

- 20250520

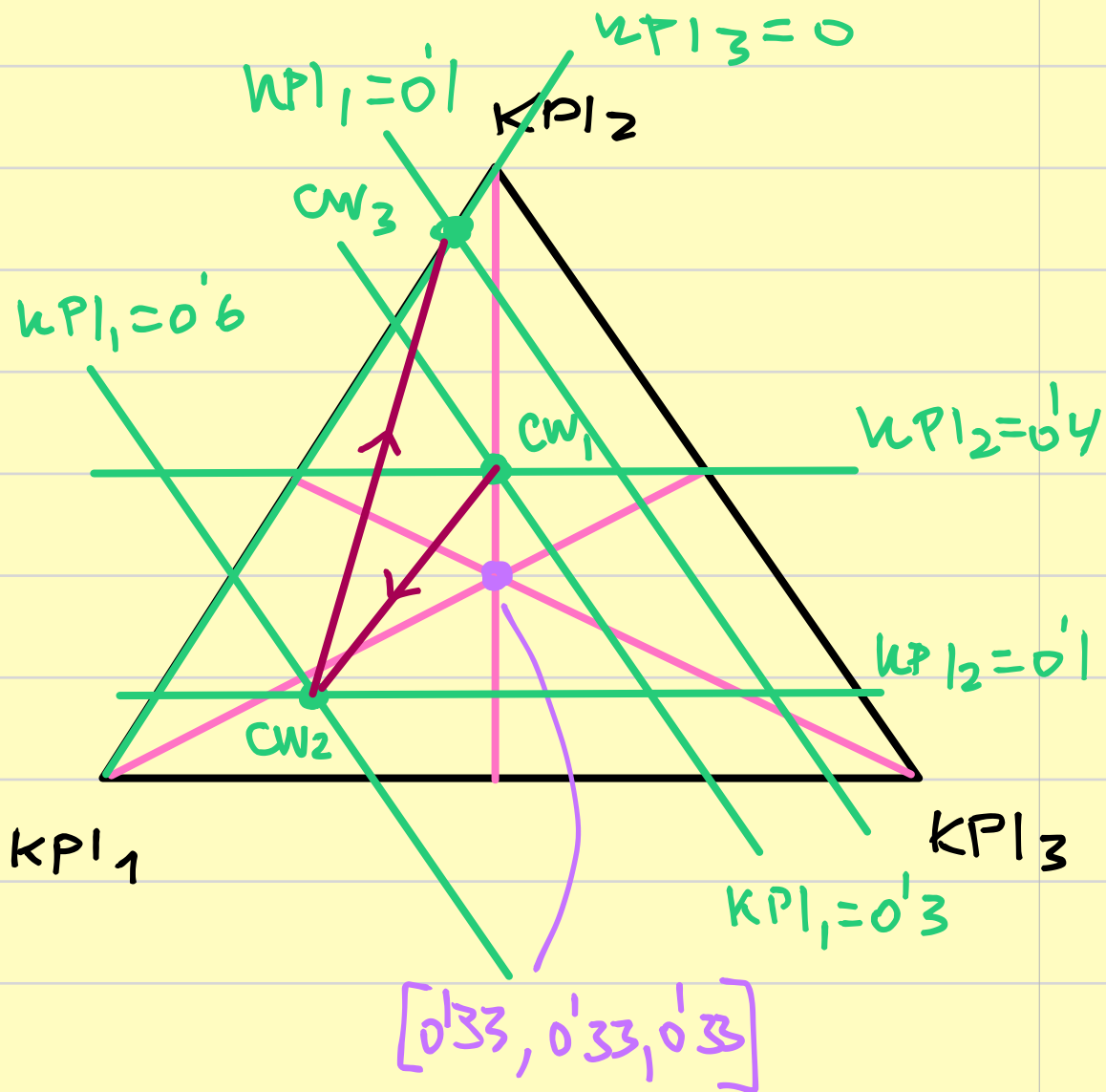
$$\dots \int \frac{di}{i} + \int \frac{di}{\frac{1}{3} - i} = \int dt$$

$$\ln i - \ln\left(\frac{1}{3} - i\right) = t + c$$

$$\int \frac{A dx}{B - Cx} = \int \frac{A dx}{C \left[ \frac{B}{C} - x \right]} = \int \frac{\frac{A}{C} dx}{\frac{B}{C} - x} =$$
$$= \frac{A}{C} \cdot \left( -\ln \left( \frac{B}{C} - x \right) \right) = -\frac{A}{C} \ln \left( \frac{B}{C} - x \right)$$

- 20250408

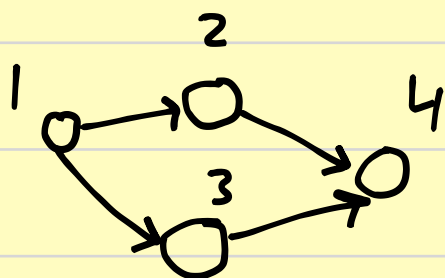
	KP1 <sub>1</sub>	KP1 <sub>2</sub>	KP1 <sub>3</sub>
CW <sub>1</sub>	0 <sup>1</sup> / <sub>3</sub>	0 <sup>1</sup> / <sub>4</sub>	0 <sup>1</sup> / <sub>3</sub>
CW <sub>2</sub>	0 <sup>1</sup> / <sub>6</sub>	0 <sup>1</sup> / <sub>1</sub>	0 <sup>1</sup> / <sub>3</sub>
CW <sub>3</sub>	0 <sup>1</sup> / <sub>1</sub>	0 <sup>1</sup> / <sub>9</sub>	0



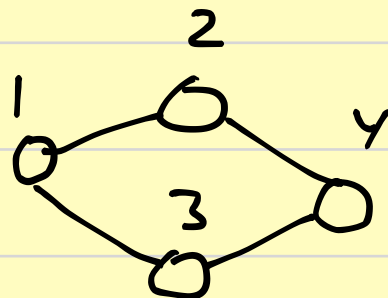
• 2025 04 22 .

$$\begin{array}{|c|} \hline -2 \\ \hline 3 \\ \hline \end{array} \quad \begin{array}{c} \text{ReLU} \\ \approx \\ \hline \end{array} \quad \begin{array}{|c|} \hline 0 \\ \hline 3 \\ \hline \end{array}$$

$$\begin{array}{|c|} \hline 2 \\ \hline 4 \\ \hline \end{array} \quad \begin{array}{c} \text{ReLU} \\ \approx \\ \hline \end{array} \quad \begin{array}{|c|} \hline 2 \\ \hline 4 \\ \hline \end{array}$$



$$A = \begin{bmatrix} 0 & 1 & 1 & 0 \\ 0 & 0 & 0 & 1 \end{bmatrix}$$



$$A = \begin{bmatrix} 0 & 1 & 1 & 0 \\ 1 & 0 & 0 & 1 \end{bmatrix}$$

Graph:  $\{0 \rightarrow 1, 1 \rightarrow 2, 2 \rightarrow 4, 3 \rightarrow 5\}$

Graph:  $\{0-1, 1-2, 2-4, 3-5\}$

