







benchmark results




for elm-rope



List

all	runs / second	goodness of fit
recursive	115,716 	98.3%
not (any isBad) with let isBad = not ...	60,697 	99.35%
not (any (not ...))	58,268 	98.89%
not (any (not << ...))	30,211 	98.51%





Rope




fold -l vs -r	runs / second	goodness of fit
foldl	6,564 	98.83%
foldr	5,620 	99.11%





toList	runs / second	goodness of fit
with foldr	5,332 	99.17%
with foldr preserving last list	5,223 	99.14%
with foldl > reverse	3,474 	98.49%




all	runs / second	goodness of fit
nested	334,089 	99.17%
not (any (not ...))	261,089 	98.31%



















sum (also applies to product)	runs / second	goodness of fit
nested	6,586 	98.09%
with foldl	6,465 	98.69%
with foldr	5,711 	98.85%

minimum (also applies to maximum)	runs / second	goodness of fit
with nested fold	4,241 	98.29%
with filterMap	3,894 	99%
with foldl	3,580 	98.25%
with foldr	3,489 	98.79%

reverse	runs / second	goodness of fit
foldl to flat	5,669 	98.42%
keep nested	4,865 	99.17%
foldr to end to flat	2,842 	99.41%

filter	runs / second	goodness of fit
foldr to flat	4,432 	99.59%
keep nested	4,383 	99.71%
foldl > reverse to flat	3,650 	99.03%
foldl to end to flat	3,640 	98.34%

filterMap	runs / second	goodness of fit
foldr to flat	4,025 	99.52%
foldl > reverse to flat	3,208 	99.69%
foldl to end to flat	2,797 	99.25%

keep nested	1,231		98.76%
map	runs / second		goodness of fit
foldr to flat	4,178		99.14%
keep nested	3,982		99.33%
foldl > reverse to flat	3,043		99.11%
indexedMap	runs / second		goodness of fit
with foldl > reverse	2,486		98.35%
with foldl to end	2,188		99.39%
concat	runs / second		goodness of fit
nested	144,076		99.15%
with :: fold to Node	27,445		99.48%
with append	26,955		99.25%
concatMap	runs / second		goodness of fit
with :: fold to Node	2,735		99.3%
nested	2,527		98.9%
with append	1,852		99.51%
length	runs / second		goodness of fit
nested	8,148		98.25%
with foldl	6,551		99.44%
with foldr	6,493		98.26%
isEmpty	runs / second		goodness of fit
nested	31,811		99.44%
with foldl	20,850		98.74%
with foldr	13,942		98.13%