



> data Digit a = One a (RBTREE a)

> | Two a (RBTREE a) a (RBTREE a)

> micr :: a → RBTREE a → [Digit a] → [Digit]

> micr x t [] = [One x t]

> micr x t (One y u : ps)

> = Two x t <sup>RBTREE a</sup> y u : ps



> micr x t (Two y u z v : ps)

> = One x t : micr y (NB u z v) ps

> add x ps = micr x E ps

> fromList :: [a] → RBTREE a

> fromList<sup>†</sup> xs = foldl link E (foldr add xs)

- > link :: RBTree a → Digit a → RBTree a
- > link l (One x t) = NB l x t
- > link l (Two x t y u)
- > =
- > NB (NR l x t) y u

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input Delay.Trace

trace :: String → a → a