8) Cla, 62; $g(x,y) = \max_{x \in S_1} |x(t) - y(t)|$ Payors $\{y_n\}_{n=1}^{\infty} - q_{y_n} |x_n| = \max_{x \in S_1} |y_n(t) - y_m(t)| = E \forall n, m \times V(E) = V(E) > 0 : g(y_n, y_m) = \max_{x \in S_1} |y_n(t) - y_m(t)| = E \forall n, m \times V(E) = V(E) - y_m(t)| = E \forall n, m \times V(E) = V(E) - y_m(t)| = E \forall t \in [a, 6] \forall n, m \times V(E) = V(E) - y_m(t)| = E \forall t \in [a, 6] \forall n, m \times V(E) = V(E) - y_m(t)| = E \forall t \in [a, 6] \forall n, m \times V(E) = V(E) - y_m(t)| = E \forall t \in [a, 6] \forall n, m \times V(E) = V(E) - y_m(t)| = E \forall t \in [a, 6] \forall n, m \times V(E) = V(E) - y_m(t)| = E \forall t \in [a, 6] \forall n, m \times V(E) = V(E) - y_m(t)| = V(E) - y_m(E)| = V(E)| = V(E)|$

5º1.5. (mp-les Theyronomicka) 1. 1/x,y) = arc+9/x-4/20 - bepro 2. $f(x, y) = a \operatorname{ect}_{p} |x - y| = a \operatorname{ect}_{p} |y - x| = p |y, x| - begue$ 3. $b_{f}(d, id_{e}) = \frac{t_{f}d}{1 - t_{g}d} \cdot \frac{t_{f}d_{e}}{1 - t_{g}d} \ge t_{g}d, it_{g}d_{e} = 1$ => arctg (tgd, +tgd2) < d, +d2 = arctg (tgd,) + arctg (tgd2) Pujers tgd, = 1x-y/; tgd= 1y-21 Toda: azetg (1x-41+14-21) = acctp 1x-41 + acctp 1y-21 acoty (12-21) = accty (12-41 + 14-21) = accty /2-41 +accty/4-21 => -> g(x, 2) = p(x, y) + g(y, 2) - Eepuo => p(x,y) = acotq 1x - y1 - merpuna Romora: Payers [angle: - apyel. nocn-3 => NE>0 2 MES 20: p(an, am.) < 2 arcty & Vn, m > N(E) => lan-am/= & th, m > N(E) => {angno, -qque. no g(xy)= 1xy -> Aliman = a lim p(an, am) = lim aceto lan-al =0

 $\begin{array}{lll} \mathcal{S}^{0,9?} & f \propto n \, f \, n^{2} \, \cdot & - \, \varphi \, y \, u \, \ell & \dots \, - \, R & = > \\ \mathcal{V} & > 0 \, \beta \, N(\ell) > 0 \, \cdot & \, \sup \left| \, \left| \, \chi \, n_{\kappa} - \, \chi \, m_{\kappa} \, \right| < \mathcal{E} & \xrightarrow{4n} \, \forall \, n, \, m > \, N(\ell) \\ & = > \, \forall \, k \, \gtrsim 1 \, \left| \, \chi \, n_{\kappa} - \, \chi \, m_{\kappa} \, \right| < \mathcal{E} \, \forall \, h, \, m \, > \, N(\ell) & = > \\ & = > \, \beta \, \left(\lim_{n \to \infty} \, \chi \, n_{\kappa} = \, \mathcal{L}_{\kappa} \right) \\ & = > \, \beta \, \left(\lim_{n \to \infty} \, \chi \, m_{\kappa} \, \right| < \mathcal{E} \, \forall \, h, \, m \, > \, N(\ell) = > \, \mathcal{E} \, \text{operate no nm} \\ & \forall \, k \, \gtrsim 1 \, \left| \, \chi \, n_{\kappa} - \, \chi \, m_{\kappa} \, \right| < \mathcal{E} \, \forall \, h, \, m \, > \, N(\ell) = > \, \mathcal{E} \, \text{operate no nm} \\ & \forall \, k \, \gtrsim 1 \, \left| \, \chi \, n_{\kappa} - \, \chi \, \kappa \, \right| \leq \mathcal{E} \, \forall \, h, \, m \, > \, N(\ell) = > \, \mathcal{E} \, \text{operate no nm} \\ & \forall \, k \, \gtrsim 1 \, \left| \, \chi \, n_{\kappa} - \, \chi \, \kappa \, \right| \leq \mathcal{E} \, \forall \, h, \, m \, > \, N(\ell) = > \, \mathcal{E} \, \text{operate no nm} \\ & \Rightarrow \, \beta \, \left(\, \chi \, n_{\kappa} \, \chi \, \right) \, \Rightarrow \, 0 \, \, n_{\rho} \, u \, \Rightarrow \, \infty \, \Rightarrow \, \text{nownel} \\ & \Rightarrow \, \beta \, \left(\, \chi \, n_{\kappa} \, \chi \, \chi \, \right) \, \Rightarrow \, 0 \, \, n_{\rho} \, u \, \Rightarrow \, \infty \, \Rightarrow \, \text{nownel} \\ & \Rightarrow \, \beta \, \left(\, \chi \, n_{\kappa} \, \chi \, \chi \, \right) \, \Rightarrow \, 0 \, \, n_{\rho} \, u \, \Rightarrow \, \infty \, \Rightarrow \, \text{nownel} \\ & \Rightarrow \, \beta \, \left(\, \chi \, n_{\kappa} \, \chi \, \chi \, \right) \, \Rightarrow \, 0 \, \, n_{\rho} \, u \, \Rightarrow \, \infty \, \Rightarrow \, \text{nownel} \\ & \Rightarrow \, \beta \, \left(\, \chi \, n_{\kappa} \, \chi \, \chi \, \right) \, \Rightarrow \, 0 \, \, n_{\rho} \, u \, \Rightarrow \, \infty \, \Rightarrow \,$