It reaches the post of a time: th= u The vertical relocity obeys: y(th)=h=-3th +6th => Vo=hu + gd The time for it to reach y (to) = 0 again is Y(to)=0=-9to2+Voto=> to = 2Vo = 2hu + th So in a time to-th, it travelled a distance: V= u(to-tn) = 2hu from the post Which is inclependent of the storting point og l since it is only expressed in terms of the constants h, u, g, d, Thus at land, on a civo of vadius 2 hur around the pole.

