







benchmark results




for elm-rope

List

all	runs / second	goodness of fit
recursive	222,266 	98.73%
not (any (not ...))	110,853 	97.93%
not (any isBad) with let isBad = not ...	97,342 	99.17%
not (any (not << ...))	52,087 	99.31%





Rope




fold -l vs -r	runs / second	goodness of fit
foldl	8,566 	99.07%
foldr	7,287 	99.22%





toList	runs / second	goodness of fit
with foldr preserving last list	6,603 	98.9%
with foldr	6,347 	96.78%
with foldl > reverse	4,485 	98.57%




all	runs / second	goodness of fit
nested	431,954 	99.25%
not (any (not ...))	404,586 	99.08%

sum (also applies to product)	runs / second	goodness of fit
with foldl	8,513 	99.4%
nested	7,479 	97.87%
with foldr	6,898 	99.63%

minimum (also applies to maximum)	runs / second	goodness of fit
with nested fold	5,536 	99.37%
with filterMap	4,778 	95.63%
with foldl	4,390 	99.08%
with foldr	4,277 	99.34%

reverse	runs / second	goodness of fit
foldl to flat	7,829 	98.38%
keep nested	6,747 	98.53%
foldr to end to flat	4,246 	98.55%

filter	runs / second	goodness of fit
foldr to flat	5,394 	97.84%
foldl > reverse to flat	4,552 	98.11%
foldl to end to flat	4,251 	98.74%
keep nested	3,639 	96.43%

filterMap	runs / second	goodness of fit
foldr to flat	5,243 	98.9%
foldl > reverse to flat	4,438 	98.79%
foldl to end to flat	3,998 	99.42%

keep nested	2,005	<div><div></div><div></div></div>	96.36%
map	runs / second		goodness of fit
foldr to flat	5,147	<div><div></div><div></div></div>	95.36%
foldl > reverse to flat	4,593	<div><div></div><div></div></div>	98.16%
keep nested	3,327	<div><div></div><div></div></div>	98.49%
indexedMap	runs / second		goodness of fit
with foldl > reverse	3,586	<div><div></div><div></div></div>	95.29%
with foldl to end	3,472	<div><div></div><div></div></div>	98.49%
concat	runs / second		goodness of fit
nested	122,734	<div><div></div><div></div></div>	98.57%
with :: fold to Node	35,996	<div><div></div><div></div></div>	98.76%
with append	33,978	<div><div></div><div></div></div>	98.7%
concatMap	runs / second		goodness of fit
with :: fold to Node	3,985	<div><div></div><div></div></div>	97.02%
with append	3,016	<div><div></div><div></div></div>	98.12%
nested	2,830	<div><div></div><div></div></div>	98.54%
length	runs / second		goodness of fit
with foldl	8,452	<div><div></div><div></div></div>	97.48%
with foldr	7,277	<div><div></div><div></div></div>	99.33%
nested	6,681	<div><div></div><div></div></div>	99.85%
isEmpty	runs / second		goodness of fit
nested	46,943	<div><div></div><div></div></div>	97.02%
with foldl	23,417	<div><div></div><div></div></div>	98.49%
with foldr	14,001	<div><div></div><div></div></div>	98.81%