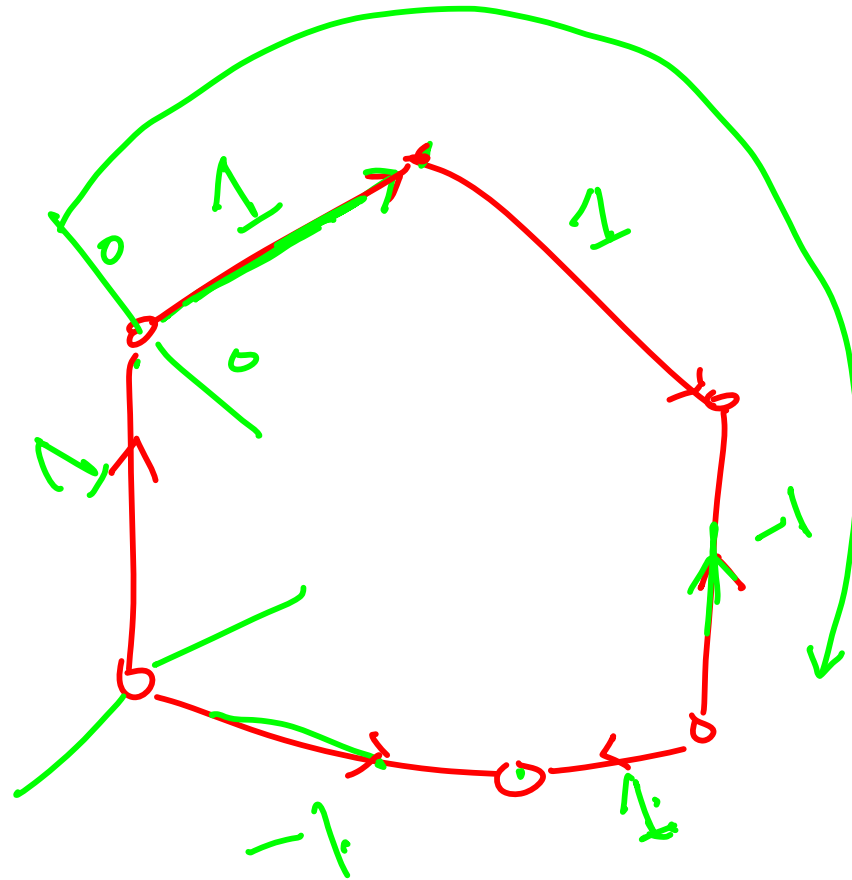
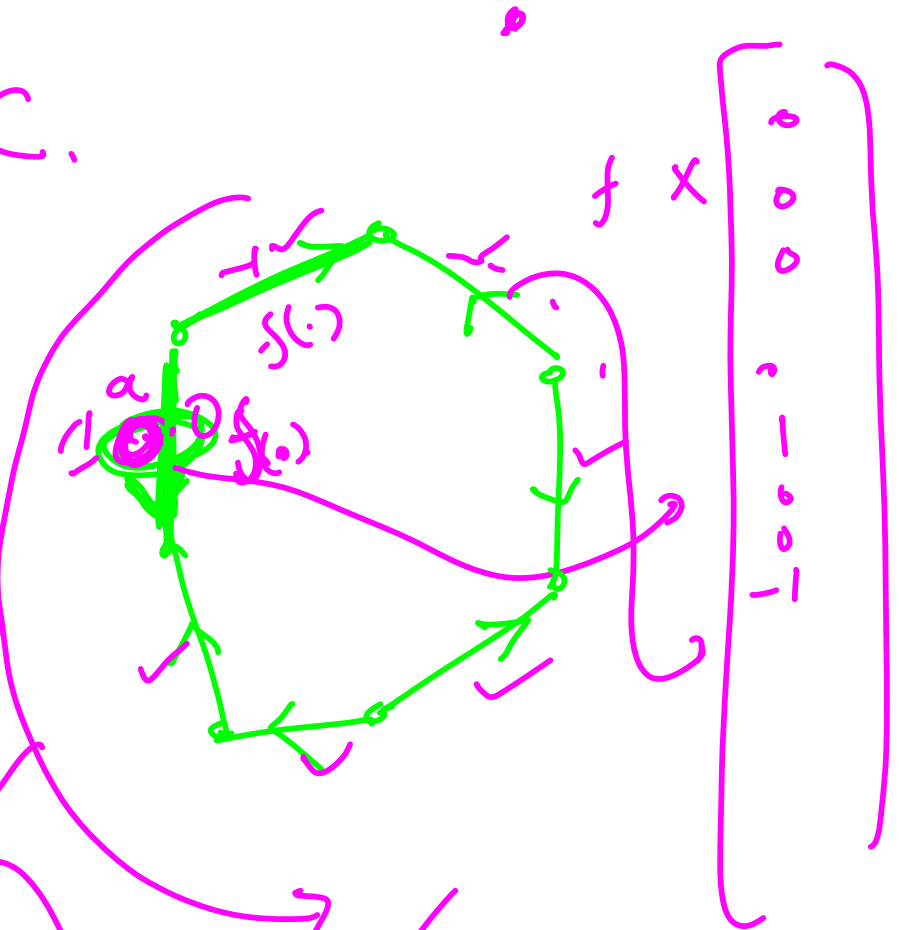


