



Logic

Code is written to be as modular as possible, with nearly every process being a method call; each call starts and ends at specific states to allow the logic or behavior of given methods to be changed completely, so long as they still start and end in the same state.

First the robot waits for the light, then it drives up the ramp and flips the lever so that the ice cream timer is running while it does other tasks. Then it drops the tray in the sink and flips the burger before flipping the ice cream lever back up. It then does the ticket slider since it has easier access on the upper level. Then it returns to the lower level to do the only remaining task: the jukebox. Then the robot ends the run by pushing the final button.

