

Partner Names: _____

Date: _____

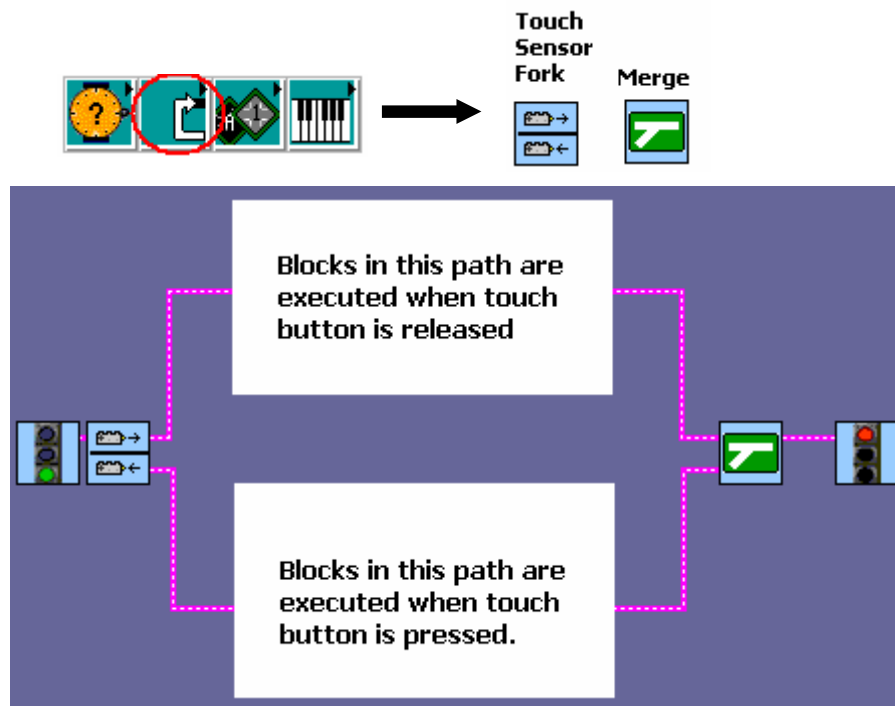
Design Blinker for your CAR (Modifications)

Forks - Decision Making

Forks are used to make decisions. When a fork is reached, one of two paths must be taken. Fork commands start with a Fork and must end with a Merge command.

The FORK command tests one condition and then decides to do one of two possible outcomes. This is like turning left or right at a fork on the road. In RoboLAB programming, forks split the decision of the program and Merge commands tie it back together. Each fork command needs a merge command.

Forks are found in the Structures menu. In Inventor Level 3, there are only 2 forks available - the touch sensor fork and the light sensor fork.



Lab Objective 1:

- Use inventor level 3 program for this task
- In actual cars, the blinker does not work until the driver presses the indicator lever. The blinker system should be modified to only turn on when the touch button is pressed and turn off otherwise. The program **MUST** keep running continuously. Think what you can use to do this.
- Just like in actual cars, the blinker should also give beep sound with every ON/OFF.