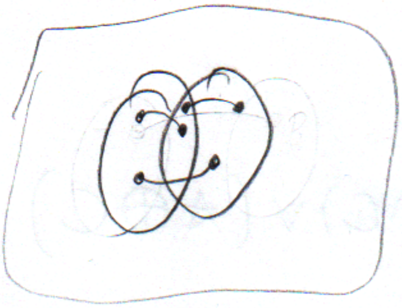
$A, B \subset X$

2025.09.24.

$R[A] \in B \longleftrightarrow R^{-1}[X-B] \subset X-A$



$R^{-1}[X-B] \not\subset X-A \longrightarrow$

$\exists x \in R^{-1}[X-B] \wedge x \notin X-A \longleftrightarrow$

$\longrightarrow$

$\exists a \in R^{-1}[X]$

$\mathcal{H} \subset \mathcal{F}(A, B)$ $\quad f: A \xrightarrow{?} B$

$h_1, h_2 \in \mathcal{H}, \; h_1 \subset h_2 \vee h_2 \subset h_1$

$\bigcup \mathcal{H} \in \mathcal{H}$

$\exists i \in I, \; h_i \in \mathcal{H}, \; x \in h_i$

a) $f = \bigcup \mathcal{H}$ függvény

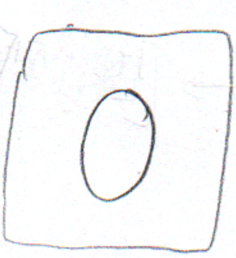
$(a,c),(a,b) \in f \rightarrow \exists h_i, h_j \in \mathcal{H}: (a,c) \in h_i, (a,b) \in h_j \rightarrow$

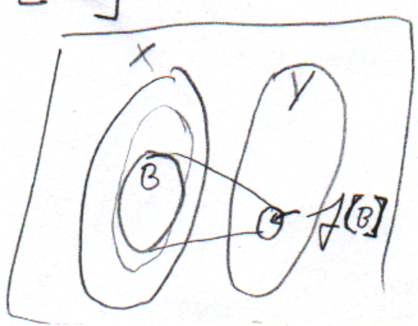
$(h_i \subset h_j \rightarrow b \neq c) \vee (h_j \subset h_i \rightarrow b \neq c)$

b) részhél $(b,a),(c,a)$-ra ugyanez

$f: X \xrightarrow{?} Y \quad A \subset X \rightarrow A \subset f^{-1}[f[A]]$

$B \subset Y \rightarrow f[f^{-1}[B]] \subset B$





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