$$Mf = 0 \quad \checkmark$$

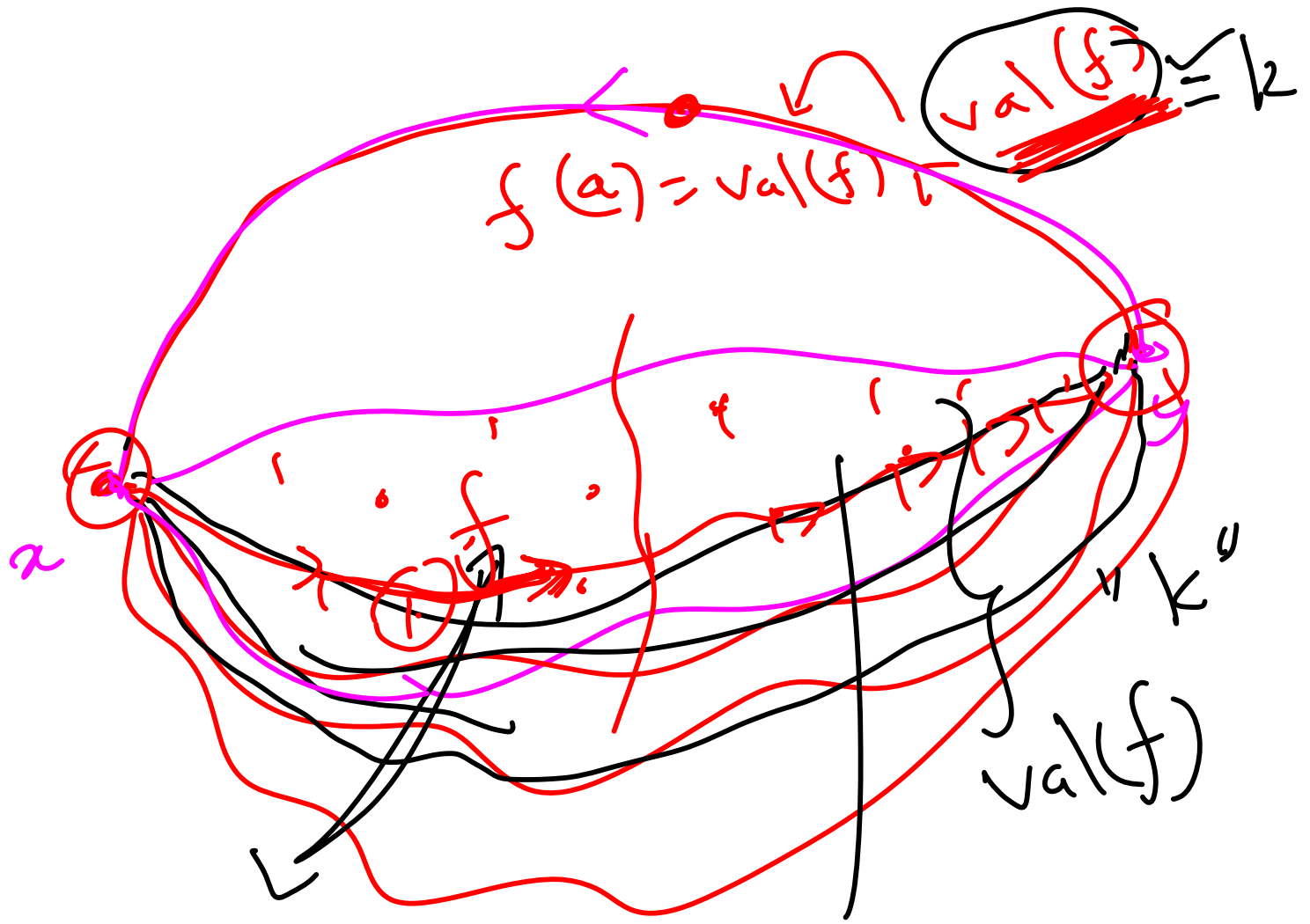


$$f = f(a) \cdot f_c$$

$$\cancel{f} = f - f_a \cdot f_c$$



