

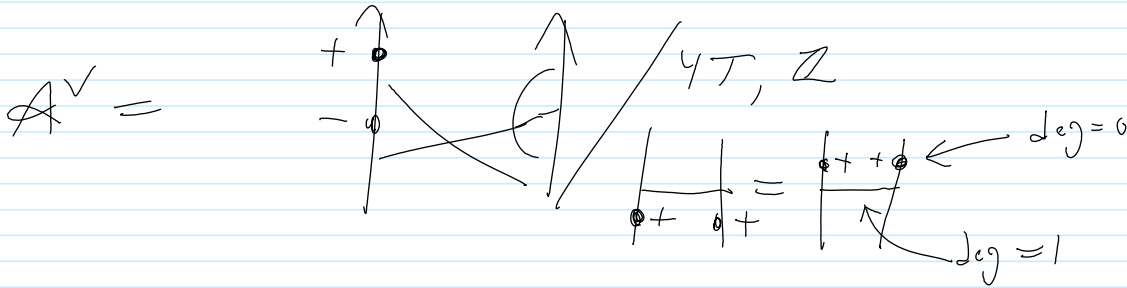
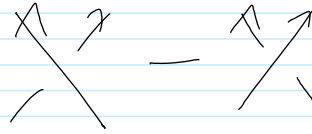
# Annular Tangles

February-07-15 10:40 AM

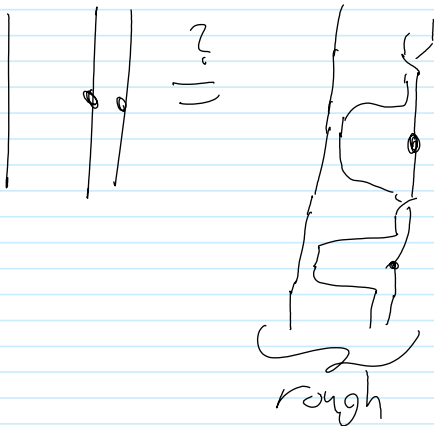
Understanding  $\mathcal{A}(\mid_h)$

$$\mathcal{A}^V \rightarrow \mathcal{A}^Q \rightarrow \mathcal{A}^G$$

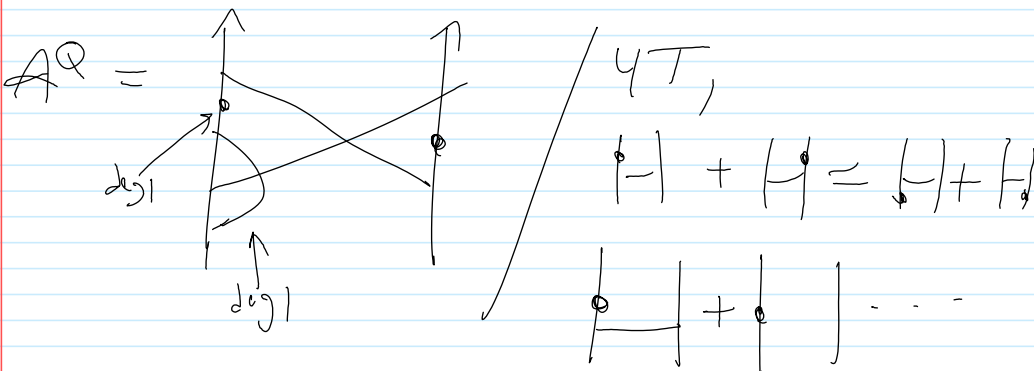
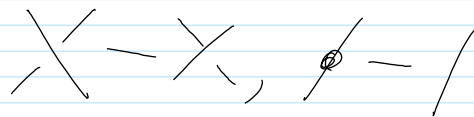
The Vassiliev Filtration:



I'm not sure if there is an expansion?

