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

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

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

        turnTo(-6, 700);
        driveToPosition(1450, 1750, 1600);
        turnTo(-73, 1300);
        driveToPosition(drivePos(0) - 600, drivePos(1) - 200, 1200);
        liftToPosition(LIFT_QUARTER, 750);

        for (size_t i = 1; i < 11; i++) {
                // 4bar out
                manipToPosition(MANIP_HOVER, 1200);
                manip.power = 10;

                // 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(400);
                intake.power = 25;
```

```
                update();

                //Bring the lift up to the stacking height
                liftToPosition(LIFT_DOWN + i * LIFT_CONE, i * 325);

                // 4bar to stacking position
                manipToPosition(MANIP_PLACE - i * 7, 1200 + i * 30);
                update();

                delay(300);
                manip.power = -10;
                update();
                delay(150);

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

                // lift back up a bit
                liftToPosition(LIFT_DOWN + 260 + i * LIFT_CONE, 250);
                delay(350);
        }

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