## benchmark results

fold| > reverse to flat 6,224

4,657 ▮

foldl to end to flat

## for elm-rope List all runs / second goodness of fit recursive 277,659 99.38% not (any isBad) with let isBad = not ... 270,058 99.71% 269,773 99.48% not (any (not ...)) 99.61% not (any (not << ...)) 31,285 Rope fold - vs -r runs / second goodness of fit foldl 10,007 99.6% foldr 8,286 99.55% toList runs / second goodness of fit with foldr preserving last list 7,965 ■ 99.51% with foldr 7,803 | 99.46% with foldl |> reverse 7,554 99.64% all runs / second goodness of fit 434,933 nested 99.49% not (any (not ...)) 410,227 99.55% sum (also applies to product) runs/second goodness of fit 27,795 nested 99.62% with foldl 9,937 99.58% with foldr 8,286 99.58% minimum (also applies to maximum) runs / second goodness of fit with nested fold 10,547 98.76% with filterMap 6,430 99.57% with foldr 5,346 99.65% with foldl 5,290 99.57% runs / second goodness of fit reverse keep nested 16,994 ■ 98.85% foldl to flat 99.51% 9,609 foldr to end to flat 3,841 99.72% filter runs / second goodness of fit 10,292 keep nested 99.52% foldr to flat 7,664 99.4% fold| > reverse to flat 6,812 99.35% foldl to end to flat 99.42% 5,025 filterMap runs / second goodness of fit foldr to flat 6,893 I 99.66%

99.69%

99.63%

keep nested		1,872		99.48%
map keep nested foldr to flat foldl  > reverse to flat		runs / secon 9,089 6,884 at 6,728	d	goodness of fit 98.67% 99.44% 99.5%
indexedN with foldl with foldl t	> reverse	runs / second 4,772 3,173	-	goodness of fit 99.64% 99.56%
concat nested with append with :: fold to Node		runs / second 253,607 48,700 39,288		goodness of fit ■ 99.57% ■ 99.6% ■ 99.61%
concatMap nested with :: fold to Node with append		runs / second 6,360 5,266 4,323		goodness of fit 98.99% 99.52% 99.43%
length nested with foldl with foldr	21,052 <b>1</b> 1,197 <b>1</b>	ond	goodness 99.54% 99.58% 99.44%	s of fit
isEmpty nested with foldl with foldr	58,508 ■ 43,014 ■	ond	goodness 99.72% 99.55% 99.72%	s of fit