Final Project Pseudo

**Escape**

Escape

WHILE ( Finch != Home)

IF ( SENS\_L == TRIGGERED)

LEFT WHEEL SPEED == 100;

RIGHT WHEEL SPEED == 50;

BEAK COLOR == GREEN;

NOISE == ON;

ELIF (SENS\_R == TRIGGERED)

LEFT WHEEL SPEED == 50;

RIGHT WHEEL SPEED == 100;

BEAK COLOR == RED;

NOISE == ON;

ELSE (

BEHAVIOR == DRIVE MODE;

)

ENDWHILE

**CRUISE**

‘CRUISE’

BEGIN WHILE (

IF ( Beak\_Sensor.input == none)

Left\_Wheel && Right\_Wheel == 50;

ELIF ( LW\_Sensor.input == none )

Left\_Wheel && Right\_Wheel == 50;

ELIF ( RW\_Sensor == none)

Left\_Wheel && Right\_Wheel == 50;

ELIF ( Tail\_Sensor == none)

Left\_Wheel && Right\_Wheel == 50;

ELSE(

Beak\_Sensor.input() || LW\_Sensor.input() || RW\_Sensor.input() || Tail\_Sensor.input() != none;

ENDWHILE

END ‘CRUISE’

BEGIN ‘ESCAPE’

**HOME**

BEGIN WHILE

WHILE ( Finch == Home)

Read.PowerStatus(inputs)

INITIATE ALL

IF (inputs == active)

LEAVE Docking station

START noise

ENTER CRUISE

ENDWHILE

WHILE ( Finch != Home)

RETURN Finch

IF (Finch == Home)

Read.PowerStatus(inputs)

DISABLE ALL