```
TURN,0,1,                            // TURN STRAIGHT
INTAKE_ON,                           // TURN INTAKE ON
DRIVE,-127,0,0.25,                   // DRIVE AWAY A LITTLE
TURN,0,1,                            // TURN STRAIGHT

DRIVE,-127,0,SONAR,1.2,2,            // DRIVE AWAY FROM FLAG
WRISTSEEK,WRIST_FORWARD_POS,         // LOWER FORKS
TURN,83,2,                           // TURN TO FACE CAP
DRIVE,-127,90,DISTANCE,2.5,2,        // DRIVE TO CAP
DRIVE,127,90,DISTANCE,0.1,1,         // DRIVE AWAY A LITTLE
WRISTSEEK,WRIST_VERTICAL_POS,        // FLIP CAP
PAUSE,0.5,                           // PAUSE A LITTLE

WRISTSEEK,WRIST_FORWARD_POS,         // LOWER FORKS
DRIVE,127,90,DISTANCE,0.5,1,         // DRIVE AWAY FROM CAP
TURN,180,2,                          // TURN READY FOR NEXT MOVE
WRISTSEEK,WRIST_VERTICAL_POS,        // RAISE FORKS
DRIVE,127,180,DISTANCE,0.9,2,        // DRIVE TO LINE UP FOR CAP
TURN,90,2,                           // AIM FOR CAP

DRIVE,127,90,DISTANCE,1,2,           // DRIVE TO FLIP CAP
INTAKE_ON,                           // INTAKE ON TO GET BALL
START_COAST,                         // TURN FLYWHEEL ON
PAUSE,0.5,                           // SHORT PAUSE
DRIVE,-127,90,DISTANCE,1.25,2,       // DRIVE TO LINE UP FOR SHOT
TURN,350,2,                          // TURN TO FACE FLAGS
TURN_AIM,BLUE_FLAG,LEFT,2,           // AIM AT RIGHT-MOST BLUE FLAG

IF, GOTBALLS,                        // IF WE HAVE TWO BALLS
    DRIVE,-90,CDIR,SONAR,1.5,1,      // LINE UP FOR SHOT
    DRIVE,90,CDIR,SONAR,1.5,1,       // LINE UP FOR SHOT
    FIRE_AIM,TOP,                    // SHOOT TOP FLAG
    PAUSE,FIRED,2,                   // WAIT TILL SHOT
    PAUSE,0.5,                       // SHORT PAUSE
    STOP_FIRE,                       // STOP FLYWHEEL
ENDIF,                               // END OF IF

TURN_AIM,BLUE_FLAG,CENTER,1,         // AIM AT CENTRE-MOST BLUE
 FLAG
DRIVE,127,CDIR,0.25,                 // DRIVE CLOSE
DRIVE,127,CDIR,SONAR,1,2,            // DRIVE TO MIDDLE FLAG DIST
FIRE_AIM,MIDDLE,                     // SHOOT MIDDLE FLAG
PAUSE,FIRED,2,                       // WAIT TILL SHOT
PAUSE,0.5,                           // SHORT PAUSE
STOP_FIRE,                           // STOP FLYWHEEL

WRISTSEEK,WRIST_VERTICAL_POS,        // RAISE FORKS
STOP_COAST,                          // TURN FLYWHEEL FULLY OFF
INTAKE_OFF,                          // TURN INTAKE OFF
DRIVE,127,0,0.5,                     // DRIVE TO TOGGLE BOTTOM FLAG


TURN,0,1,                            // TURN STRAIGHT
INTAKE_ON,                           // TURN INTAKE ON
DRIVE,-127,0,0.5,                    // DRIVE AWAY A LITTLE
DRIVE,-127,0,DISTANCE,1.5,2,         // DRIVE BACK
TURN,270,2,                          // TURN TO FACE BLUE TILE
DRIVE,127,270,WHITE_E,2,             // DRIVE TO BLUE TILE
DRIVE,-90,270,0.1,                   // DRIVE TO BREAK
TURN,180,2,                          // TURN
DRIVE,127,180,BLACK_L,2,             // DRIVE OFF TILE
DRIVE,-90,180,0.1,                   // DRIVE TO BREAK
TURN,80,2,                           // TURN TO FACE PLATFORM
DRIVE,127,90,DISTANCE,0.5,1,         // DRIVE TO PLATFORM
DRIVE,127,90,DISTANCE,3,4,           // PARK

END                                  // END OF ROUTINE
};
```