Cryptol version 2	Cryptol version 1	Summary
`[ False, True, True ] (==3)`	`[ False True True ] (== 6)`	Big-endian word representation
`[ 1, 1, 2, 3, 5 ]`	`[ 1 1 2 3 5 ]`	Commas separate sequence entries
`x = 1`	`x = 1;`	Uses *layout* instead of ;'s and {'s
`[ x | x <- [1 .. 10] ]`	`[| x || x <- [ 1 .. 10] |]`	Cleaner sequence constructor syntax
`f : {a,b} a -> b`	`f : {a b} a -> b`	Commas separate type variables
`take‘{1} xs`	`take(1, xs)`	First-class type parameters
`x ^^ 2`	`x ** 2`	`^^` for exponentiation
`<| x^^2 + 1 |>`	`<| x^2 + 1 |>`	Polynomial exponentiation now uniform
`[0 ..]:[_][8]`	`take(255, [0 ..]:[inf][8])`	Both produce `[0 .. 255]`
`[0 ...]:[inf][8]`	`[0 ..]:[inf][8]`	Both produce `[0 .. 255]`(repeated)
`[9, 8 .. 0]`	`[9 -- 0]`	Step defines decreasing sequences
`&&, ||, ^`	`&, |, ^`	Boolean operator syntax
`(1,2,3).0 (== 1)`	`project(1,3,(1,2,3)) (==1)`	Tuple projection syntax (and 0-based)
`property foo xs=...`	`theorem foo: {xs}. xs==...`	Properties replace theorems (see below)