4 position / 1 %
if Controller1 R1 pressed? then
set Roller velocity to 75 %
spin Roller forward
else
if Controller1 R2 pressed? then
set Roller velocity to 75 %
spin Roller reverse
else
wait 0.1 seconds
stop Roller
if Controller1 L1 pressed? then
set Intake velocity to 75 %
spin Intake forward
else
if Controller1 L2 pressed? then
set Intake velocity to 75 %
spin Intake reverse
else
wait 0.1 seconds
stop Intake

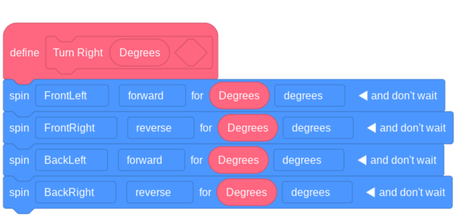

define Forward Distance
spin FrontLeft forward for Distance degrees ◀ and don't wait
spin FrontRight forward for Distance degrees ◀ and don't wait
spin BackLeft forward for Distance degrees ◀ and don't wait
spin BackRight forward for Distance degrees ◀ and don't wait

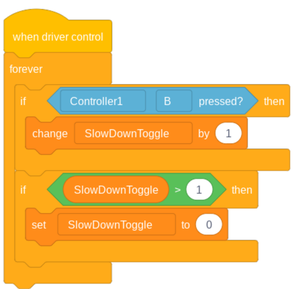

when autonomous
Forward 780 true
wait 3 seconds
Turn Right 450 true
wait 2.5 seconds
Forward 120 true
wait 1.5 seconds
set Roller velocity to 75 %
set Roller max torque to 100 %
spin Roller forward for 120 degrees ▶
Reverse 65 true
wait 1 seconds
Turn Right 460 true
wait 2 seconds
set FrontLeft velocity to 75 %
set FrontRight velocity to 75 %
set BackLeft velocity to 75 %
set BackRight velocity to 75 %
Forward 1600 true
wait 1 seconds
set Intake velocity to 86 %
spin Intake forward for 500 degrees ▶
wait 1 seconds

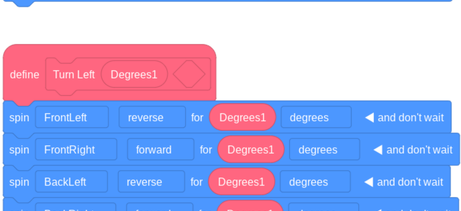

define Reverse Distance1
spin FrontLeft reverse for Distance1 degrees ◀ and don't wait
spin FrontRight reverse for Distance1 degrees ◀ and don't wait
spin BackLeft reverse for Distance1 degrees ◀ and don't wait
spin BackRight reverse for Distance1 degrees ◀ and don't wait


define Strafe Right Distance2
spin FrontLeft forward for Distance2 degrees ◀ and don't wait
spin FrontRight reverse for Distance2 degrees ◀ and don't wait
spin BackLeft reverse for Distance2 degrees ◀ and don't wait
spin BackRight forward for Distance2 degrees ◀ and don't wait


define Strafe Left Distance3
spin FrontLeft reverse for Distance3 degrees ◀ and don't wait
spin FrontRight forward for Distance3 degrees ◀ and don't wait
spin BackLeft forward for Distance3 degrees ◀ and don't wait
spin BackRight reverse for Distance3 degrees ◀ and don't wait


define Turn Right Degrees
spin FrontLeft forward for Degrees degrees ◀ and don't wait
spin FrontRight reverse for Degrees degrees ◀ and don't wait
spin BackLeft forward for Degrees degrees ◀ and don't wait
spin BackRight reverse for Degrees degrees ◀ and don't wait


when driver control
forever
if Controller1 B pressed? then
change SlowDownToggle by 1
if SlowDownToggle > 1 then
set SlowDownToggle to 0


define Turn Left Degrees1
spin FrontLeft reverse for Degrees1 degrees ◀ and don't wait
spin FrontRight forward for Degrees1 degrees ◀ and don't wait
spin BackLeft reverse for Degrees1 degrees ◀ and don't wait
spin BackRight forward for Degrees1 degrees ◀ and don't wait