

$\text{foldl} :: (a \rightarrow b \rightarrow a) \rightarrow a \rightarrow [b] \rightarrow a$

$$\text{foldl } (\oplus) v [x_0 \dots x_n] = (((v \oplus x_0) \oplus x_1) \oplus x_2) \dots \oplus x_n$$

$\text{foldr} :: (b \rightarrow a \rightarrow a) \rightarrow a \rightarrow [b] \rightarrow a$

$$\text{foldr } (\oplus) v [x_0 \dots x_n] = x_0 \oplus (x_1 \oplus (x_2 \oplus \dots (x_n \oplus v)))$$

$\text{curry} :: ((a,b) \rightarrow c) \rightarrow a \rightarrow b \rightarrow c$

$\text{uncurry} :: (a \rightarrow b \rightarrow c) \rightarrow (a,b) \rightarrow c$

const :: a -> b -> a

flip :: (a -> b -> c) -> b -> a -> c

`map :: (a -> b) -> [a] -> [b]`

`filter :: (a -> Bool) -> [a] -> [a]`

`zipwith :: (a -> b -> c) -> [a] -> [b] -> [c]`

flatMap :: (a -> [b]) -> [a] -> [b]
concatMap

flatten :: [[a]] -> [a]
concat