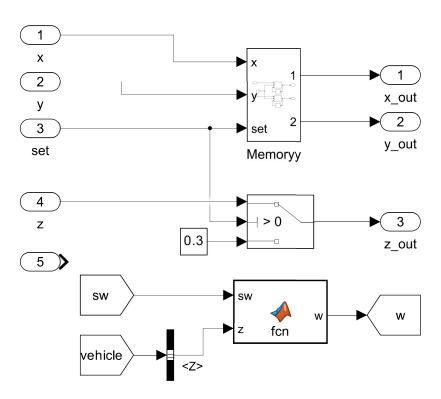


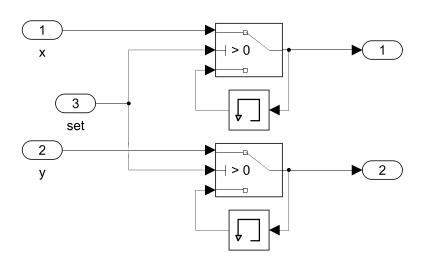
YRP

way



```
function w = fcn(sw,z)

if (z > -0.35) && (z < -0.30)
    w = 0.8*sw;
elseif (z >= -0.30) && (z < -0.20)
    w = 0.6*sw;
elseif (z >= -0.20)
    w = 0.1*sw;
else
    w = sw;
end
```



```
persistent i
persistent start_time
if isempty(i)
   i = 1;
if isempty(start time)
   start time = t;
end
       x = u(i, 1);
       y = u(i, 2);
        z = u(i, 3);
       yaw = u(i, 4);
       w time = u(i,5);
       distance = sqrt((x - x s)^2 + (y - y s)^2 + (z + z s)^2);
       disp(sprintf('Distance: %.3f', distance))
        if distance < 0.1
            elapsed time = t - start time;
            disp(sprintf('Start time: %.3f', start time))
            disp(sprintf('Elapsed time: %.3f', elapsed_time))
            if elapsed time >= w time
                i = i + \overline{1};
                if i >= height(u)
                    i = height(u);
                end
                disp("waypoint")
            end
       else
            start time = t;
       end
```

function $[x, y, z, yaw] = way(u, x_s, y_s, z_s, t)$

end

function [y, m] = points()

y = P;m = T;