

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

$$\begin{array}{ccc}
 D & \xrightarrow{\quad u \quad} & F(C) \\
 & \searrow f & \downarrow F(h) \\
 & & F(C')
 \end{array}
 \qquad
 \begin{array}{c}
 C \\
 \downarrow h \\
 C'
 \end{array}$$