$$\cancel{f} = f' + f_a \cdot f_c$$

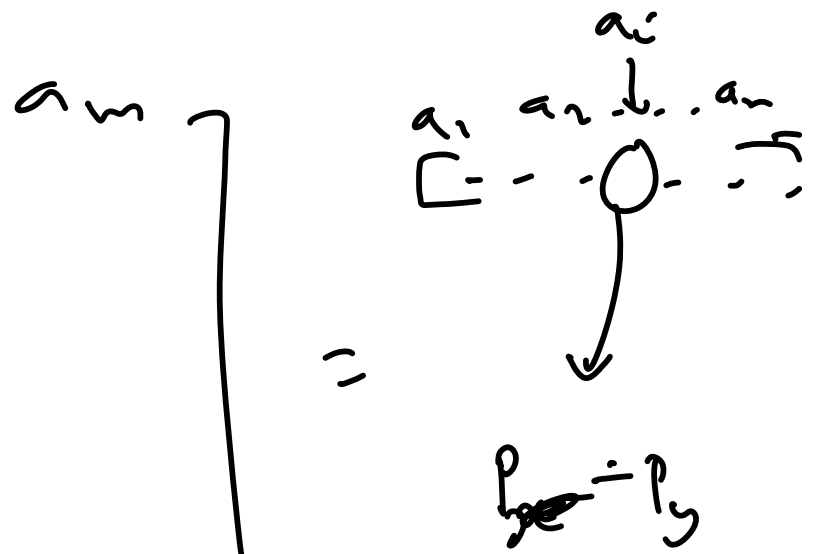
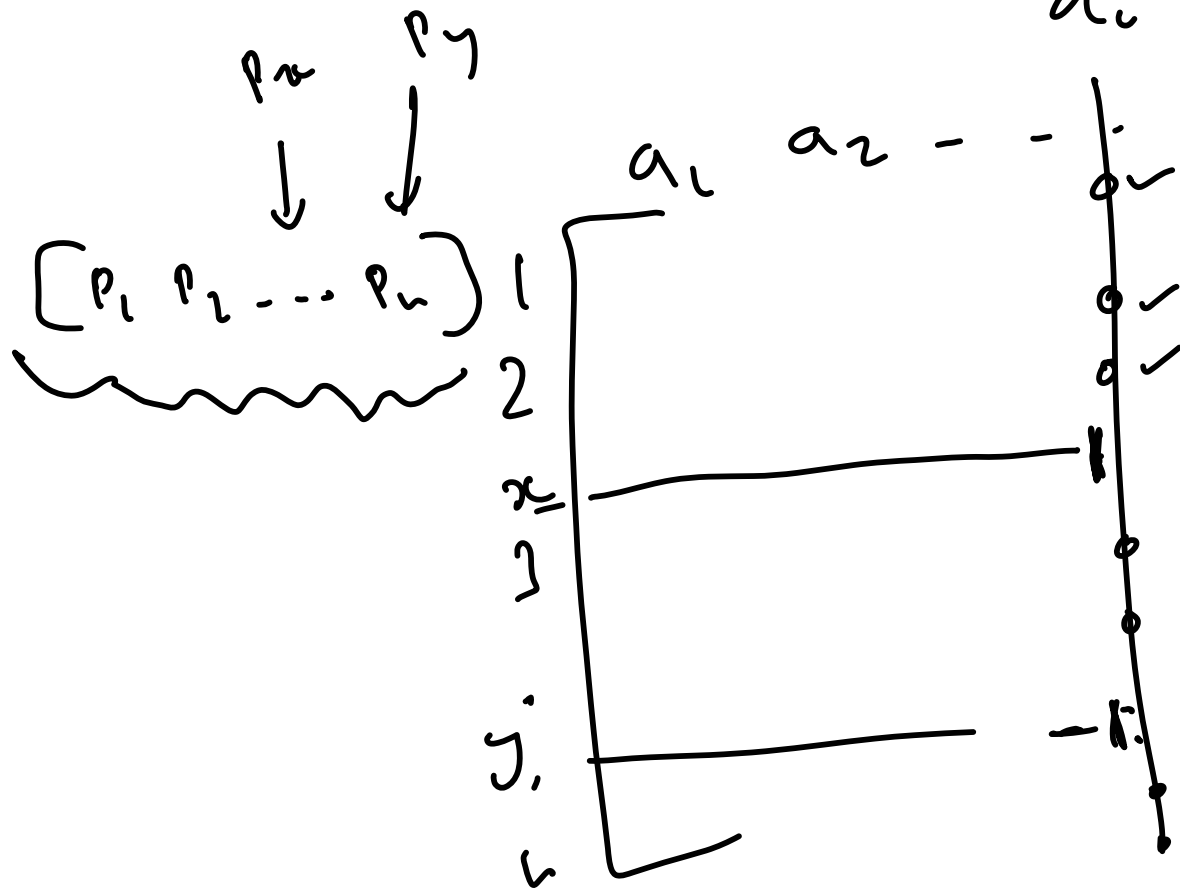


