2013年3月1日 MSS = maximum. Sum x · seas Segs = concat. inits x. + ails sun - foldr (+) 0 maximum = foldr1 Max MSS - Maximum. Sumx. segs maximum. suma concat. initia. tails maximum. concat. sum * * inits * . tails - marinum. maximum & . Sam & . with & . tails maximum. (maximum. sum# inits) A. tail Z 1-1 1=0,1=0 1=0,1=0 May ... Mari Nou, ... WA-1 5um. product * inits = foldr (1) e where NBSIGHNXF fordrison e where u & = e = e = (u & 2) at max b c = max (atb) (atc)

 $t\alpha = m F \alpha$ $L\alpha = m G \alpha \text{ when } G \alpha \beta = \alpha \times F 1 \beta$ $subtems :: t\alpha \rightarrow L(t\alpha)$ $scan :: (F \alpha \beta \rightarrow \beta) \rightarrow T \alpha \rightarrow L \beta$ $scan \varphi = fmap(fold \varphi) \cdot subtems$

 $H \propto \beta = 1 + f \propto \beta$ $U \propto = \mu H \propto$

M monad

K:: MB -> B

MZero :: Ma

mylus:: Mx JMx JMx

return : a - 1 Ma

comp: $(\beta \rightarrow M \delta) \rightarrow (\alpha \rightarrow M \beta) \rightarrow (\alpha \rightarrow M \delta)$ Join: $M(M \alpha) \rightarrow M \alpha$

join mzero = mzero join (mplus sc y) = mplus yoin sc) (joing)

Q -> MB K: MB-B Koretum - id K. join = K. lift M K K (MZero) K(mphosxy) = Kxx ® ky prune::TX -> M (NX) :: MFX -> M (MX) prine = fold of Q:: Fx (M(Ux)) -> M(Ux) Q= lift M In, opt Nothing. lift M Just. & oft a x = return a neflus > x f::Fx(MB) -> M(FxB) contents: Lx - Mx gsegs=join. lift M pune-contents. subtems m. FNR-A maiho coh:

q::FXB-B maybe qb: (I+FXB)+B fold Q :: TX-1B ford (marke (6 5): UX-)B gmss = E/e. lift (fold (maybe (pb)). gregs $F \propto (MB) \stackrel{d}{\rightarrow} M(F \propto B) \frac{aftm q_{y} MB}{B}$ bimap likelel then gmss = 0/2. contents. scan(ba). 9