**05-Apr-22**

We tried to use the Morobot with the ESP32, but couldn’t manage to get it to work. Then with Arduino Uno we tried the push buttons as a “green” or “red” fruits. The logic itself “works”. I had a bit of trouble with the IDE itself at first.

-Marko & Laura

**06-May-22**

The color detection code had a minor flaw which we struggled with for a while. I (Laura) attached a ramp to our cardboard structure. Marko changed the code and morobot’s speed and now the system works like a dream. It can detect red and green balls and the robot moves accordingly. The robot moves pretty fast and by adjusting the ramp we can control the speed that the ball moves. The delay is at best around 1 second from where the camera detects the color to when the robot moves. Other problem is that the camera program detects colors, especially red, a little too well (it says our noses and lips are ripe). But that’s fine if we use a solid black or white background.

We attached a video to this folder.