Kon extensions ~ complete $\lim_{x \to \infty} (f)(a) = \int_{-\infty}^{\infty} sup f(x) = \int_{-\infty}^{\infty} f(x) dx$ If C is cowylite but A is larger. This is theating. Publer 1 Solution B(f-, -) is small. A'CA, then the externa If s her (ority) $\lim_{g \to g} f_{ij} = \lim_{g \to g} \left(\lim_{g \to g} f_{ij} \right) = \lim_{g \to g} \left(f_{ij} \right) - \lim_{g \to g} \left(f_{ij} \right) = \lim_{g \to g} \left($

AFT A fragere climbs.

Au r: lan 1 - lan \$\frac{1}{f}\$ o lan \$f\$

Suther set endites

\$\begin{align*}
\text{Suther set} \\
\text{endites}
\end{align*}

"Robeitury"

compare of the compare

1

(1) Axiomatizing Mon

-Lots of implicit operations.

- W: Mon -> Set

- Not (un, um).

(x) Not (un, um) = Mon (Fm, Fn).

(2) $T = \sum_{n,m} u^m = Nat(u^m, u^m).$

- (*) => IT has products.

- Equality between compositions axio motive peretions.

Equations.

(3) Functorial Sementics

· Prod (T, Set)

Kind in this very quial restrict for cosh via F(1)

What about the other fraction?

Kinaction?

· Well The merve.

· Multisorted!

(4) Projection of Md(T). - Prod(tt, let) commits. - Hes a donse generator. "rifted colinits" - it is closed under directed estimis & reflexive Of ref cong Def der clim / fittered - Mention Borr - Beck D-> 12 is (c) final (Prop Cotegoria with finte products one conflet). Commitation of limits and colints. . Representables over "try" -. It is complete -, into to the social #(axb) -> faxfb "Interpretation of thorres"