2013年3月7日

extension intension

[1,9,25,49,81]

[n2] o < n < 10, n edd]

[sqrn|n+[1.09], oddn]

Qo n+[1.9]

oddn

return (sqrn)

 $\begin{bmatrix} e \mid E \end{bmatrix} = \begin{bmatrix} e \end{bmatrix}$ $\begin{bmatrix} e \mid b \end{bmatrix} = if b then \begin{bmatrix} e \end{bmatrix} else \begin{bmatrix} f \end{bmatrix}$ $\begin{bmatrix} e \mid a \leftarrow x \end{bmatrix} = map(\lambda a \rightarrow e) \times c$ $\begin{bmatrix} e \mid q, q' \end{bmatrix} = concat \begin{bmatrix} Ee \mid q' \end{bmatrix} / q \end{bmatrix}$ $\begin{bmatrix} e \mid p \leftarrow xi \end{bmatrix} = concat (map h x) \text{ where } h p = \begin{bmatrix} e \end{bmatrix}$ $h = \begin{bmatrix} e \end{bmatrix}$

class Monad m =) Monad Lero when mzero :: m a [e | a \in mzero, q] = mzero Join mzero = mzero

and a man adding my colone

dass Monad M => Monad lus m where

myws:: M a -> M a -> M a

Tela => x 'npur'y, g]

= [elatx, g] myus' [ela = y, g]

Join (>x 'mylus'y) = join x 'mylus' joiny

mzero +> P mylus -> t

'ringads"

{} 25 [] ? Boom Hierarchy

ACI AC A

"a,k) is an algebra for movad m'

k:: m a -> a

K. return = id

K. join = K. map K

eg (m a, join)

algebra for ruyad if also

k \$\phi = i\theta \text{k} \text{\$\text{\$\phi}\$} \text{\$\phi} \text{\$\phi

$$\begin{aligned}
& \text{Ce} | \text{g} \int_{-\infty}^{\infty} = \theta / \text{Ce} | \text{g} \\
& = \theta / \text{Ce} | \text{E} \\
& = \theta / \text{E$$

"Q:: Ma I na is a morad morphism"

Q. return = return

Q. join = join. Q. Map Q

"ringad morphism" if also

Q Pm = Pr

Q bc tmy = Q of the Qy

 $x \text{ a bag} \Rightarrow$ $bag2set ([a^2|a \leftarrow x, odd a]_{bag})$ $= [a^2|a \leftarrow bag2set x, odd a]_{set}$ With $[a^2|a \leftarrow x, odd a]_{set}$ $[a+b|a \leftarrow [123], b \leftarrow 74,55]_{set}$ $= \{5,678\}$

[makehovine co| c+customers o+orders, c.id=:0.cid]