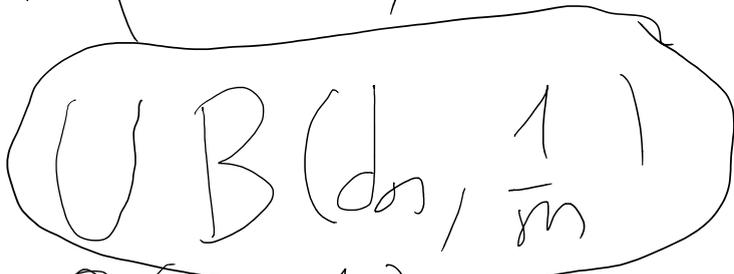


$$D = \{d_n\}_{n \in \mathbb{N}} / D = \mathcal{Y}$$

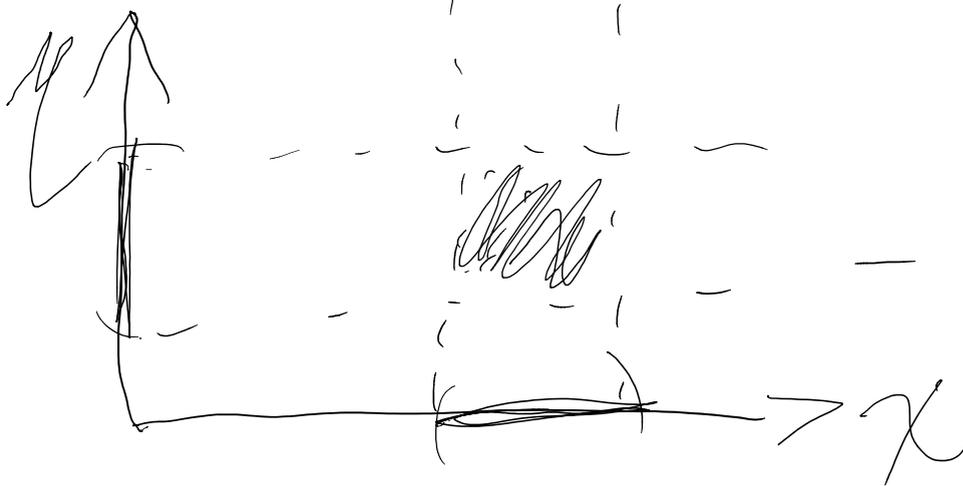
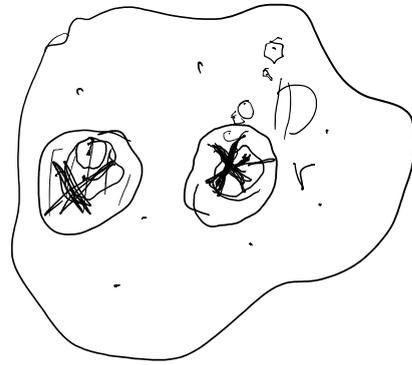
$$B = \{B(d_n, \frac{1}{m}) : (n, m) \in \mathbb{N}^2\}$$

$q \in \mathbb{Q}$

$A \subset X$ abierto



$$B(d_n, \frac{1}{m}) \subset A$$



B_1 base de X

D_n lazo de Y

B_2 base de \mathcal{Z}

$$\pi_1: X \times Y \longrightarrow X$$

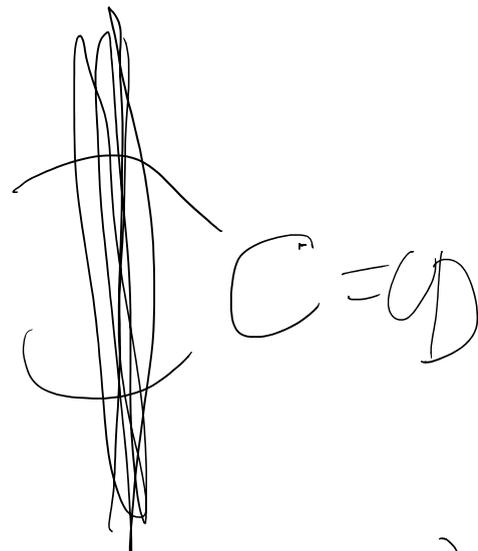
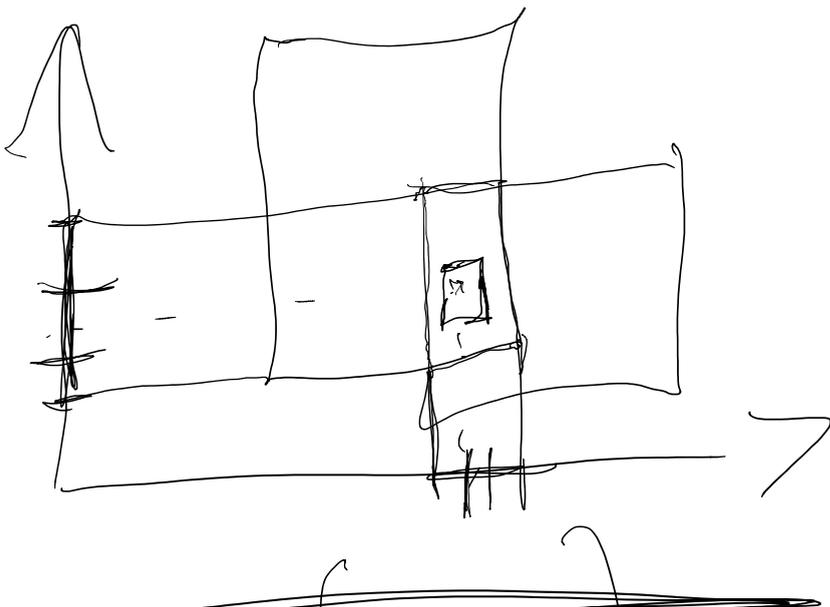
π_2

$$A = C \cap D$$

$$C = \pi_1^{-1}(C'), \quad C' \in B_1$$

$$D = \pi_2^{-1}(D'), \quad D' \in B_2$$

$$C' \times D'$$



$$\overline{UB = A \in \tau}$$

$$\overline{U(B \times D)}$$

$$A \times C$$

$$\|f_n - f\| = 0 \quad \text{ctp}$$

