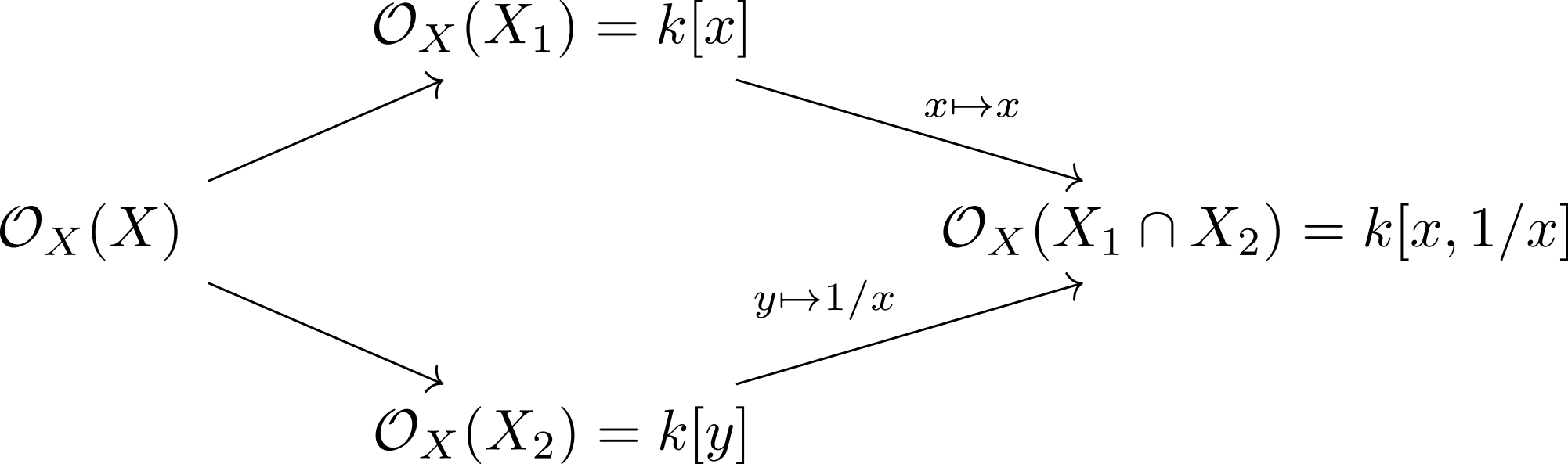
$\mathcal{O}_X(X_1) = k[x]$
$x \mapsto x$
$\mathcal{O}_X(X)$
$\mathcal{O}_X(X_1 \cap X_2) = k[x, 1/x]$
$y \mapsto 1/x$
$\mathcal{O}_X(X_2) = k[y]$