For every $f : F(C') \longrightarrow D$, there exists a a unique morphism $h' : C' \longrightarrow C$ such that the diagram below commutes.

$$
\begin{array}{ccc}
F(C) & \xrightarrow{\ v\ } & D & & C \\
\uparrow{\scriptstyle F(f')} & \nearrow{\scriptstyle f} & & & \uparrow{\scriptstyle h} \\
F(C') & & & & C'
\end{array}
$$