

$$\begin{array}{c} \rightarrow \\ p_1 0 \end{array} + \begin{array}{c} \rightarrow \\ p_2 0 \end{array} = \begin{array}{c} \rightarrow \\ p_1 f \end{array} + \begin{array}{c} \rightarrow \\ p_2 f \end{array}$$