

$$\begin{array}{ccc}
 \mathbf{O}_C \subseteq \overrightarrow{\mathbf{C}} \times \overrightarrow{\mathbf{C}} & \xrightarrow{\circ_C} & \overrightarrow{\mathbf{C}} \\
 \downarrow F_2 \times F_2 & & \downarrow F_2 \\
 \mathbf{O}_D \subseteq \overrightarrow{\mathbf{D}} \times \overrightarrow{\mathbf{D}} & \xrightarrow{\circ_D} & \overrightarrow{\mathbf{D}}
 \end{array}$$