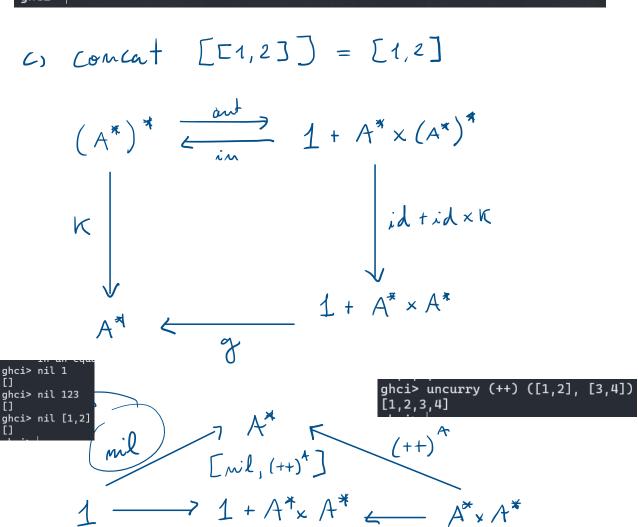
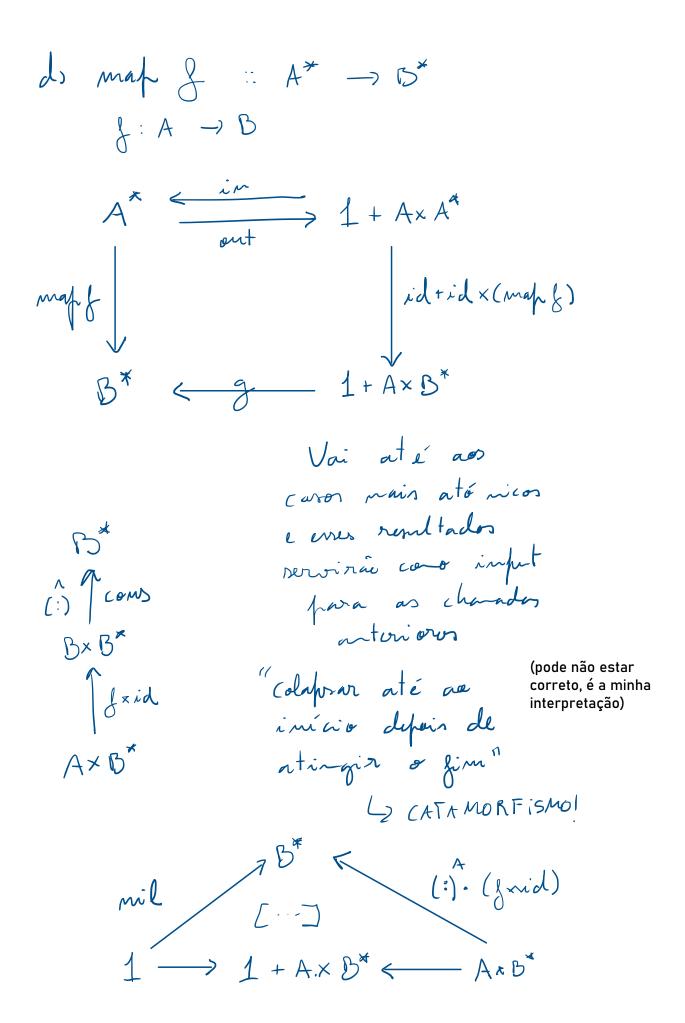


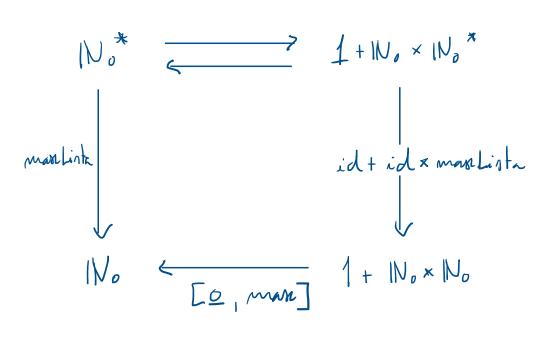
D) Revert $A^* \stackrel{\text{ant}}{\longleftarrow} 1 + A \times A^*$ $A^* \stackrel{\text{in}}{\longleftarrow} 1 + A \times A^*$ $1 + A \times A^* \stackrel{\text{in}}{\longleftarrow} A \times A^*$ $1 + A \times A^* \stackrel{\text{in}}{\longleftarrow} A \times A^*$

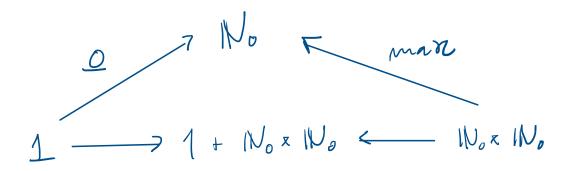
ghci> myReverse = mycataL (either nil (uncurry (++) . swap . (singl >< id)))
ghci> myReverse [1,2,3,4]
[4,3,2,1]
ghci> |





i) maxLista





$$A^{*} \leftarrow 1 + A \times A^{*}$$

$$[Nil, [\overline{n}_{2}, (:)^{4}] \cdot dintl \cdot (h? \times id)]$$

$$A^{*} \qquad \uparrow [\overline{n}_{2}, (:)^{A}]$$

$$(A \times A^{*}) + (A \times A^{*})$$

$$\int dintl$$

$$(A+A) \times A^{*}$$

$$h? \uparrow \times id$$

$$A \times A^{*}$$

filter = mycata (either nil ((either p2 (uncurry (:))) . distl . (p? >< id>))



1=2 TRUE