1|x(t)|| < K, ext K, < K2 } -> caines (6) hin? tot hon uglia la 11 x(t) - K, exit li ciz tré ciz tot. te lostes). Now thinks to No Kzext < Kzext the Kext the Mit the $\frac{\text{W}}{\text{K}_1=1}, \quad \frac{\text{K}_1=-1}{\text{K}_2=-2} \rightarrow \text{K}_1 e^{-\frac{1}{2}} = \frac{1}{2} e^{\frac{1}{2}}$ $\frac{\text{K}_2=2}{\text{K}_2=-2} \rightarrow \text{K}_2 e^{-\frac{1}{2}} = \frac{2}{e^{2t}}$ 1 0 2t (e) et < 2 (e) t< ln2 New tolan this Kient < Krent -> Kient we living tothon. New to ha this K, ext < K, ext -> Kzext -> Kzext -Page 9: Nonte Cosh) the RH & Kyent 1x. 11 (1.28) Skyent De. Pz(+) < Kzext In (1.23) (178) P(4) < 1 et A-as)t. x. 11 et < [(A-as)t | 1|x. 11 ext | |x(+)| < (x,+ x,). ext | |x(+)| < $\|x_{i}\| = \|x(0)\| \le \sup_{t \in \{h, o\}} \|x(t)\| = \sum_{i=1}^{h} \sum_{t=1}^{h} \|x_{i}\|$ $N\tilde{\omega}_{1}^{t} \in (h, +\infty) + h\tilde{\omega} \qquad P_{1}(t) \in (L_{2}e^{\alpha t} \parallel x) \qquad (1.30) \in (L_{3}e^{\alpha t} \neq h) \rightarrow \|x(t)\| \qquad P_{2}(t) \in (L_{4}e^{\alpha t} \neq h) \qquad (1.31) \qquad E_{2}(t) \in (L_{4}e^{\alpha t} \neq h) \qquad (1.31)$ => ||x(A)|| < ||P,(H)|| + ||P_2(H)|| < (max {K1, x2} + max {K3, K4}). ext Ih (Nem Ham (Duas 2)) =: K. 3 + 2 = Nxd: Doja K & & which trênt van can like this, K tot what phai la max { K + K2 , K2+K4}. Ben coult to tank gia top hón (the hien vai tro wa x(0)) la

1 P, (t) 1 < max {K,, K,} ext | x, 11,

||P1(t)|| < max {X1, X2} ext ||X2|| , ||P2(t)|| < max {X3, X4} ext [] h.