$$\mathsf{x}_1 \cup \mathsf{x}_2 = \{x_{\square}, x_{\heartsuit}, x_{\spadesuit}\}$$

$$\mathbf{x}_1 = \{x_\square, x_\emptyset\} \qquad \begin{array}{c} \mathbf{x}_\square \\ \mathbf{x}_\square \\ \mathbf{x}_\square \end{array} \qquad \begin{array}{c} \mathbf{x}_\square \\ \mathbf{x}_\square \\ \mathbf{x}_\square \end{array} \qquad \begin{array}{c} \mathbf{x}_\square \\ \mathbf{x}_\square \\ \mathbf{x}_\square \end{array} \qquad \begin{array}{c} \mathbf{x}_\square \\ \mathbf{x}_\square$$

 $x_1 \cap x_2 = \{x_{\square}\}\$