```
/**
 * Ofile autoStack.c
 * Obrief Drive forward and stack cones from the loader
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#include "../include/auto.h"
void updateLinesDrive();
void autonStack() {
        update();
        driveSet(35, 35);
        int angle;
        Mutex m = angleFromUpcomingLine(&angle, NULL, 5000);
        mutexTakeDelete(m, -1);
        angle = -angle;
        #ifdef DEBUG_MODE
                printf("\n\n'\n', angle);
        #endif
        sensorRefresh(&gyro);
        #ifdef DEBUG_MODE
                printf("\n\n\r%d\n\n", gyro.averageVal);
        #endif
        gyro.zero = angle;
        gyro.child->zero = angle;
        sensorRefresh(&gyro);
        #ifdef DEBUG_MODE
                printf("\n\n\r\d\n\n", gyro.averageVal);
        #endif
```

```
turnTo(90, 3500);
        #ifdef DEBUG_MODE
                print("\n\n\rturned and stuff\n\n");
        #endif
        driveSet(25, 25);
        while (gline(0) + gline(1) + gline(2)) {
                updateLinesDrive();
                delay(10);
        }
        intake.power = 50;
        motorUpdate(&intake);
        liftSettings.target = ARM_3_QUARTER;
        TaskHandle delet = GO(liftPID, NULL);
        driveToPositionAngle(drivePos(0) + 350, drivePos(1) + 350, 90, 1600);
        taskDelete(delet);
        liftToPosition(ARM_3_QUARTER, 750);
        #ifdef DEBUG_MODE
                print("\n\nready to stack\n\n");
        #endif
        for (int i = 0; i < 5; i++) {
                intake.power = -75;
                update();
                delay(500);
                intake.power = -30;
                update();
                liftToPosition(ARM_QUARTER / 2 + (ARM_QUARTER * .25 * i), 3000);
                intake.power = 127;
                update();
                delay(400);
                intake.power = 10;
                update();
                liftToPosition(ARM_3_QUARTER, 3000);
} /* autonLeftRed12 */
```

driveToPositionAngle(drivePos(0) - 300, drivePos(1) - 300, 0, 2000);