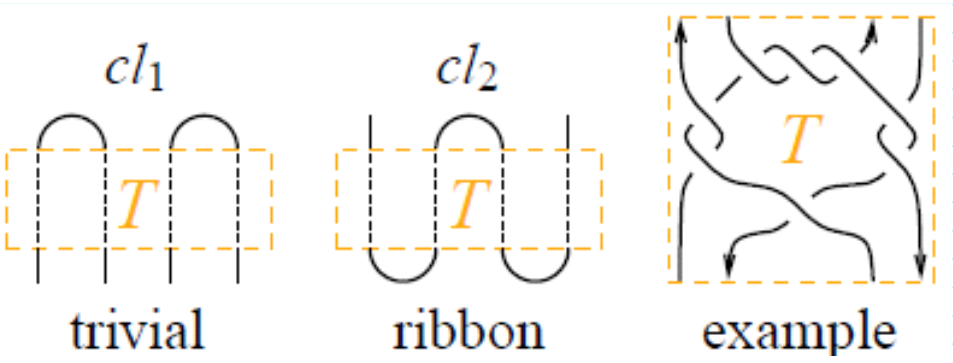
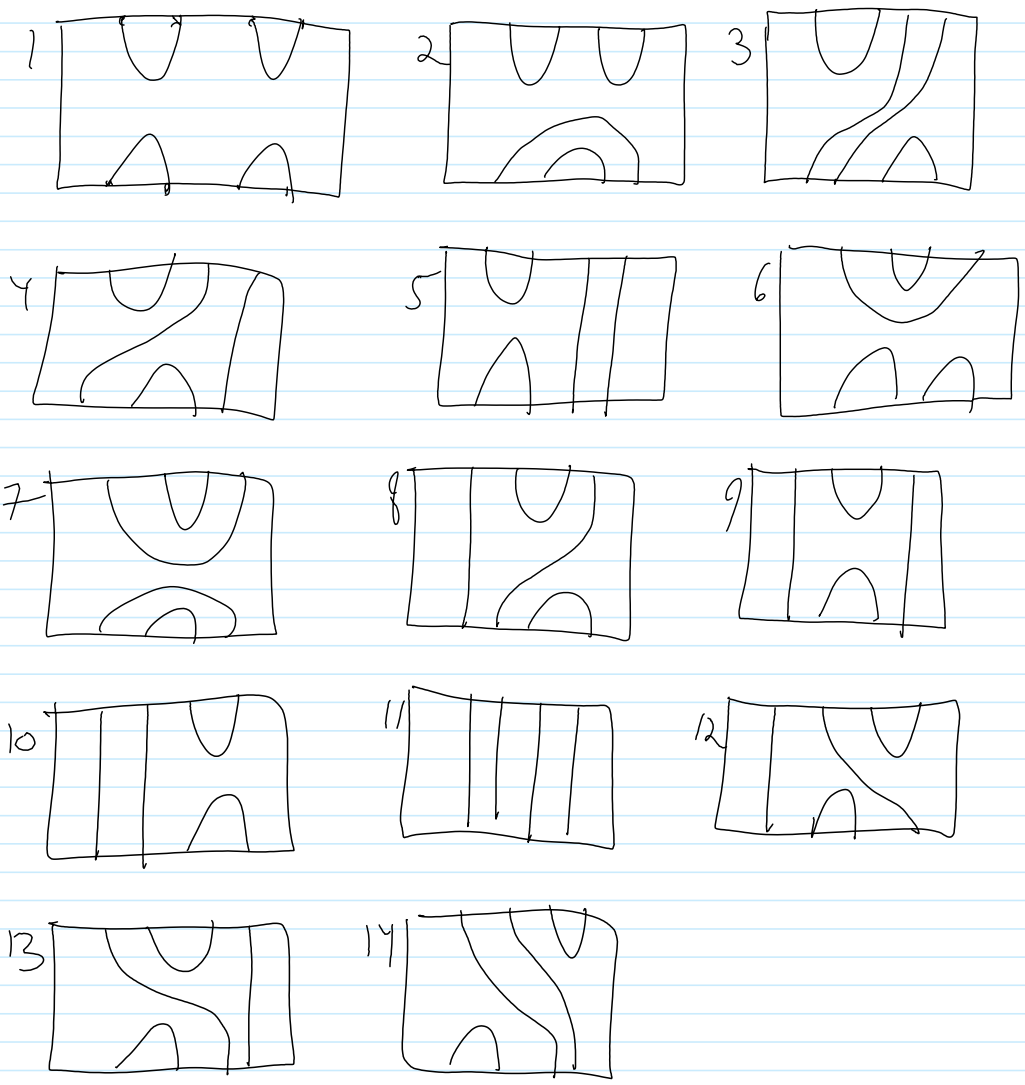
A Jones AKT?

February-22-15 7:51 PM





Given

$$(q+\bar{q})^2 a_1 + (q+\bar{q})(a_3+a_5+a_6+a_{10}+a_{14}) + a_8 + a_{11} + a_{13} = 1$$

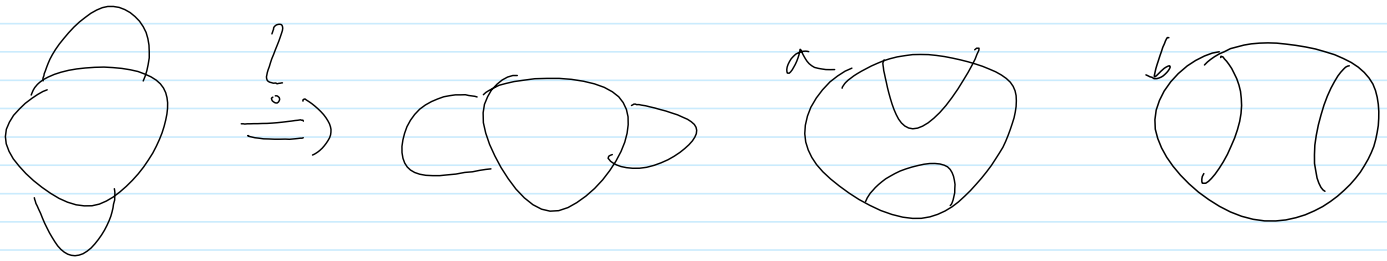
$$(q+\bar{q})^2 a_2 + (q+\bar{q})(a_4+a_7+a_{12}) + a_9 = 0$$

What can be said about

$$(q+\bar{q})^3 a_4 + (q+\bar{q})^2 (a_1 + a_7 + a_8 + a_{13}) + (q+\bar{q})(a_2 + a_3 + a_5 + a_9 + a_{10} + a_{14}) + (a_4 + a_{11} + a_{12})$$

?

The even earlier possibility:



Given $(q+\bar{q})a + b = q+\bar{q}$, what can be said about $a + (q+\bar{q})b$?

$da + b = d$ $\quad da + d^2 b = df$ $\quad b = d\frac{f-1}{(d-1)(d+1)}$

$a + db = f$ $\quad (d^2-1)b = df - d$

$a = d - \frac{f-1}{d^2-1}$

$\Rightarrow f$ must be divisible by (d^2-1) ?

Compare with Eisermann & Mizuma ?