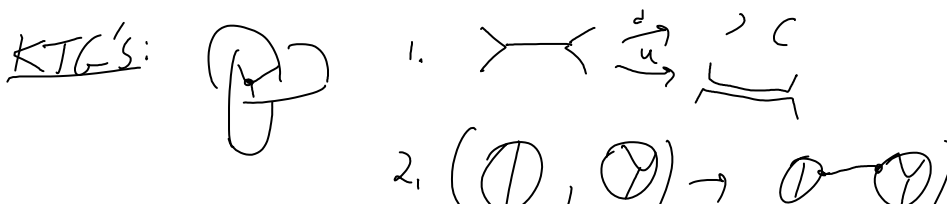
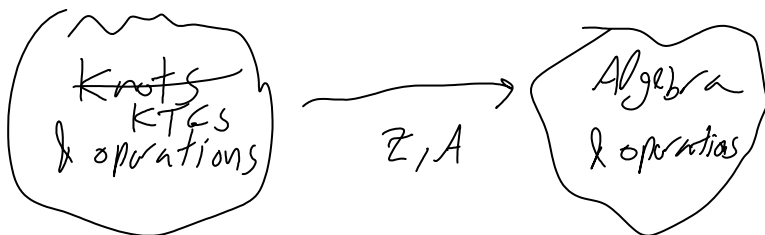


Why am I doing this?

1. Fame and glory.
2. I never understood quantum groups, maybe one day I will.
3. Get computable, powerful knot invariants.
explain explain

Computable:

Powerful: Form an "Algebraic Knot Theory":



I. Finitely presented! II. Expressive language!

Approaches: 1. Quantum groups: a. I don't understand. b. Not computable.

2. Expansions a. Exists? This is "associators". b. Not computable.
 $Z: KTG \rightarrow \text{proj } KTG$
... I ...

3. "Internal ideals" - plenty exist, more than "groups", none so far is useful. [though this is not a dead end!]

4. $KTG \hookrightarrow WKTG, VKTG$
 1. $A: KTG \hookrightarrow WKTG \xrightarrow{Z} A^W$

works great, but for honest knots, limited
to the Alexander poly. [More for links]

$$2. \quad A: KTG \hookrightarrow VKTG \xrightarrow{?} A^u$$

Many potentially useful quotients, many
more than just "quantum groups".