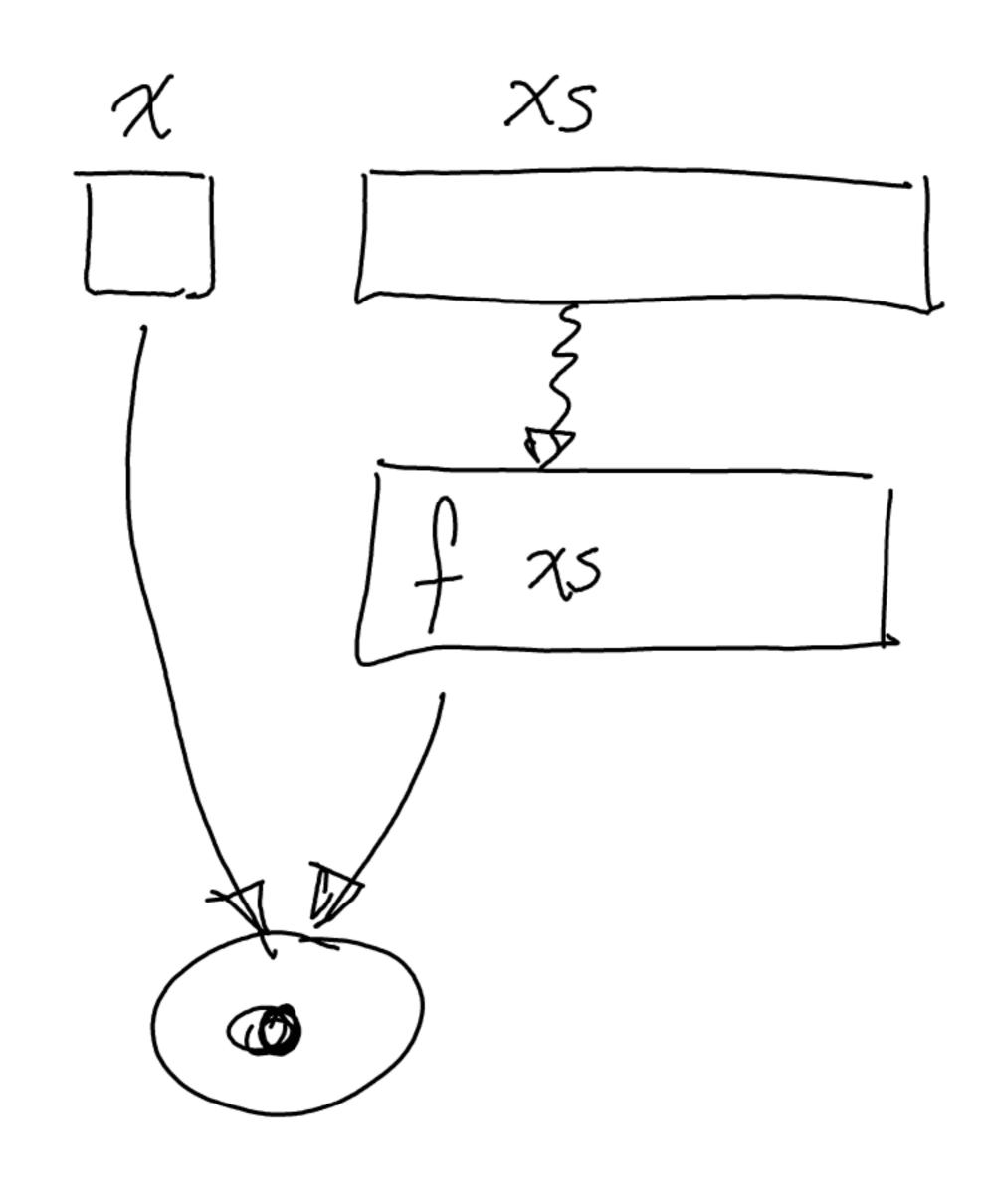
