<pre>// RED SIDE, WE WANT 19 PT SWING double redAuton[] = {</pre>	
180,	// START FACING 180
INTAKE_ON,	// TURN INTAKE ON
DRIVE,50,180,DISTANCE,0.1,0.125,	// DRIVE WITHIN EXPANSION ZONE
WRISTSEEK,-1000, PAUSE,1.5, FLIP, DOESN'T DRIFT WRISTSEEK,WRIST_FORWARD_POS, PAUSE,0.5, PAUSE,GOTBALLS,5,	<pre>// DEPLOY FLIPPER // WAIT FOR DEPLOY TO HAPPEN // FLIP THE FLIPPER SO IT // LOWER THE WRIST // DEPLOY DONE // WAIT UNTIL CAUGHT BALL FROM</pre>
OTHER BOT DRIVE, -70,180, DISTANCE, 0.6,1, TURN, 135,1, TURN, 135,2,	// DRIVE TO LINE UP FOR CAP // AIM AT CAP // AIM AT CAP
DRIVE, -70,135, DISTANCE, 0.75, 2, WRISTSEEK, WRIST_VERTICAL_POS, PAUSE, 0.5,	// DRIVE TO CAP 1 // PICK IT UP // TIME TO PICK UP
DRIVE,70,135,WHITE_R,2, OVER START TILE TURN,180,2, DRIVE,70,180,BLACK_R,2, DRIVE,-90,180,DISTANCE,0.075,1, TURN,90,2,	// DRIVE TILL RIGHT SENSOR IS // TURN FOR NEXT DRIVE // DRIVE UNTIL OFF START TILE // DRIVE TO LINE UP // TURN TO LINE UP
DRIVE,-127,90,0.1, TURN,90,2, DRIVE,127,90,0.1,	// DRIVE AWAY FROM POLE // TURN TO LINE UP // DRIVE BACK TO WALL
DRIVE, 100, 90, DISTANCE, 0.4, 0.5,	// DRIVE TO WALL
STACK_HIGH, PAUSE,STACKED,10,	// STACK CAP 1 // WAIT TILL STACKED
START_COAST,	// START FLYWHEEL SPIN-UP
DRIVE,-127,90,DISTANCE,0.5,2,	// DRIVE AWAY FROM WALL
TURN, 45,2, DRIVE, 127, 45, DISTANCE, 0.3,2,	// TURN READY TO DRIVE - 245 // DRIVE TO LINE UP
TURN,0,2, TURN AIM,BLUE FLAG,LEFT,2,	// TURN TOWARDS FLAGS // AIM AT LEFT-MOST BLUE FLAG

```
DRIVE, 127, CDIR, DISTANCE, 0.6, 2,
                                      // DRIVE TO TOP FLAG DIST
                                      // SHOOT TOP FLAG
FIRE_AIM, TOP,
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
                                      // SHORT PAUSE
PAUSE, 0.5,
STOP_FIRE,
                                      // STOP FLYWHEEL
STOP_COAST,
                                      // TURN FLYWHEEL FULLY OFF
                                      // TURN INTAKE OFF
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 FLYWHEEL SPINUP
START_COAST,
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
                                      // SHORT PAUSE
    PAUSE, 0.25,
                                      // END OF IF
ENDIF,
```

```
STOP_FIRE,
                                       // STOP FLYWHEEL
    DRIVE, 127, CDIR, DISTANCE, 0.75, 2,
                                       // DRIVE TO MIDDLE FLAG DIST
    FIRE_AIM, MIDDLE,
                                        // SHOOT MIDDLE FLAG
                                        // WAIT TILL SHOT
    PAUSE, FIRED, 5,
                                        // SHORT PAUSE
    PAUSE, 0.25,
    STOP_FIRE,
                                        // STOP FLYWHEEL
    INTAKE_OFF,
                                        // TURN INTAKE OFF
    TURN_REL, 15, 0.5,
                                        // TURN TO FACE 0
    DRIVE, 127, 0, 0.5,
                                        // DRIVE TO TOGGLE BOTTOM FLAG
    PAUSE, UNTIL, 44,
                                        // WAIT UNTIL LAST SECOND
    DRIVE, -127, 270, 1,
                                        // DRIVE AWAY FROM FLAGS
    END
                                        // END OF ROUTINE
};
```