

Soient E ensemble, $A, B \subseteq E$

$$\begin{aligned} \text{Soit } f: \mathcal{P}(E) &\longrightarrow \mathcal{P}(A) \times \mathcal{P}(B) \\ X &\longmapsto (A \cap X, B \cap X) \end{aligned}$$

1. CNS pour f injective? f surjective?
2. On suppose f bijective, donner f^{-1} .