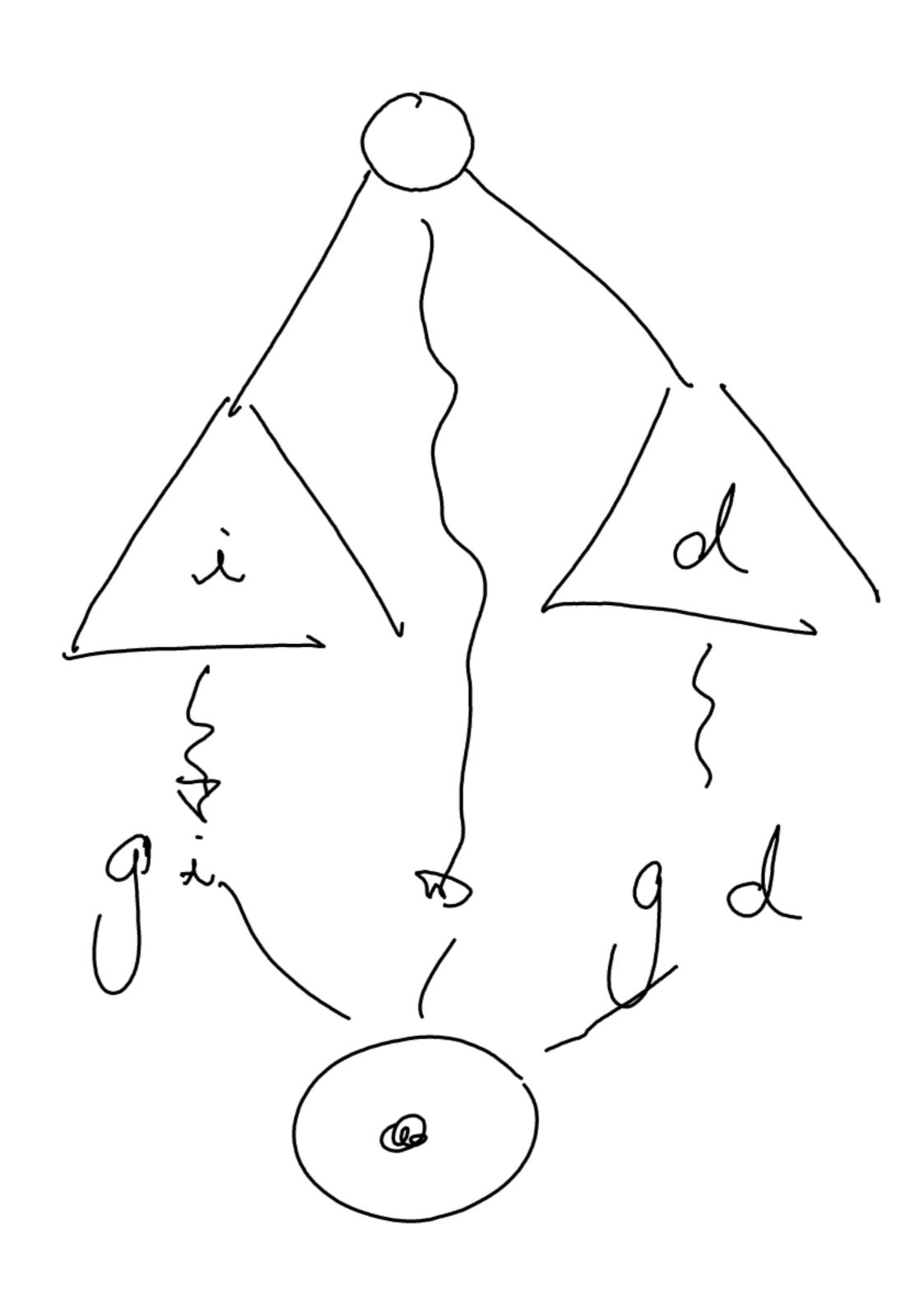
data
$$[a] = []$$
 | $a: [a]$