$$\begin{matrix} \text{=} \\ \text{=} \\ \text{=} \end{matrix} \begin{matrix} s \times m \\ \text{---} \\ \text{---} \\ \text{---} \end{matrix} \left[\begin{matrix} \text{---} \\ \text{---} \\ \text{---} \\ \text{---} \end{matrix} \right] \left(\begin{matrix} \text{---} \\ \text{---} \\ \text{---} \\ \text{---} \end{matrix} \right) = \begin{matrix} \text{---} \\ \text{---} \\ \text{---} \\ \text{---} \end{matrix} \left(\begin{matrix} \text{---} \\ \text{---} \\ \text{---} \\ \text{---} \end{matrix} \right) \begin{matrix} \checkmark \\ \checkmark \\ \checkmark \\ \checkmark \end{matrix}$$

↓

$$g = p \Delta x$$

$p \in \mathbb{R}$



$$\underline{a_i = (x, y)}$$

$$\underline{p(x) - p(y)}$$

$p(x)$
0

$p(y)$
0

$$g(a) = p(x) - p(y)$$

$p(x)$

0



0

$p(y)$

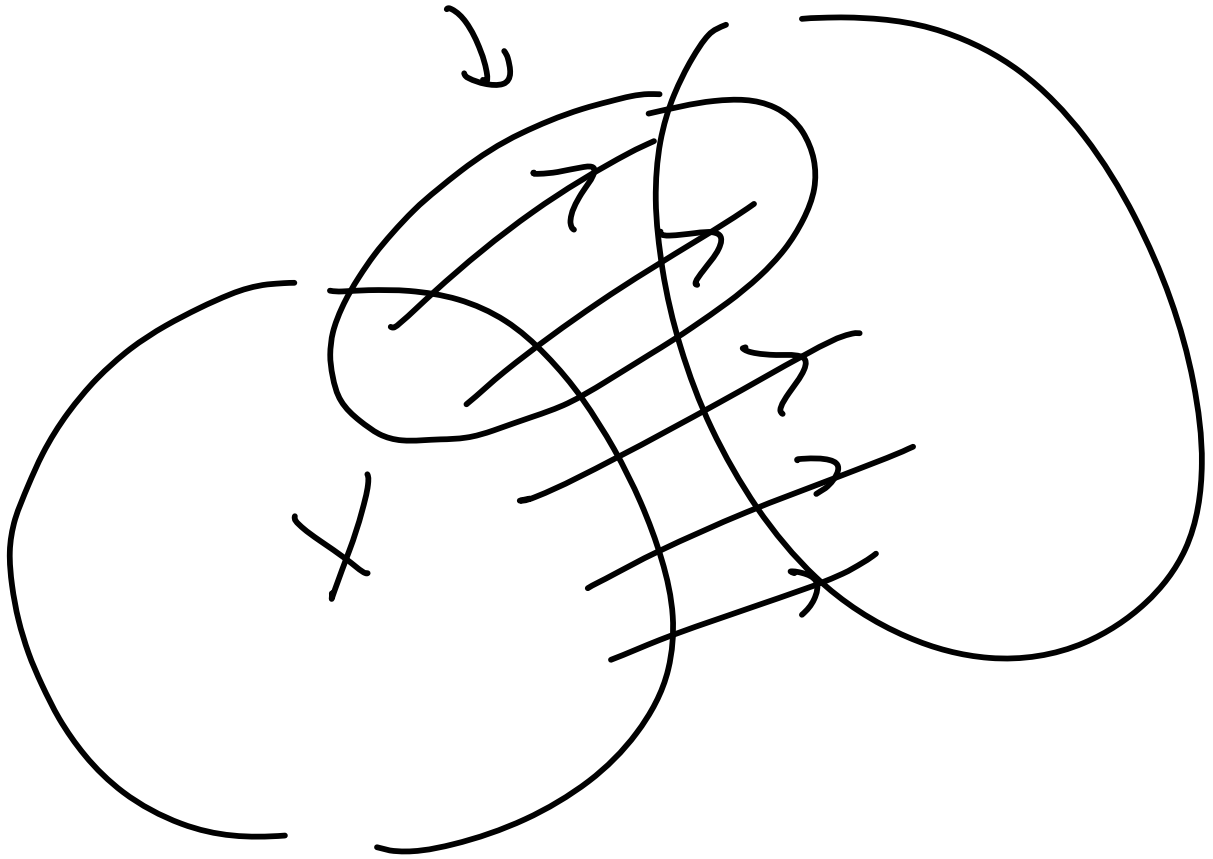
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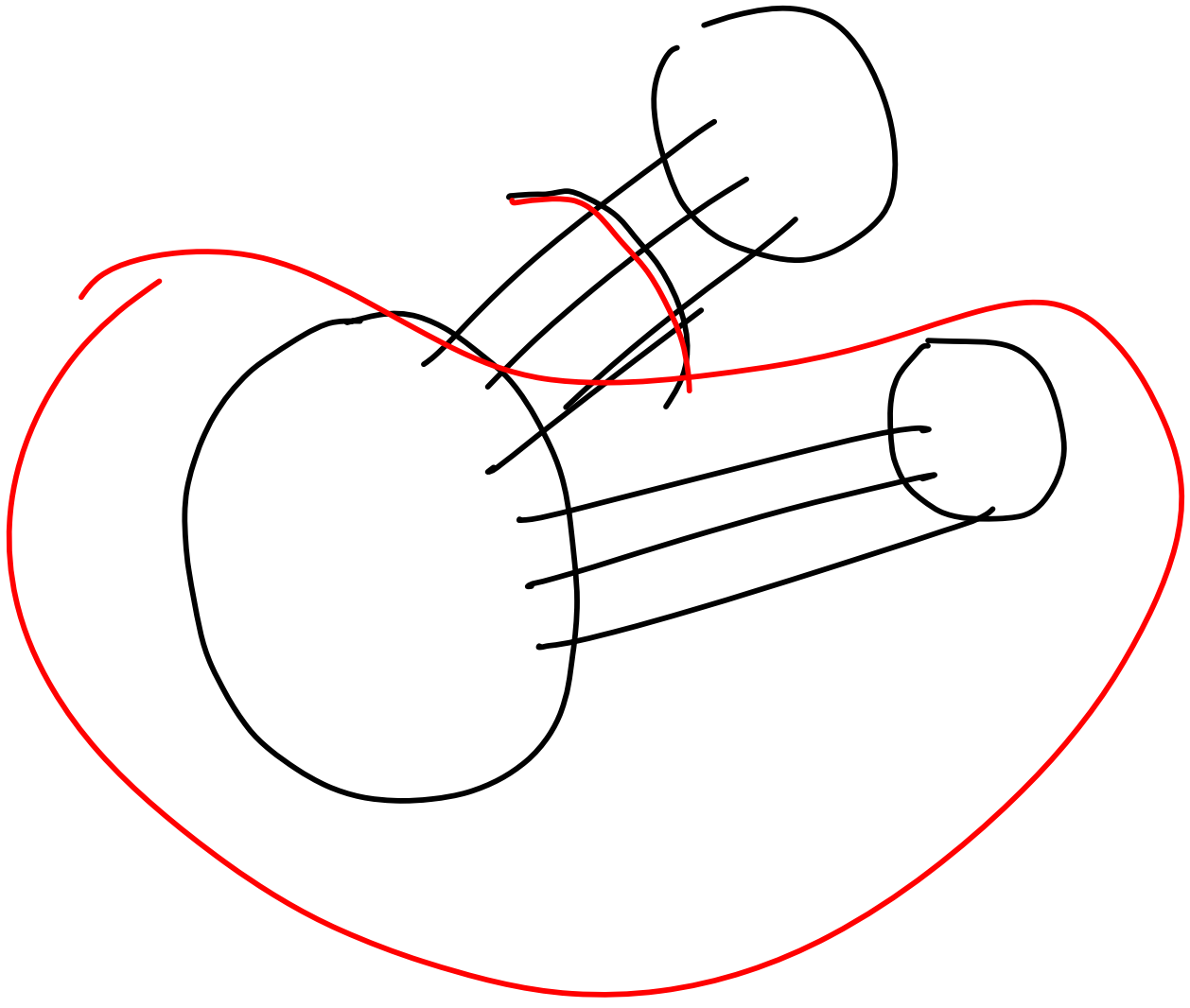
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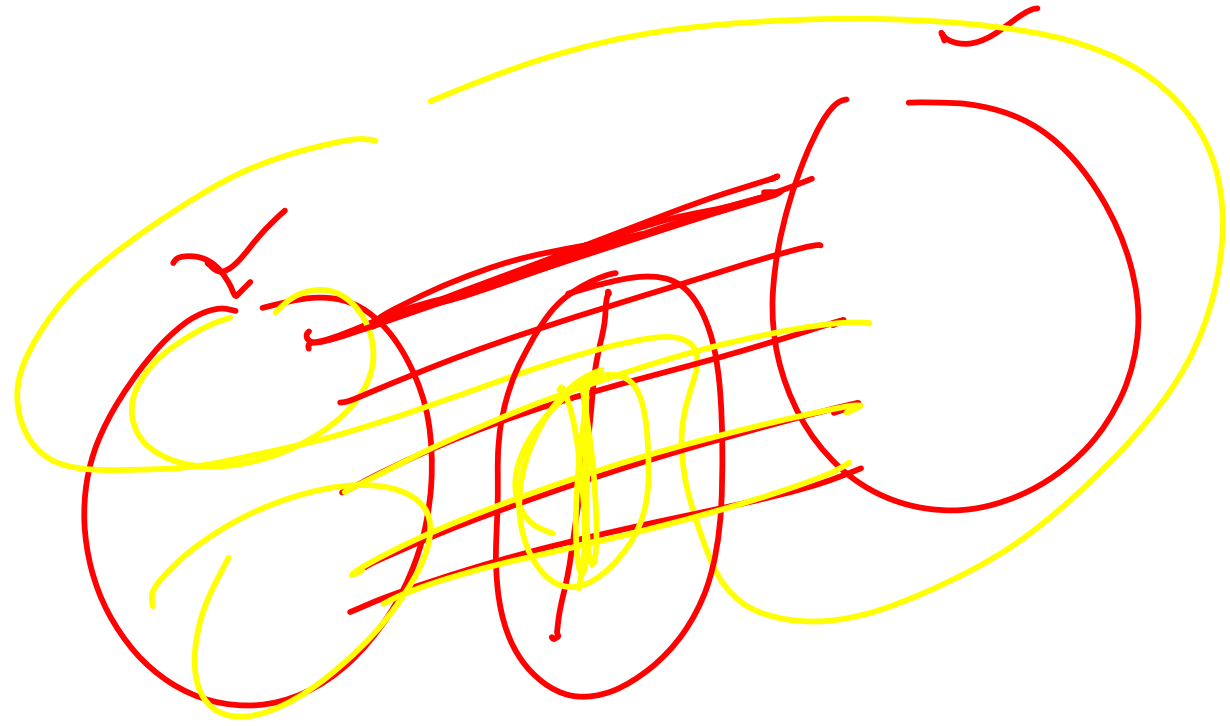
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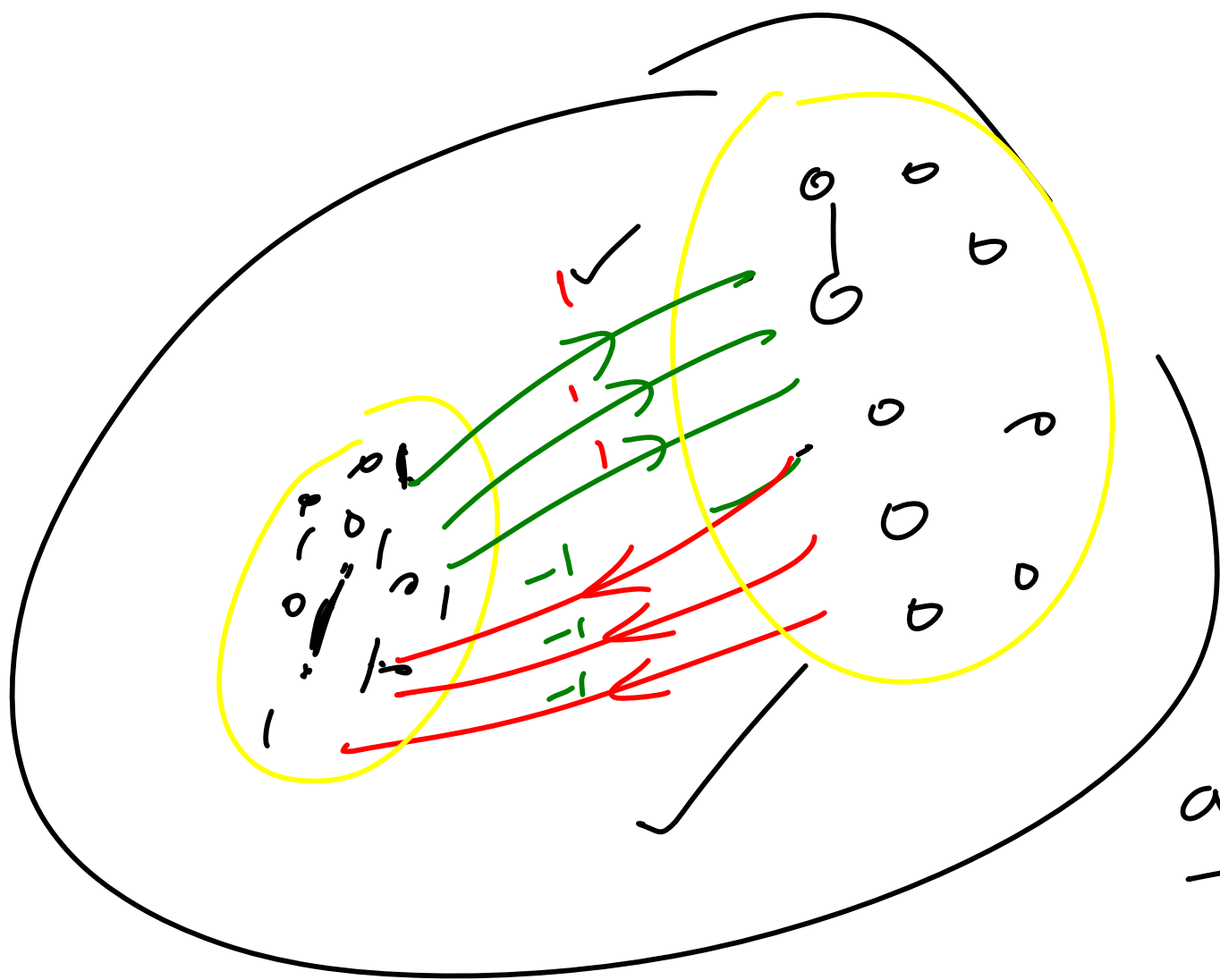
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$$P \quad M \quad = \quad g$$

