

A diagram:

$$\begin{array}{ccc} a, b & \leftarrow & a \\ \downarrow & & \downarrow \\ c & \Rightarrow & b \mapsto c \end{array}$$

A tree:

$$\frac{\frac{1 \quad 2 \quad 3}{1 + 2 + 3}}{f(1 + 2 + 3)} ababc$$