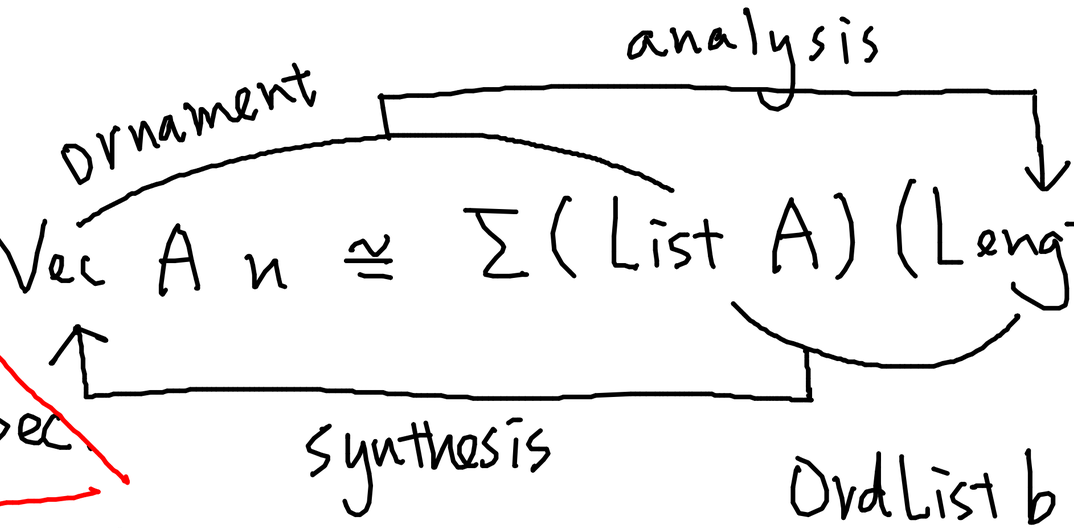
Internalism



Externalism

type-directed programming for discharging rel. spec

composability for organising DT DSs

$\Sigma (f : Nat \to List\ Coin)$

$f \subseteq \min R \cdot \Lambda (\| S D^\circ \supseteq (\| \min Q \cdot \Lambda T^\circ D^\circ$

$f : (n : Nat) \to GreedyList\ n$

relational algebraic ornamentation

$GreedyList\ n \cong \Sigma (xs : List\ Coin)\ (\| \min Q \cdot \Lambda T^\circ D\ xs\ n$

completeness of rel. alg. orn.

⇑ equivalence bet. Orn_D and $RAlg\ D$

$OrdList\ b \cong \Sigma (List\ A)\ (Ordered\ b)$

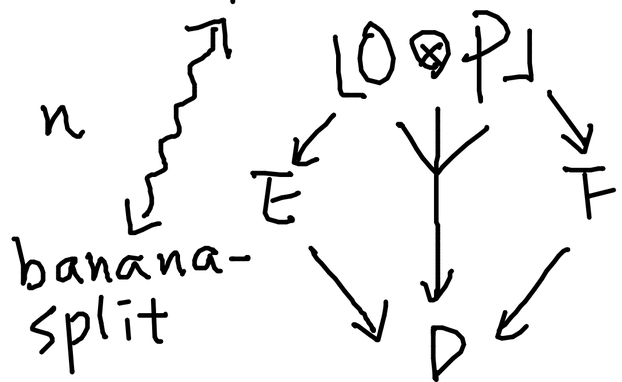
refinements & upgrades

$OrdVec\ b\ n \cong \Sigma (List\ A)$

$(Ordered\ b \times Length\ n)$

⇑ parallel composition of ornaments

⇓ (with sing. orn.) optimised predicates



banana-split

- orn. conv. iso.
- modularity iso.