

$$A = \{a, b, c\}$$

$$A - \{a\} =$$

$$A = \{a, b, c\}$$

$$A - \{a\} = \{b, c\} \qquad \mathcal{P}(A - \{a\}) =$$

$$A = \{a, b, c\}$$

$$A - \{a\} = \{b, c\}$$

$$\mathcal{P}(A - \{a\}) = \{\{b, c\}, \{b\}, \{c\}, \emptyset\}$$

$$\{\{a\} \cup C \mid C \in \mathcal{P}(A - \{a\})\}$$
$$=$$

$$A = \{a, b, c\}$$

$$A - \{a\} = \{b, c\} \quad \mathcal{P}(A - \{a\}) = \{\{b, c\}, \{b\}, \{c\}, \emptyset\}$$

$$\begin{aligned} & \{\{a\} \cup C \mid C \in \mathcal{P}(A - \{a\})\} \\ &= \{\{a, b, c\}, \{a, b\}, \{a, c\}, \{a\}\} \end{aligned}$$

$$\mathcal{P}(A) =$$

$$A = \{a, b, c\}$$

$$A - \{a\} = \{b, c\} \quad \mathcal{P}(A - \{a\}) = \{\{b, c\}, \{b\}, \{c\}, \emptyset\}$$

$$\begin{aligned} & \{\{a\} \cup C \mid C \in \mathcal{P}(A - \{a\})\} \\ &= \{\{a, b, c\}, \{a, b\}, \{a, c\}, \{a\}\} \end{aligned}$$

$$\mathcal{P}(A) = \{\{a, b, c\}, \{a, b\}, \{a, c\}, \{a\}, \{b, c\}, \{b\}, \{c\}, \emptyset\}$$

$$A = \{a, b, c\}$$

$$A - \{a\} = \{b, c\} \qquad \mathcal{P}(A - \{a\}) = \{\{b, c\}, \{b\}, \{c\}, \emptyset\}$$

$$\begin{aligned} & \{\{a\} \cup C \mid C \in \mathcal{P}(A - \{a\})\} \\ &= \{\{a, b, c\}, \{a, b\}, \{a, c\}, \{a\}\} \end{aligned}$$

$$\begin{aligned} \mathcal{P}(A) &= \{\{a, b, c\}, \{a, b\}, \{a, c\}, \{a\} \\ &\quad \{b, c\}, \{b\}, \{c\}, \emptyset\} = \{\{a\} \cup C \mid C \in \mathcal{P}(A - \{a\})\} \\ &\quad \cup \mathcal{P}(A - \{a\}) \end{aligned}$$

$$A = \{a, b, c\}$$

$$A - \{a\} = \{b, c\} \quad \mathcal{P}(A - \{a\}) = \{\{b, c\}, \{b\}, \{c\}, \emptyset\}$$

$$\begin{aligned} & \{\{a\} \cup C \mid C \in \mathcal{P}(A - \{a\})\} \\ &= \{\{a, b, c\}, \{a, b\}, \{a, c\}, \{a\}\} \end{aligned}$$

$$\mathcal{P}(A) = \begin{aligned} & \{\{a, b, c\}, \{a, b\}, \{a, c\}, \{a\} \\ & \{b, c\}, \{b\}, \{c\}, \emptyset\} = \begin{aligned} & \{\{a\} \cup C \mid C \in \mathcal{P}(A - \{a\})\} \\ & \cup \mathcal{P}(A - \{a\}) \end{aligned} \end{aligned}$$

$$A = \{a, b, c\}$$

$$A - \{a\} = \{b, c\} \qquad \mathcal{P}(A - \{a\}) = \{\{b, c\}, \{b\}, \{c\}, \emptyset\}$$

$$\begin{aligned} & \{\{a\} \cup C \mid C \in \mathcal{P}(A - \{a\})\} \\ &= \{\{a, b, c\}, \{a, b\}, \{a, c\}, \{a\}\} \end{aligned}$$

$$\mathcal{P}(A) = \begin{aligned} & \{\{a, b, c\}, \{a, b\}, \{a, c\}, \{a\} \\ & \quad \{b, c\}, \{b\}, \{c\}, \emptyset\} \end{aligned} = \begin{aligned} & \{\{a\} \cup C \mid C \in \mathcal{P}(A - \{a\})\} \\ & \cup \mathcal{P}(A - \{a\}) \end{aligned}$$

























