

SAFE PROGRAM

1. The play light blinks until the play button is pressed.
2. The robot starts driving forward. If it is picked up it stops. If it is set down again, it starts driving again.
3. If the right bumper is pressed, the robot spins in place to the right.
4. If the left bumper is pressed, the robot spins in place to the left.
5. If both bumpers are pressed, the robot drives backwards until the bumpers aren't pressed anymore.
6. If the robot "sees" a cliff with any of its sensors it stops driving.

WALL FOLLOWING PROGRAM

1. The play light blinks until the play button is pressed.
2. When the play button is pressed, the robot begins driving forward.
3. The robot drives straight forward until something hits its bumpers.
4. Then the robot starts following the wall (either direction) using its bump sensors.

LINE FOLLOWING PROGRAM

1. The play light blinks until the play button is pressed.
2. When the play button is pressed, the robot begins driving forward.
3. The robot follows the yellow line on the table using the cliff sensors (range values) and the display.