

Start

Inputs:

$d_r$ : remote distance  
 $\theta_r$ : remote angle

Compute target point

$$d_{tgt} = d_r - d_{follow}$$
$$\theta_{tgt} = \theta_r$$

Compute Linear Speed

$$v = K_v d_{tgt}$$

Compute Angular Speed

$$\omega = K_\omega \theta_{tgt}$$

Apply speeds to motors

End

