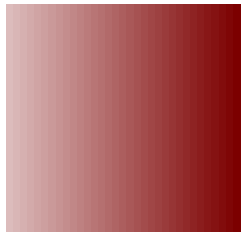


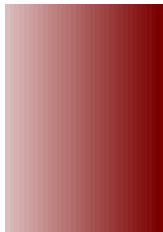
$$X_1 \times X_2 = \bigcup_{x_2 \in X_2} X_1 \times \{x_2\}$$



$$\varpi_1(X_1 \times X_2) = X_1$$



$$X_1 \times X_2 = \bigcup_{x_1 \in X_1} \{x_1\} \times X_2$$



$$\varpi_2(X_1 \times X_2) = X_2$$