

Title of Card 1

This is a {cloze} deletion test. You can have several {clozes} on the same card. In the pdf and html previews, they get displayed in different colours.

You can also define a {cloze with a hint : hint}.

Background info: You can display some additional info on the back of the card.

Preimage

A **preimage** of an element $b \in B$ under a map $f: A \rightarrow B$ is $\{\text{an element } a \in A \text{ with } f(a) = b. : (\text{think of an element in } A)\}$

Background info:

User macros

User $\{\text{marcos}\}$ get expanded by plastex: \mathbb{R} , \mathbb{C}

Background info:

Tables

LaTeX tabulars get converted to html tables: {

<i>a</i>	<i>b</i>
<i>c</i>	<i>d</i>

}

Background info:

Aligned equations

Aligned equations that contain cloze deletions are best simulated using tabulars:

$$\begin{aligned} & \{ f(\vec{v}_1, \dots, \vec{v}_{i-1}, \vec{v}_i + \vec{v}'_i, \vec{v}_{i+1}, \dots, \vec{v}_n) \} \\ &= \left\{ \begin{array}{l} f(\vec{v}_1, \dots, \vec{v}_{i-1}, \quad \vec{v}_i \quad, \vec{v}_{i+1}, \dots, \vec{v}_n) \\ + f(\vec{v}_1, \dots, \vec{v}_{i-1}, \quad \vec{v}'_i \quad, \vec{v}_{i+1}, \dots, \vec{v}_n) \end{array} \right\} \\ &= \begin{array}{l} \{ f(\vec{v}_1, \dots, \vec{v}_{i-1}, s\vec{v}_i, \vec{v}_{i+1}, \dots, \vec{v}_n) \} \\ \{ s \cdot f(\vec{v}_1, \dots, \vec{v}_{i-1}, \vec{v}_i, \vec{v}_{i+1}, \dots, \vec{v}_n) \} \end{array} \end{aligned}$$

Background info:

Test Chapter – Example 03