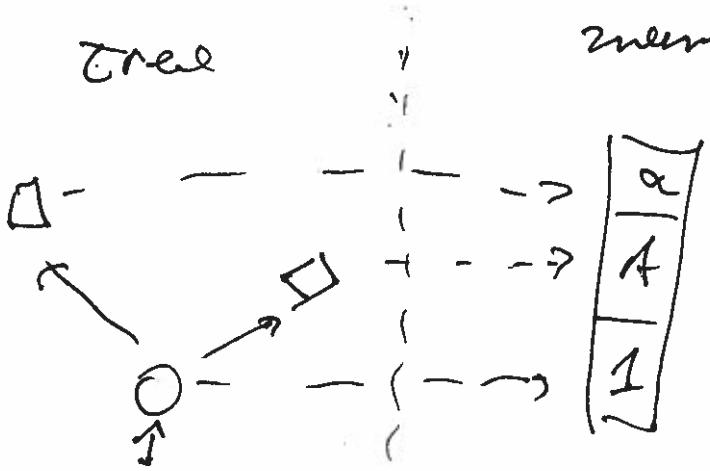


this = algebraic
cont = ∞-alg.

---

① $\oplus$ on Labels $\Rightarrow$ $\oplus$ on memory? no order?

② concrete story of $\mathbb{N}$ memory $\oplus$ is concat, etc

$\Rightarrow A \oplus B \simeq B \oplus A$

...

$a^{L_1+L_2} = a^{L_1} \cdot a^{L_2}$

$a^{L_1 \times L_2} = (a^{L_1})^{L_2}$

$a^{L_1^{L_2}} = ??$

data $A = A$

data $B = B$

$C\,x \mid D\,x$

$D\,x \mid C\,x$

's are on "visible label" side of world.

!! -> set occurs in C.S. too.

don't assume Dec ≡

Label : Type.

a : Type data

can extract.

memory ?= Label → a.

class for memory lookup
virtual "
? ?

split /staged story

1. visible labels
2. invisible labels

label invariance
Label' : Set
Label' → Label
↳ pre compose.
justify: injection.

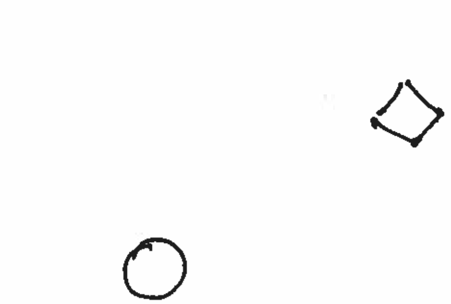
label ~ abstract ptr
~ Java ref.

memory realization / grounding? / concretization

Label → pointer

Label → a
⇓
Ptr → a
⇓?
~~N+ → a (as array?)~~

design: not ordered



α
A
a
1