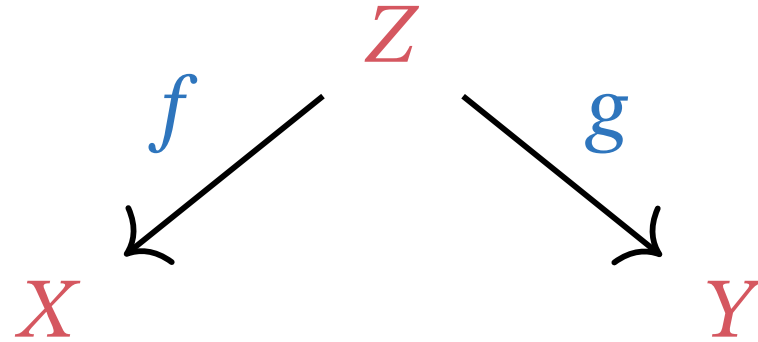**Definition** (Span). Given a category **C**, a *span* from an object X to an object Y is a diagram of the form

$$
\begin{array}{ccc}
 & Z & \\
{\scriptstyle f}\swarrow & & \searrow{\scriptstyle g} \\
X & & Y
\end{array}
$$

where Z is some other object of **C**.