ETERCICIO 1.2

ab+cd>0 $> a^2+c^2+b^2+d^2+2\cdot\sqrt{(ab+cd)^2}$ $= a^{2}+b^{2}+c^{2}+d^{2}+2\cdot|ab+cd| = a^{2}+b^{2}+2ab+c^{2}+d^{2}+2cd=$ $= (a+b)^{2} + (c+d)^{2} \stackrel{>}{=} (x_{1}-z_{1})^{2} + (x_{2}-z_{2})^{2} = \left[d_{\varepsilon}(x_{1}z)\right]^{2}$ Por tento: $\left[d_{\epsilon}(x_{i}z)\right] \leq \left[d_{\epsilon}(x_{i}y) + d_{\epsilon}(y_{i}z)\right]^{2}$ a+b= |x1-41+ |4-21 > |x1-21| y en consecuencia: $d_{\varepsilon}(x, z) \leq d_{\varepsilon}(x, y) + d_{\varepsilon}(y, z)$ $C+0 = |x_2-y_2| + |y_2-2_2| > |x_2-2_2|$