

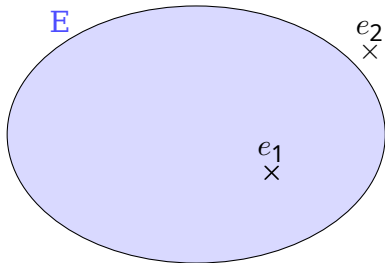
Un ensemble **contient** des éléments.

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Un élément est **contenu** dans un ensemble.

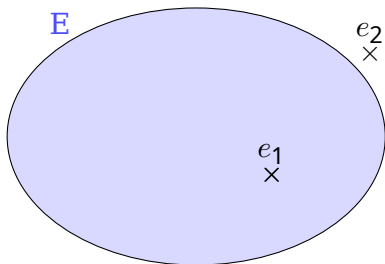
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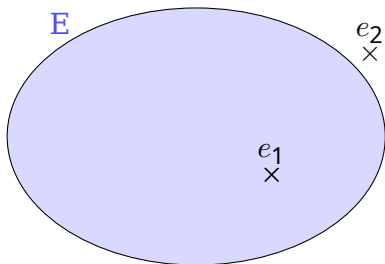


On note

$$e_1 \in E.$$

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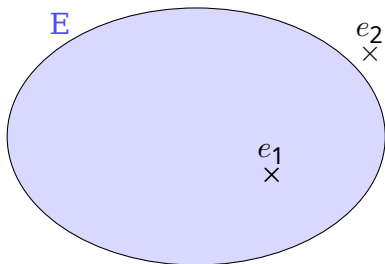
$$e_1 \in E$$

On note

$$e_2 \notin E$$

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$$e_1 \in E$$

On note

$$e_2 \notin E$$

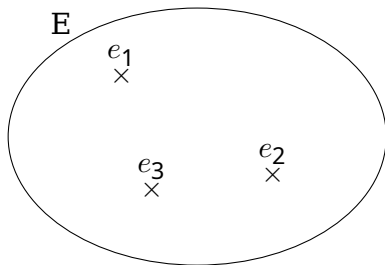


On note

$$x \in I$$

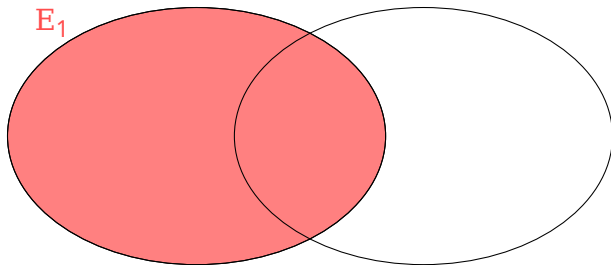
Un **ensemble** est ainsi une collection d'éléments.

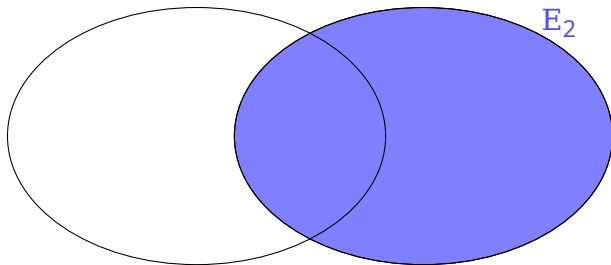
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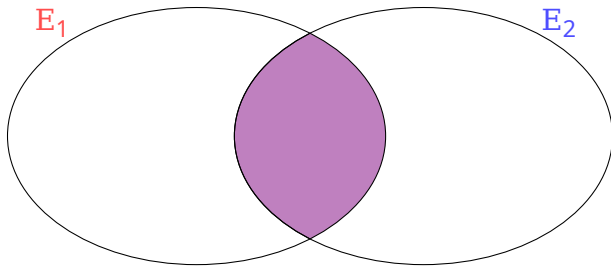


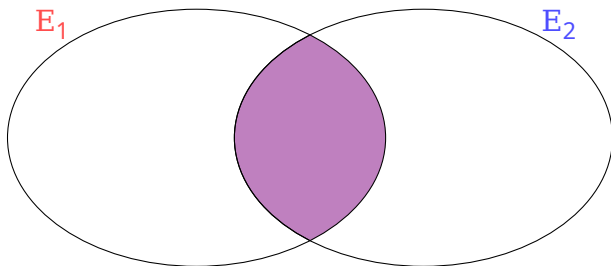
On note  $E = \{e_1, e_2, e_3\}$ .



