```
// RED SIDE, WE WANT 19 PT SWING
double redAuton[] = {
    180,                                    // START FACING 180

    INTAKE_ON,                              // TURN INTAKE ON

    DRIVE,50,180,DISTANCE,0.1,0.125,        // DRIVE WITHIN EXPANSION ZONE

    WRISTSEEK,-1000,                        // DEPLOY FLIPPER
    PAUSE,1.5,                              // WAIT FOR DEPLOY TO HAPPEN
    FLIP,                                   // FLIP THE FLIPPER SO IT
     DOESN'T DRIFT
    WRISTSEEK,WRIST_FORWARD_POS,            // LOWER THE WRIST
    PAUSE,0.5,                              // DEPLOY DONE
    PAUSE,GOTBALLS,5,                       // WAIT UNTIL CAUGHT BALL FROM
     OTHER BOT

    DRIVE,-70,180,DISTANCE,0.6,1,           // DRIVE TO LINE UP FOR CAP
    TURN,135,1,                             // AIM AT CAP
    TURN,135,2,                             // AIM AT CAP

    DRIVE,-70,135,DISTANCE,0.75,2,          // DRIVE TO CAP 1
    WRISTSEEK,WRIST_VERTICAL_POS,           // PICK IT UP
    PAUSE,0.5,                              // TIME TO PICK UP

    DRIVE,70,135,WHITE_R,2,                 // DRIVE TILL RIGHT SENSOR IS
     OVER START TILE
    TURN,180,2,                             // TURN FOR NEXT DRIVE
    DRIVE,70,180,BLACK_R,2,                 // DRIVE UNTIL OFF START TILE
    DRIVE,-90,180,DISTANCE,0.075,1,         // DRIVE TO LINE UP
    TURN,90,2,                              // TURN TO LINE UP

    DRIVE,-127,90,0.1,                      // DRIVE AWAY FROM POLE
    TURN,90,2,                              // TURN TO LINE UP
    DRIVE,127,90,0.1,                       // DRIVE BACK TO WALL

    DRIVE,100,90,DISTANCE,0.4,0.5,          // DRIVE TO WALL

    STACK_HIGH,                             // STACK CAP 1
    PAUSE,STACKED,10,                       // WAIT TILL STACKED

    START_COAST,                            // START FLYWHEEL SPIN-UP

    DRIVE,-127,90,DISTANCE,0.5,2,           // DRIVE AWAY FROM WALL

    TURN,45,2,                              // TURN READY TO DRIVE - 245
    DRIVE,127,45,DISTANCE,0.3,2,            // DRIVE TO LINE UP

    TURN,0,2,                               // TURN TOWARDS FLAGS
    TURN_AIM,BLUE_FLAG,LEFT,2,              // AIM AT LEFT-MOST BLUE FLAG

    DRIVE,127,CDIR,DISTANCE,0.6,2,          // DRIVE TO TOP FLAG DIST
    FIRE_AIM,TOP,                           // SHOOT TOP FLAG
    PAUSE,FIRED,5,                          // WAIT TILL SHOT
    PAUSE,0.5,                              // SHORT PAUSE
    STOP_FIRE,                              // STOP FLYWHEEL

    DRIVE,127,CDIR,DISTANCE,0.7,2,          // DRIVE TO MIDDLE FLAG DIST
    FIRE_AIM,MIDDLE,                        // SHOOT MIDDLE FLAG
    PAUSE,FIRED,5,                          // WAIT TILL SHOT
    PAUSE,0.5,                              // SHORT PAUSE
    STOP_FIRE,                              // STOP FLYWHEEL

    STOP_COAST,                             // TURN FLYWHEEL FULLY OFF

    INTAKE_OFF,                             // TURN INTAKE OFF

    DRIVE,70,0,1,                           // DRIVE TO TOGGLE BOTTOM FLAG
    PAUSE,0.25,                             // SHORT PAUSE

    TURN,30,1,                              // TURN STRAIGHT
    TURN,0,1,                               // TURN STRAIGHT

    INTAKE_ON,                              // TURN INTAKE ON

    DRIVE,-127,0,DISTANCE,0.5,2,            // DRIVE AWAY A LITTLE

    DRIVE,-127,0,WHITE_L,4,                 // DRIVE TO START TILE
    DRIVE,-127,0,DISTANCE,0.5,1,            // DRIVE TO LINE UP

    TURN,270,2,                             // TURN FOR NEXT MOVE
    TURN,265,2,                             // TURN FOR NEXT MOVE
    DRIVE,127,270,DISTANCE,1.75,2,          // DRIVE TO GET BALL FROM
     UNDER CAP

    DRIVE,-127,270,DISTANCE,0.65,2,         // DRIVE AWAY FROM CAP

    TURN,345,2,                             // TURN TOWARDS CENTER FLAGS
    TURN_AIM,BLUE_FLAG,CENTER,2,            // AIM AT CENTER-MOST BLUE
     FLAG
    DRIVE,127,CDIR,DISTANCE,0.75,2,         // DRIVE TO TOP FLAG DIST

    START_COAST,                            // START FLYWHEEL SPINUP

    PAUSE,UNTIL,35,                         // WAIT TILL LAST 10 SECONDS

    IF, GOTBALL,                            // ONLY SHOOT IF GOT A BALL
        FIRE_AIM,TOP,                       // SHOOT TOP FLAG
        PAUSE,FIRED,5,                      // WAIT TILL SHOT
        PAUSE,0.25,                         // SHORT PAUSE
    ENDIF,                                  // END OF IF
```