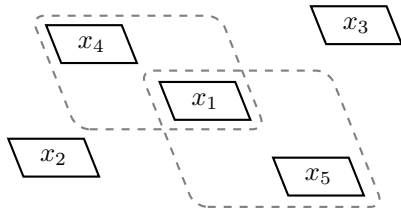


$$\mathbf{x}_1 \cup \mathbf{x}_2 = \{x_1, x_4, x_5\}$$

$$\mathbf{x}_1 = \{x_1, x_4\}$$



$$\mathbf{x}_2 = \{x_1, x_5\}$$

$$\mathbf{x}_1 \cap \mathbf{x}_2 = \{x_1\}$$