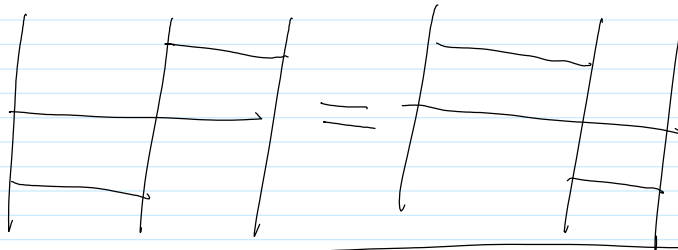# Scratch

Dec 5 notes:

1. Describe a planar algebra of fundamental groups of shielded tangles.
   Does it generalize to 2-tangles?
2. Add a monoblog entry about Winter's "failure of Satoh injectivity".

$$\sigma_{ij} \mapsto \begin{cases} x_i \mapsto q x_i q^{-1} \\ x_j \mapsto x_i^{-1} q^{-1} x_j q x_i \end{cases}$$

Project. F.T. invariants of fixed-linking-numbers to: knots, tangles, braids. A Goussarov perspective?