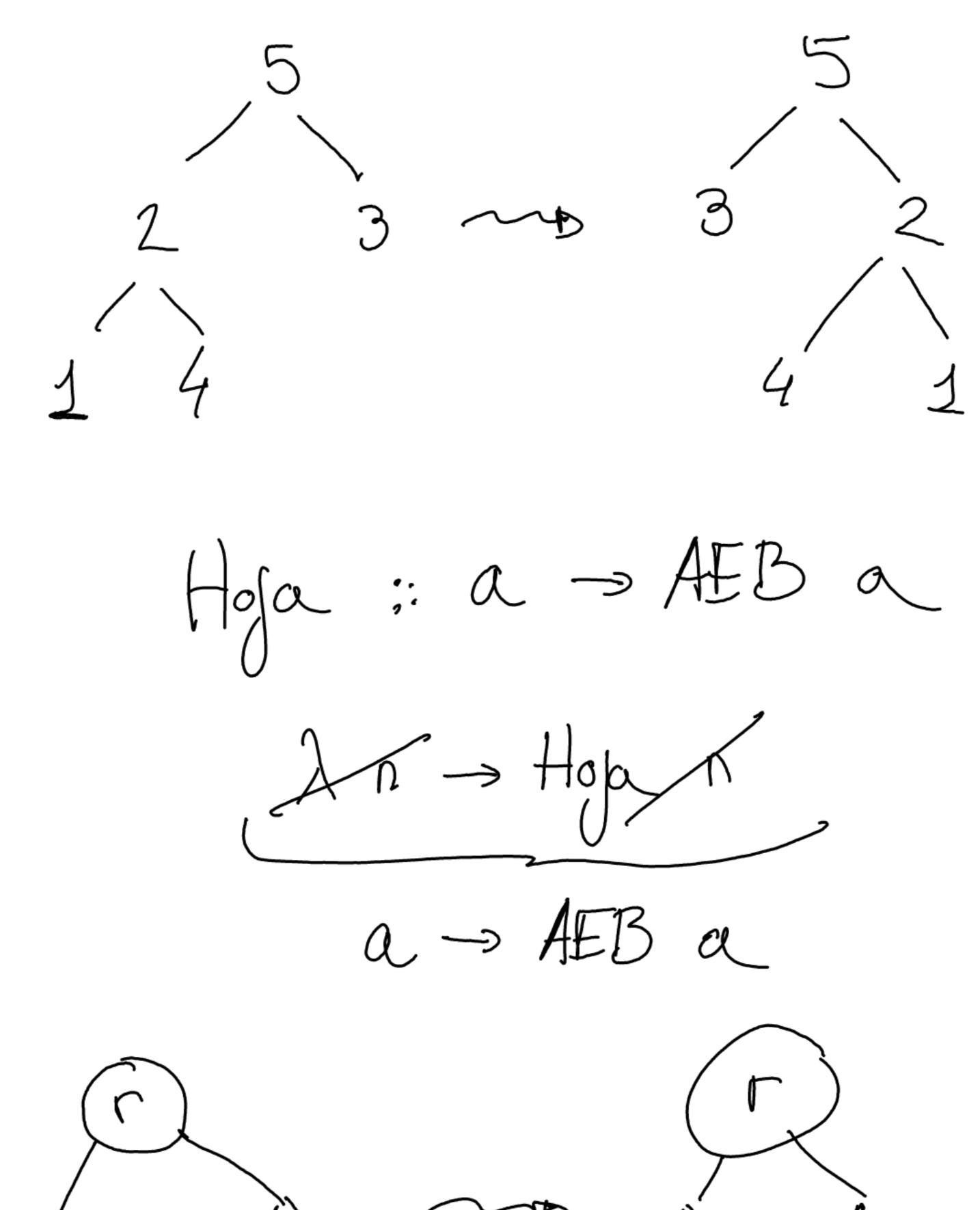
Nil | Cons a $[a]$





cant Nodos: AEB a -> Int cantilodos (Hoja 2) ms 1 count Nodos Z = fold AEB 1+ri+rd) Const 1, Se pueden sacar. 1+ Cantilodos is + contilodos d controlos = foldAEB (const 1) (i - d - 1 + i + d)

espejo :: AEB a - S AEB a espejo = foldAEB Hoja (\ird > Bin dri la es el espejo del árbol izquierdo original.



data AB a = Nil | Bin (AB a) a (AB a) fold AB: b = (b = a - b = b) - AB a - b recrAB:: $b \rightarrow (ABa \rightarrow b \rightarrow a \rightarrow ABa \rightarrow b \rightarrow b) \rightarrow ABa \rightarrow b$ rear AB fill fBin t =

case t of Mil -> fluit Bin i r d -> fBin i (rec i) r d (rec d) where rec = recrAB fNil fBin

data Poli
$$a = X$$
 | Cte a | Scma (Poli a) (Poli a

data RoseTree
$$a = Rose$$
 $a = [RoseTree a]$

fold $RT :: (a \to [b] \to b) \to RoseTree a \to b$

fold $RT :: (a \to [b] \to b) \to RoseTree a \to b$

fold $RT :: (a \to [b] \to b) \to RoseTree a \to b$

fold $RT :: (a \to [b] \to b) \to RoseTree a \to b$

fold $RT :: (a \to b) \to [a] \to [b] \to RoseTree a \to b$

RoseTree $a \to [b] \to [a] \to [b]$

roseTree $a \to [b] \to [a] \to [b]$

RoseTree $a \to b$

RoseTree $a \to$

Lb1, bz.- bn' m: du les: [[[a]]