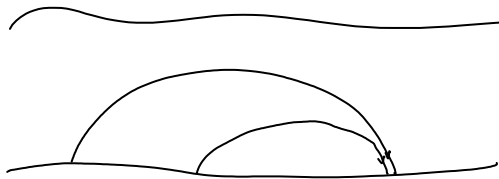
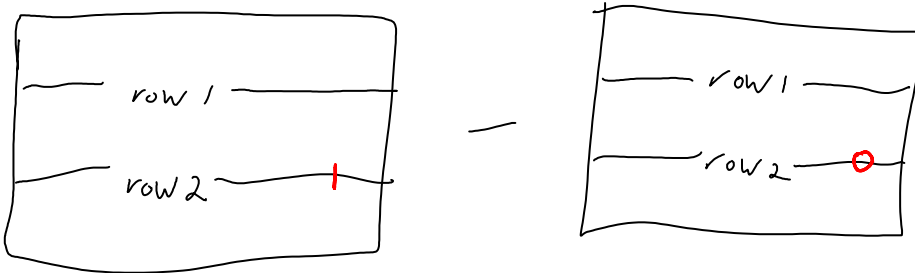
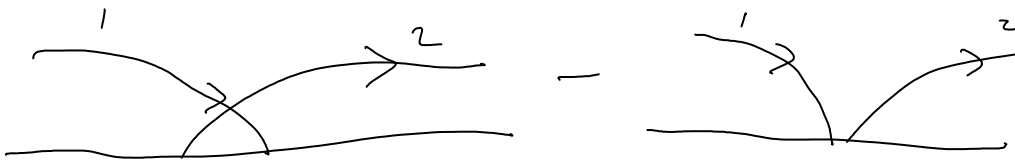
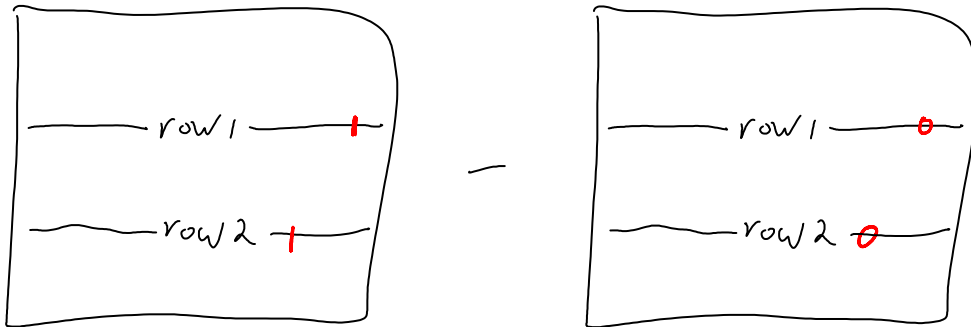
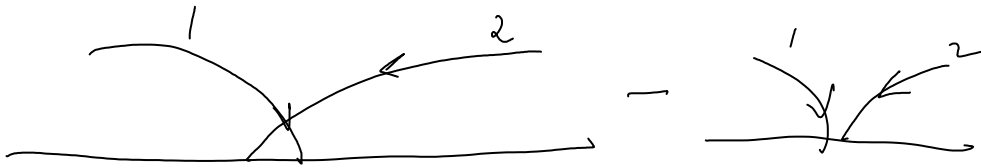


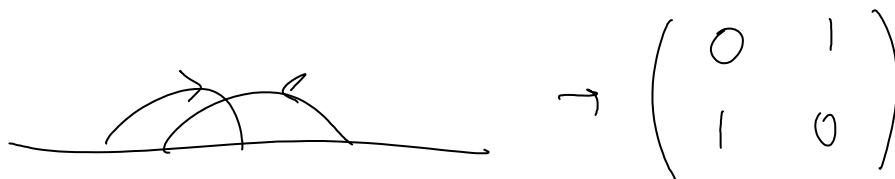
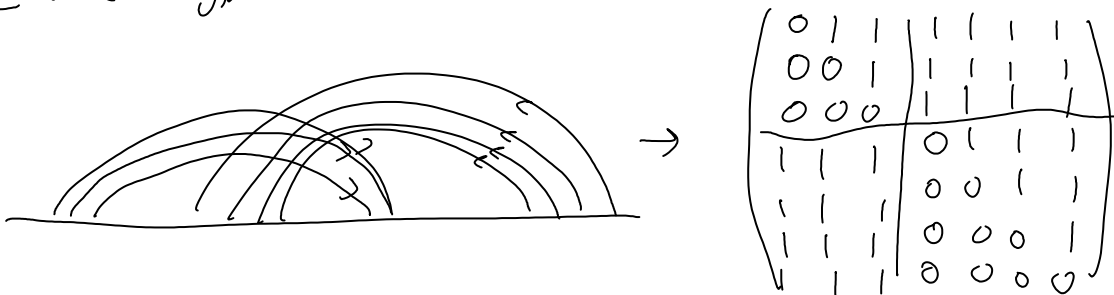
A Determinant for the w-Alexander Weight System

July-08-09
8:16 AM



- order of proceedings:
1. satisfies OT .
 2. Satisfies $4T$.
 3. Has correct initial values.

Local \Rightarrow global:



$$\begin{pmatrix} 0 & 1 & | & 1 & 1 & 1 \\ 0 & 0 & | & 1 & 1 & 1 \\ 0 & 0 & | & 1 & 1 & 1 \\ \hline 1 & 1 & | & 0 & 1 & 1 \\ 1 & 1 & | & 0 & 0 & 1 \\ 1 & 1 & | & 0 & 0 & 0 \\ 1 & 1 & | & 0 & 0 & 0 \end{pmatrix} \xrightarrow[\text{ops}]{\text{row}} \begin{pmatrix} 0 & 1 & | & 0 & 0 & 0 \\ 0 & 0 & | & 0 & 0 & 0 \\ 0 & 0 & | & 1 & 1 & 1 \\ \hline 0 & 0 & | & 0 & 1 & 0 \\ 0 & 0 & | & 0 & 0 & 1 \\ 0 & 0 & | & 0 & 0 & 0 \\ 1 & 1 & | & 0 & 0 & 0 \end{pmatrix} \rightarrow$$

$$\begin{pmatrix} 0 & 1 & | & 0 & 0 & 0 \\ 0 & 0 & | & 0 & 0 & 0 \\ 0 & 0 & | & 1 & 0 & 0 \\ \hline 0 & 0 & | & 0 & 1 & 0 \\ 0 & 0 & | & 0 & 0 & 1 \\ 0 & 0 & | & 0 & 0 & 0 \\ 1 & 0 & | & 0 & 0 & 0 \end{pmatrix} \rightarrow \neq I$$

4T