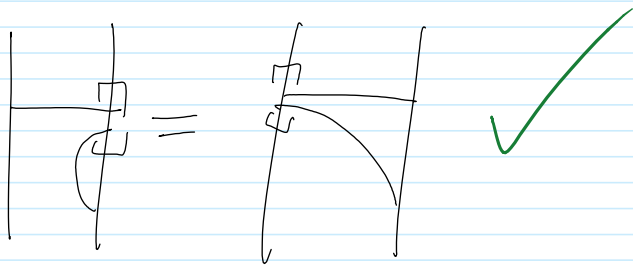
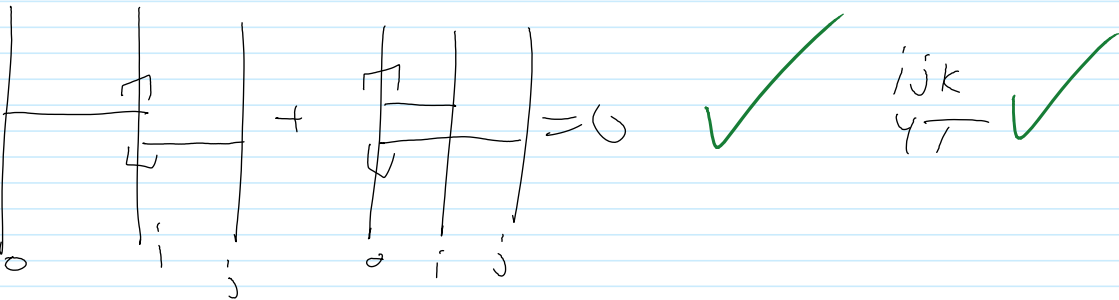
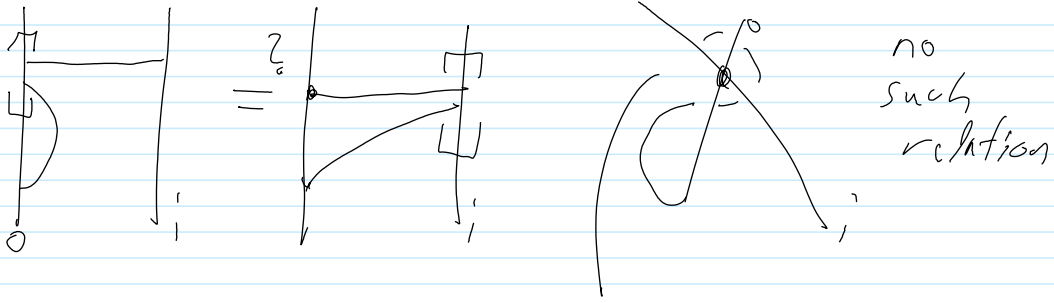


The Quillen Filtration

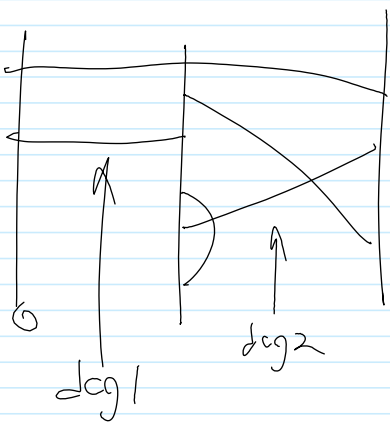
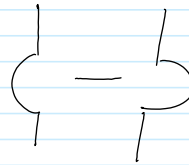


Really this is  $\mathcal{A}(T_{\dots})$  minus  $\uparrow$

Really this is  $A(T_{n+1})$ , minus (not mod!)  $\uparrow$   
 $\downarrow$   
 $0$



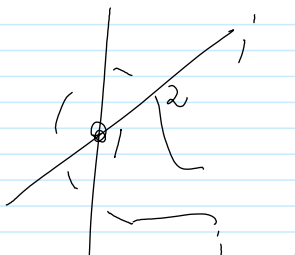
The Goussarov filtration



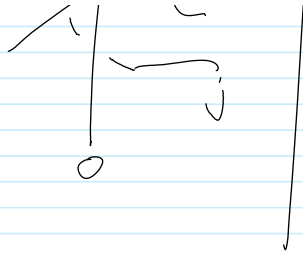
0-strand commutes

$\mathbb{Z}/2$   
 $\mathbb{Z}/2$  space.

relations:



Precisely,



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maps  $K(1, \uparrow^n) \leftrightarrow K(\uparrow^n) ?$