

#2.

Supis meeting 9/14.

10am. wty. time

topics: ① homological / homotopical algebra

② Higher Algebra - nice

↳ internal alg. structures in ∞ -cats.

ntab: regular algebra

• universal algebra \rightsquigarrow generalization to ∞ -world?

} - Groth paper.

• history of homological algebra

~~Germann stuff~~

- Ext/Tor...

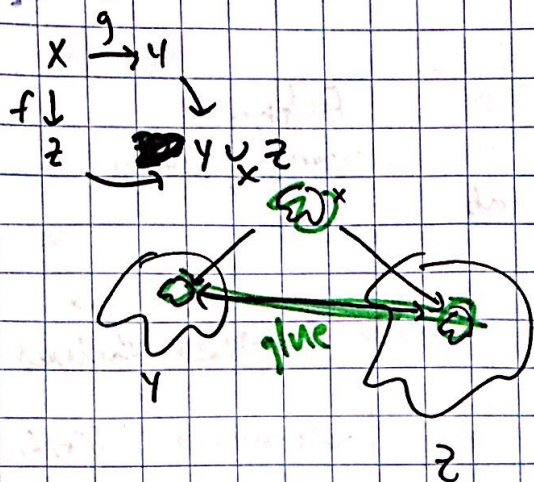
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• monochromatic layer. \rightarrow didn't read too much.
b/c seemed too much.

③.
Q: - What role does stable ∞ -cat play in lwy theory?

difference between model and cat

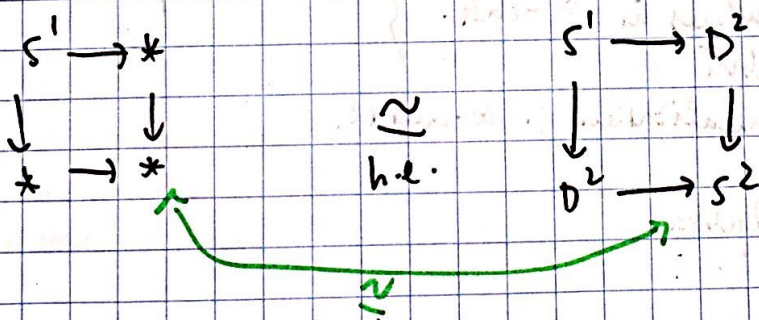
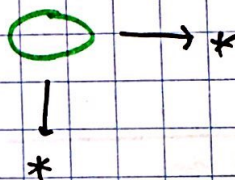
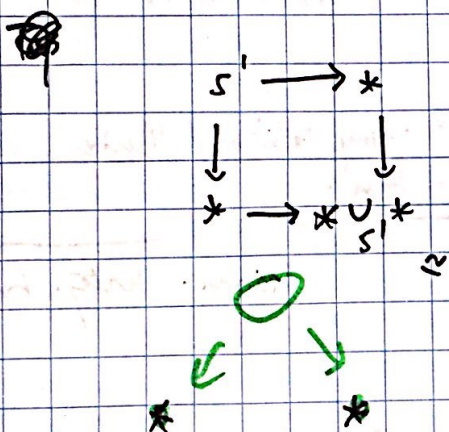
ω-cat, model



$$Y \cup_X Z = \left\{ \frac{y}{x} \right\}$$

$$= \left\{ p \in Y \cup_X Z : \begin{array}{l} p = f(x) \\ p = g(y) \end{array} \right\}$$

$$f(x) = g(y) \quad \forall x \in X$$



Let I be a 'diagram' category & \mathcal{C} be a category.

Let $\text{Fun}(I, \mathcal{C}) - \text{ob} = \{f: I \rightarrow \mathcal{C}\} = \{I\text{-shaped diagrams in } \mathcal{C}\}$.

h.e.

