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/**
 * @file autoTest.c
 * @brief autonomous mode for testing
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 *
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 */

#include "../include/auto.h"

void autonTest() {
    getMogo();
    placeCone();

    turnTo(-6, 700);
    driveToPosition(1450, 1750, 1600);
    turnTo(-65, 1300);
    driveToPosition(drivePos(0) - 600, drivePos(1) - 200, 1200);
    liftToPosition(LIFT_QUARTER, 750);

    for (size_t i = 1; i < 13; i++) {
        // 4bar out
        manipToPosition(MANIP_HOVER, 1200);
        manip.power = 14;

        // set intake to in
        intake.power = 127;
        update();

        // drop lift to match load height
        liftToPosition(LIFT_LOAD, 300 + 50 * i);

        // wait to pick up the cone, then set to a hold power
        delay(250);
        intake.power = 25;
    }
}

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        update();

        //Bring the lift up to the stacking height
        liftToPosition(LIFT_DOWN + i * LIFT_CONE, 350 + i * 375);

        // 4bar to stacking position
        manipToPosition(MANIP_PLACE, 1200);
        update();

        delay(300);

        // outtake
        intake.power = -127;
        manip.power = -5;
        update();
        delay(500);

        // lift back up a bit
        liftToPosition(LIFT_DOWN + 250 + i * LIFT_CONE, 250);
    }

    intake.power = 0;
} /* autonLeftRed12 */

```