




benchmark results




for elm-rope

List

	runs / second	goodness of fit
all		
recursive	264,605 	99.01%
not (any (not ...))	251,853 	99.2%
not (any isBad) with let isBad = not ...	249,206 	98.66%
not (any (not << ...))	27,973 	99.1%



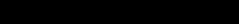
Rope

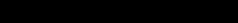
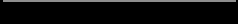

fold -l vs -r	runs / second	goodness of fit
foldl	8,101 	99.13%
foldr	6,909 	98.35%

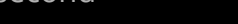

toList	runs / second	goodness of fit
with foldr preserving last list	5,947 	98.75%
with foldr	5,828 	99.49%
with foldl > reverse	5,482 	98.96%

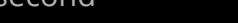


all	runs / second	goodness of fit
not (any (not ...))	367,090 	98.81%
nested	364,212 	99.03%















sum (also applies to product)	runs / second	goodness of fit
nested	22,025 	98.66%
with foldl	8,022 	99.27%
with foldr	6,706 	99.1%

minimum (also applies to maximum)	runs / second	goodness of fit
with nested fold	7,977 	98.75%
with filterMap	4,654 	98.94%
with foldl	3,658 	98.76%
with foldr	3,581 	98.92%

reverse	runs / second	goodness of fit
keep nested	11,147 	98.22%
foldl to flat	7,034 	98.93%
foldr to end to flat	2,607 	98.28%

filter	runs / second	goodness of fit
keep nested	7,471 	99.02%
foldr to flat	5,805 	98.97%
foldl > reverse to flat	5,045 	98.55%
foldl to end to flat	3,495 	99.24%

filterMap	runs / second	goodness of fit
foldr to flat	5,036 	99%
foldl > reverse to flat	4,343 	98.72%
foldl to end to flat	3,128 	98.51%

keep nested	2,239		98.66%
map	runs / second		goodness of fit
keep nested	6,176		98.65%
foldr to flat	5,210		98.82%
foldl > reverse to flat	4,922		98.6%
indexedMap	runs / second		goodness of fit
with foldl > reverse	3,388		99.08%
with foldl to end	2,188		98.83%
concat	runs / second		goodness of fit
nested	175,166		98.89%
with append	33,178		98.7%
with :: fold to Node	27,474		98.96%
concatMap	runs / second		goodness of fit
nested	4,947		99.32%
with :: fold to Node	3,626		98.98%
with append	2,843		98.67%
length	runs / second		goodness of fit
nested	18,189		98.97%
with foldl	9,011		98.76%
with foldr	7,692		98.88%
isEmpty	runs / second		goodness of fit
nested	53,614		99.03%
with foldl	33,021		99.04%
with foldr	16,233		98.81%