













 $\frac{1}{x} = \lambda x - y - x(x^2 + y^2)$ 3 = x + 2y - y(x2+y2) ZER Z= resq y= vsinq x= vcosq - vsinqq j= rsing + rcosq i r=xcosq+ijsinq=drcosq+rcosthp+ + drsin24 - rsingery -- r3 x = 2r - r3 rig = y cosq - x sing = r cos q + 2 r sing cosq - r35 iht cos 6 -- dressessing + rsing + ressessing = Jig = 1  $\begin{cases} \dot{q} = 1 \\ \dot{r} = -\gamma^3 \end{cases}$ (2=0) (r=dr-r3

