Transcendental Operations

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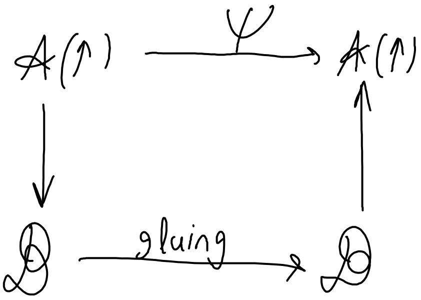
10:27 AM

4T/6T are not "local" (also XII)
STU, IHX are.

$\vec{A}^{vt}$ is almost local; I wish I knew how to get rid of the acyclicity condition.

$\vec{A}^{wt}$ is local.

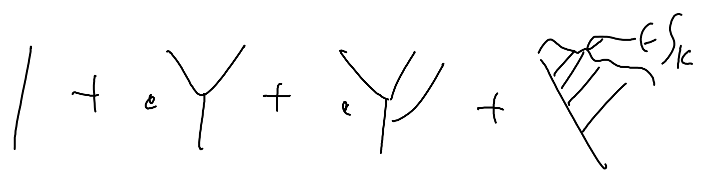
Is the Århus/LMO map $\mathcal{A}(\uparrow) \to \mathcal{A}(\emptyset)$ induced by something global?



Is there a global interpretation for these Ψ operations?

In particular, "glue just one strut" is a map $\mathcal{A}_n(\uparrow) \longrightarrow \mathcal{A}_{n-1}(\uparrow)$. What is it? Can it be computed/defined with less than the full PBW machine?

Will it be fun to compute the PBW tree combination?



(presumably the coeffs will have something to do with the descent of σ)

When facing a complicated operation, the trick, often, is not to compute it but rather understand the complete "algebra" of such operations.

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There is a canonical map $\mathcal{A}(\uparrow) \to \mathcal{A}(\uparrow\circ)$. What is it an what does it mean? What is $\mathcal{A}(\uparrow\circ)$?

Funny, this is the space of "link relations".