





benchmark results

for elm-rope

List

	runs / second	goodness of fit
all		
recursive	364,098 	99.13%
not (any (not ...))	356,854 	98.83%
not (any isBad) with let isBad = not ...	351,132 	98.87%
not (any (not << ...))	40,450 	98.12%

Rope





	runs / second	goodness of fit
foldl		
nested	13,859 	98.8%
custom	13,316 	98.44%
custom with module-level helper	7,975 	98.8%




	runs / second	goodness of fit
foldr		
custom with module-level helper	11,039 	99.13%
nested	10,362 	98.9%
custom	10,163 	98.43%

	runs / second	goodness of fit
toList		
with foldr preserving last list	9,788 	99.02%
with foldr	9,435 	98.9%
with foldl > reverse	9,411 	98.8%

















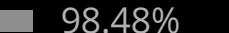
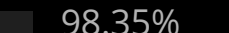
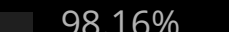

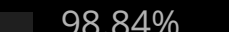
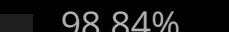
	runs / second	goodness of fit
all		
nested	4,271,458 	99%
not (any (not ...))	3,417,775 	98.98%

	runs / second	goodness of fit
sum (also applies to product)		
nested	35,452 	98.74%
with foldl	12,018 	98.98%
with foldr	9,597 	98.97%

	runs / second	goodness of fit
minimum (also applies to maximum)		
with nested fold	12,387 	98.53%
with filterMap	7,348 	98.83%
with foldr	6,518 	98.96%
with foldl	6,321 	98.63%

	runs / second	goodness of fit
reverse		
keep nested	20,227 	99.02%
foldl to flat	11,538 	98.84%
foldr to end to flat	4,789 	99.2%

	runs / second	goodness of fit
filter		
keep nested	13,133 	98.54%
foldr to flat	10,528 	98.97%
foldl > reverse to flat	9,161 	98.33%

foldl to end to flat	6,237		98.84%
filterMap	runs / second		goodness of fit
foldr to flat	8,774		98.47%
foldl > reverse to flat	8,100		97.89%
foldl to end to flat	6,184		98.14%
keep nested	3,832		99.32%
map	runs / second		goodness of fit
keep nested	11,252		99.55%
foldl > reverse to flat	8,909		98.07%
foldr to flat	8,881		98.98%
indexedMap	runs / second		goodness of fit
with foldl > reverse	6,363		98.52%
with foldl to end	4,541		98.29%
concat	runs / second		goodness of fit
nested	303,195		99.25%
with append	59,190		98.44%
with :: fold to Node	45,031		99.11%
concatMap	runs / second		goodness of fit
nested	7,723		98.98%
with :: fold to Node	6,402		99.45%
with append	4,047		99.21%
length	runs / second		goodness of fit
nested	28,320		98.48%
with foldl	14,042		98.35%
with foldr	11,872		98.16%
isEmpty	runs / second		goodness of fit
nested	76,195		98.79%
with foldl	61,087		98.84%
with foldr	25,680		98.84%