u=rw=L·x RVL-RVR = Lia R (V2-VR) = L-d 4 - E (V_-VR)

V= ra r= b V= U n= la wheel velocity = VRR VR=(1-42)W V, R= (+ 42)cw Dolve for It D MR = (4-+ 42) (VLR-VRR V, R = (1+1/2) VPR=(1-42) W VOR-VOR= 155-96+4500+4200 ス(も+dt)-zt) A (VI-VA) y(t+dt)-y(t) x(t+dt) = x(t) + 21 & os(a) dt y (++dt)= y(t) + usin(a)dt 2(t+dt)-x(t)=2 cod(x) ling (y(t+dt)-y(t))-45 $\dot{x} = \frac{1}{2}(V_L + V_R)\cos(\alpha) \qquad (\dot{y} = \frac{R}{2}(V_L + V_R)\sin(\alpha)$