

Arrow examples

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$$a \text{ --- } b$$

$$a \Rightarrow b$$

$$a \xrightarrow{f} b$$

$$a \xrightarrow{\text{oooooooooooo}} b$$

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$$P \xrightarrow[\text{By Yoneda}]{} Q$$

$$a = b$$

$$X \xrightarrow{p} Y$$

$$X \xrightarrow{\text{hom}} Y$$

$$X \xrightarrow{\exists f} Y$$

$$X \xRightarrow{f} Y$$

$$A \xrightarrow{R} B$$

$$A \xrightarrow{R} B$$

$$A \xrightarrow{i} B$$

$$A \ni x \xrightarrow{g \circ f} y \in B$$

$$X \stackrel{P}{\mapsto} Y$$

$$X \stackrel{P}{\Rightarrow} Y$$

$$X \xrightarrow[p]{\quad} Y$$

A diagram illustrating the sequence $X \rightarrow f \rightarrow Y$. The elements X , f , and Y are each enclosed in a red square box. These three boxes are contained within a larger green rectangular frame. A horizontal green line runs through the middle of the diagram, passing behind the boxes.