· 98A

Map o Folor :: ?

map: (a->6) -> [a] -> [b]

Folior: (c->d->d) -> d-> [c] -> d

(o) :: (f->g) -> (e->f) -> e->f

(0) map folor

(a-b)-(a)-(b) e-f ~ (c-d-d)-(d-(c)-d)

f ~ a -> b ~ d -> (c) -> d e ~ (-> d -> 6)

Sum 
$$(x:x) = x + sum xs$$

or  $(x:x) = x + sum xs$ 

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Filter  $p = x + sum xs$ 

Filter  $p = x + sum xs$ 

Filter  $p = x + sum xs$ 

If  $px$  then  $px + sum xs$ 
 $px + sum x$ 

FILTER P = Folor f Z WHERE for = IF px, Then zin elsen or as = Folol g v as WERE

yrx=xllh

sum 
$$25 = Folder f o x$$
where
 $f = ...$ 

= Folor (Azrazer) oxy

DATA MAYBE Q = NOTHING

SAFE HEAD :: [a] >> MAYBE a SAFE HEAD [x:\_) = JOST X SAFE HEAD [] = NOTHING

Foo :: MATBE a -

AMORPHE: TREE b | w -> Tree (hor lar) AMOVATE (LEAF X) = LEAF X
AMOVATE (NOAT L y r) = NOOT L Z r' l' = ANNOTATE L r' = ANNOTATE V 2 = (GETMIN L' 'nim Get Min -SET MAX & max GETTAN A

GETMIN: TREE (INT, INT) INT -> INT GETMIN (LEAR X) = X GETMIN (NONE \_ (M,\_) \_) = M