$$g(a) = P(x) - p(y)$$

$$\underline{a = (x, y)}$$

~~$a = x$~~

$$a = (x, y)$$

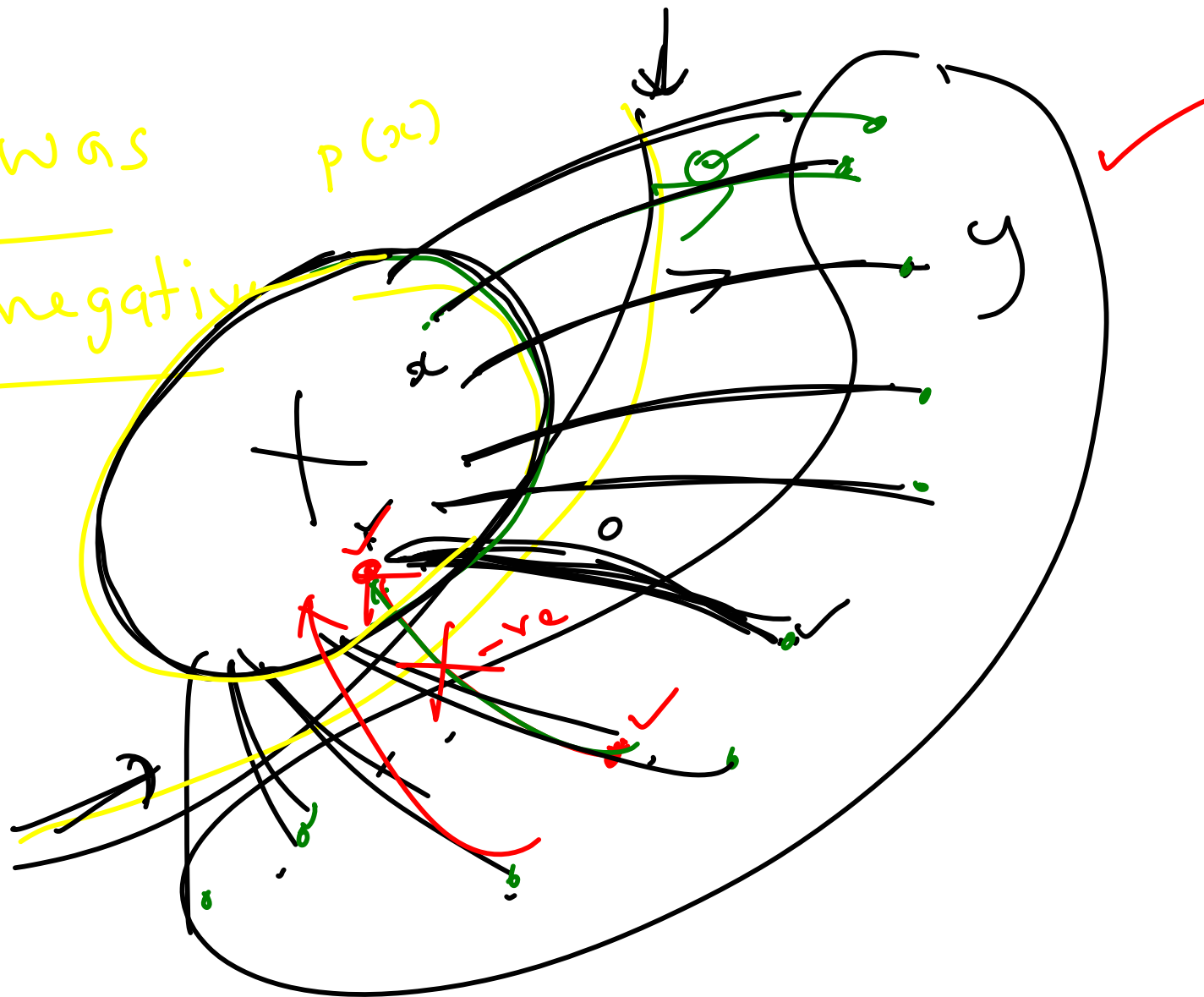
$$g = p \cdot n$$

$$p(x) - p(y) = g(a)$$

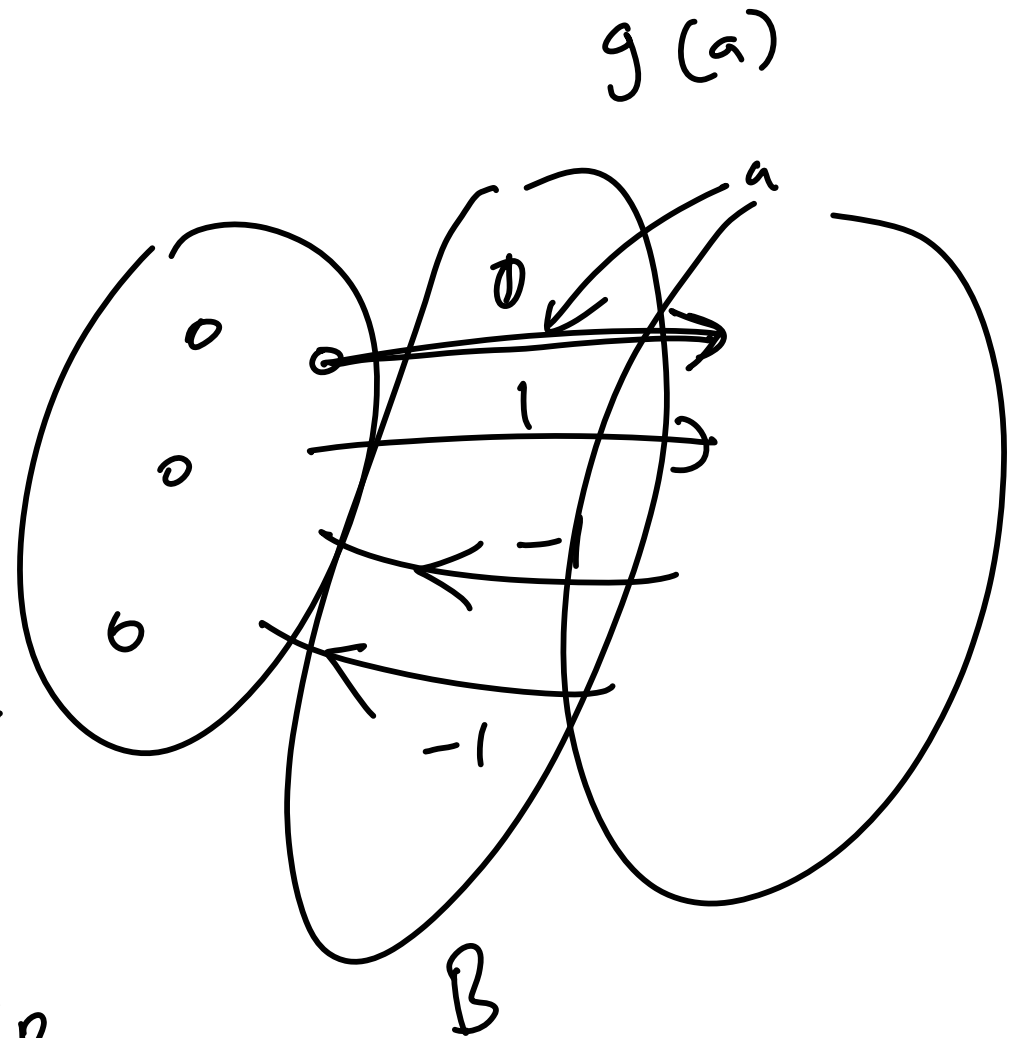
$$p(x) \neq p(y) \checkmark$$

$$X = \left\{ u \in V : p(u) = p(x) \right\}$$

g was
non-negative



g



$$g - g(a) \cdot g_B = g'$$

$$\textcircled{g} = \underline{\underline{g'}} + \underbrace{g(a) \cdot g_B}_{\checkmark}$$