# Ошибки стиля и улучшение стиля

Большие буквы означают конструкции языка (выражения, гарды и т.п.)

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| --- | --- |
| Странный стиль | Пишут так |
| and [a `mod` c == 0, b `mod` c == 0] | a `mod` c == 0 && b `mod` c == 0 |
| sum [ product[b, b], product [(-4), a, c] ] | b\*b - 4\*a\*c |
| [ ]++XS | XS |
| [X]++XS | X:XS |
| [X]++[Y]++YS [X,Y]++YS | X:Y:YS |
| concat[[X], [Y], YS] | X:Y:YS |
| concat[X, Y ,Z] | X++Y++Z |
| foldl (+) 0 или foldr (+) 0 | sum |
| foldl (\*) 1 или foldr (\*) 1 | product |
| any (==x) xs или and (map (==x) xs) | x `elem` xs |
| F P = if C then True else False | F P = C |
| F P | C = True  | otherwise = False | F P = C |
| F P = if C then True else E | F P = C || E |
| F P | C = True  | otherwise = E | F P = C || E |
| F P = if C then False else E | F P = (not C) && E |
| F P | C = False  | otherwise = E | F P = (not C) && E |
| F P = if C then E else False | F P = C && E |
| F P | C = E  | otherwise = False | F P = C && E |
| f ns ms | null ns || null ms = Е  | …head ns … head ms… =   …head ns … head ms…  …tail ns … tail ms…  | …head ns … head ms… =   …head ns … head ms…  …tail ns … tail ms… | f [ ] ms = Е f ns [ ] = Е f (n:ns) (m:ms)  | …n… m… = …n… m… …ns…ms…  | …n… m… = …n… m… …ns…ms… |
| f m n | aa(bb(cc(dd n)))>aa(bb(cc(dd m))) =n  | otherwise =m | f m n | f n > f m =n  | otherwise =m  where f x = aa(bb(cc(dd x))) |
| inRng a b xs = filter (pr a b) xs  where pr a b x = (x >= a) && (x <= b) | inRng a b xs = filter (pr) xs  where pr x = (x >= a) && (x <= b) |
| filter (==x) ys == [] | x `notElem` xs |