

$$\mathbf{mapSeq}(f, \begin{array}{|c|c|c|c|} \hline x_n & \cdots & x_2 & x_1 \\ \hline \end{array}) = \begin{array}{|c|c|c|c|} \hline f(x_1) & f(x_2) & \cdots & f(x_n) \\ \hline \end{array}$$

$$\mathbf{reduceSeq}(z, f, \begin{array}{|c|c|c|c|} \hline x_n & \cdots & x_2 & x_1 \\ \hline \end{array}) = \begin{array}{|c|} \hline f(\cdots (f(f(z, x_1), x_2) \cdots), x_n) \\ \hline \end{array}$$

$$\mathbf{id}(\begin{array}{|c|c|c|c|} \hline x_n & \cdots & x_2 & x_1 \\ \hline \end{array}) = \begin{array}{|c|c|c|c|} \hline x_n & \cdots & x_2 & x_1 \\ \hline \end{array}$$

$$\mathbf{iterate}^m(f, \begin{array}{|c|c|c|c|} \hline x_n & \cdots & x_2 & x_1 \\ \hline \end{array}) = \underbrace{f(\cdots (f(}_{m \text{ times}} \begin{array}{|c|c|c|c|} \hline x_n & \cdots & x_2 & x_1 \\ \hline \end{array})))$$