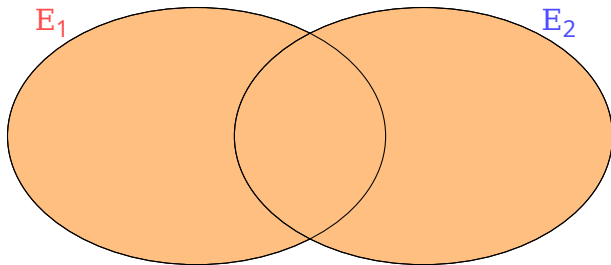


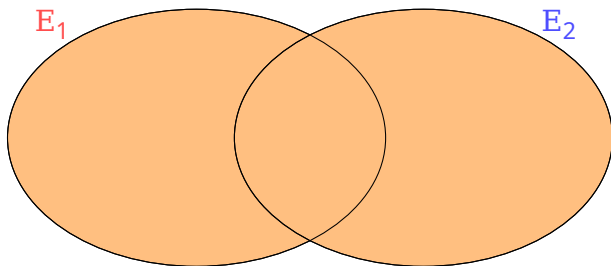




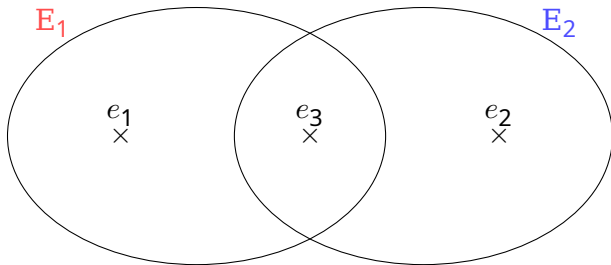


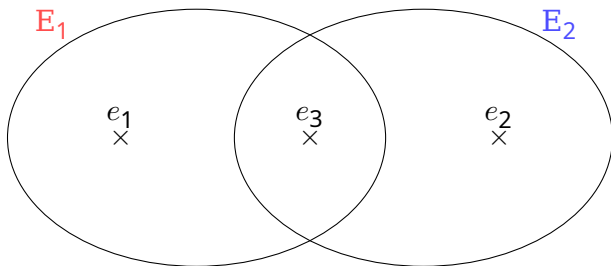
$$E_1 \cap E_2$$





$$E_1 \cup E_2$$



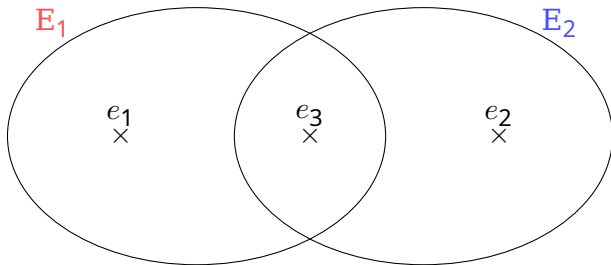


$$e_1 \in E_1 \cup E_2$$

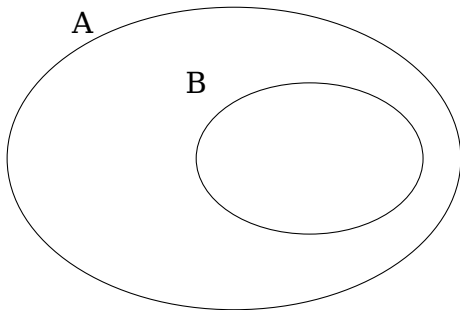
$$e_2 \in E_1 \cup E_2$$

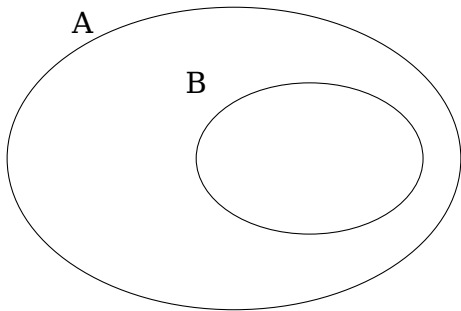
$$e_3 \in E_1 \cup E_2$$



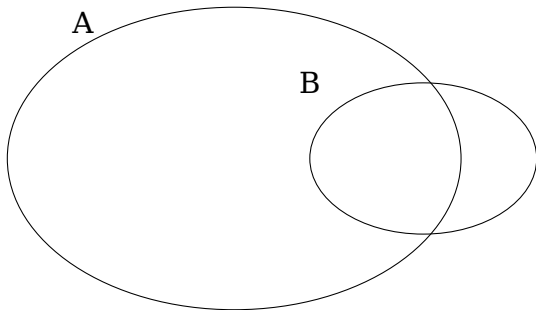


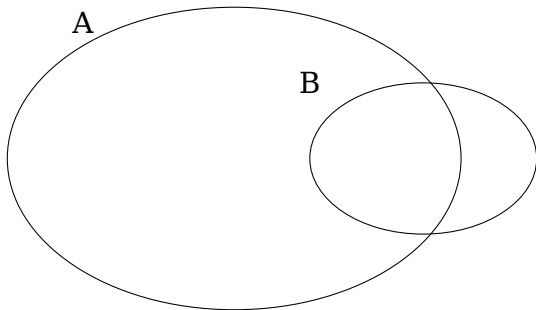
$$e_3 \in E_1 \cap E_2$$





$$B \subset A$$





$B \not\subset A$