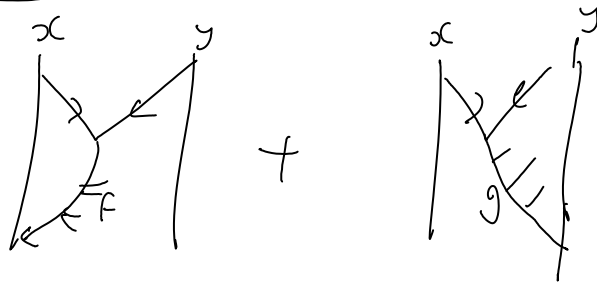


2 strands

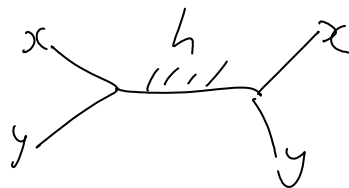
Problem Compute α^{-1} on



Precisely, assume f & $g \in \mathbb{Q}\langle x, y \rangle$ satisfy

$$xf - yg = 0$$

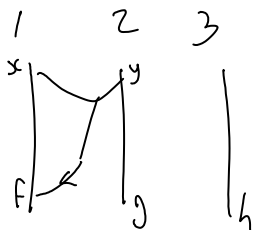
Find h s.t.



$$yh = f \quad xh = g$$

$$\Rightarrow \text{take } h = \frac{f}{y} = \frac{g}{x}$$

3 strands



$f_{12}, f_{21}, f_{23}, f_{32}, f_{31}, f_{13}, g_{12}, g_{21}, g_{23}, g_{32}, g_{31}, g_{13}, h_{12}, h_{21}, h_{23}, h_{32}, h_{31}, h_{13}$

satisfy

$$xf_{12} + yg_{12} + zh_{12} = 0$$

$$xf_{23} + yg_{23} + zh_{23} = 0$$

$$xf_{31} + yg_{31} + zh_{31} = 0$$

IHX:

Find m_{ijkl} s.t.

$$f_{12} = ym_{1212} + zm_{1312} \quad \text{etc.}$$

\Rightarrow looks like solving linear equations.