Our robot has access to three colour sensors: green, yellow and brown. These sensors will return the Boolean value TRUE if their assigned colour is detected and FALSE otherwise. We can use the information that we receive from the robot's colour sensors to determine the correct action to perform for each new banana.

Get Banana Green

Get Banana Yellow

Get Banana Brown

Pull Lever END

Pull Lever

The Pull Lever action block instructs the robot to pull the lever in front of it, changing the direction of the roller conveyor. Unlike previous action blocks, this one includes a boolean input.

Input is TRUE: If the conveyor is moving towards the green crate, the robot will pull the lever to switch the direction towards the red crate. Otherwise, it will do nothing.

Input is FALSE: If the conveyor is moving towards the red crate, the robot will pull the lever to switch the direction towards the green crate. Otherwise, it will do nothing.

Bascially, an input of TRUE will always result in the conveyor moving towards the red crate, and an input of FALSE will always result in the conveyor moving towards the green crate.