



benchmark results

for elm-rope

List

	runs / second	goodness of fit
all		
recursive	100,158 	98.14%
not (any (not ...))	42,397 	98.43%
not (any isBad) with let isBad = not ...	39,953 	98.75%
not (any (not << ...))	20,955 	98.57%





Rope




fold -l vs -r	runs / second	goodness of fit
foldl	2,878 	99.1%
foldr	2,609 	99.33%

toList	runs / second	goodness of fit
with foldr	2,213 	99.54%
with foldr preserving last list	2,211 	99.14%
with foldl > reverse	1,606 	98.91%




all	runs / second	goodness of fit
nested	161,955 	99.09%
not (any (not ...))	159,400 	99.36%



















sum (also applies to product)	runs / second	goodness of fit
with foldl	3,132 	98.92%
nested	2,777 	98.86%
with foldr	2,628 	98.67%

minimum (also applies to maximum)	runs / second	goodness of fit
with nested fold	1,918 	99.34%
with filterMap	1,855 	99.16%
with foldr	1,620 	98.76%
with foldl	1,620 	98.83%

reverse	runs / second	goodness of fit
foldl to flat	2,667 	99.25%
keep nested	2,220 	99.22%
foldr to end to flat	1,362 	99.44%

filter	runs / second	goodness of fit
foldr to flat	1,865 	98.82%
foldl > reverse to flat	1,655 	98.65%
foldl to end to flat	1,513 	99.36%
keep nested	1,332 	98.97%

filterMap	runs / second	goodness of fit
foldr to flat	1,788 	98.9%
foldl > reverse to flat	1,419 	99.46%
foldl to end to flat	1,335 	98.76%

keep nested	1,070		99.08%
map	runs / second		goodness of fit
foldr to flat	1,876		98.76%
foldl > reverse to flat	1,379		99.56%
keep nested	1,216		99.35%
indexedMap	runs / second		goodness of fit
with foldl to end	1,168		98.79%
with foldl > reverse	1,133		98.95%
concat	runs / second		goodness of fit
nested	44,297		98.8%
with :: fold to Node	13,465		98.77%
with append	11,294		99.44%
concatMap	runs / second		goodness of fit
with :: fold to Node	1,381		99.27%
with append	1,015		99.29%
nested	903		99.23%
length	runs / second		goodness of fit
with foldl	3,273		98.72%
with foldr	2,741		98.9%
nested	2,142		98.91%
isEmpty	runs / second		goodness of fit
nested	19,353		99.46%
with foldl	7,552		98.77%
with foldr	5,310		99.05%