Problem compute $x^{-1}$ on

2 strands

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

$$x f - y g = 0$$

Find $h$ s.t.

$$y h = f \quad x h = g$$

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

3 strands

$IH$: $f_{12} y_{21} f_{22} f_{23} h_{21} h_{23} h_{12}$ satisfy

$$x f_{12} + y g_{12} + z h_{12} = 0$$

$$x f_{23} + y g_{23} + z h_{23} = 0$$

$$x f_{31} + y g_{31} + z h_{31} = 0$$

Find $m_{i j k l}$ s.t.

$$f_{12} = y m_{1212} + z m_{1312} \quad \text{etc.}$$

$\implies$ looks like solving linear equations.