ecture 9 RGA and decoupling Input: [9R, Q2], Output [TT, TB] A linearized model $\begin{bmatrix} T_{q}(s) \\ T_{g}(s) \end{bmatrix} = \begin{bmatrix} h_{11}(s) & h_{12}(s) \\ h_{21}(s) & h_{21}(s) \end{bmatrix} \begin{bmatrix} q_{q}(s) \\ Q_{1}(s) \end{bmatrix}$ h11(5) = 1-10 , h12(5) = 3 (1+1005) (1+81) har(1) = 1-11 1+2005, haz(s) = 10 1+1005 Best pairing by RGA $R = P(0) \cdot * P(0) = \begin{bmatrix} -10 & 3 \\ -11 & 10 \end{bmatrix}$ $= \begin{bmatrix} -10 & 3 \\ -11 & 10 \end{bmatrix} \cdot * \begin{bmatrix} -0.15 & -0.16 \\ 0.045 & 0.15 \end{bmatrix}$ = 15 -12 , 7=1.5 There is no optimal Pairing due to 7=1.5 PRCS) - Thuco - Trcs) Law Bode Og se at det er fink se men kan gange med 1 for 1