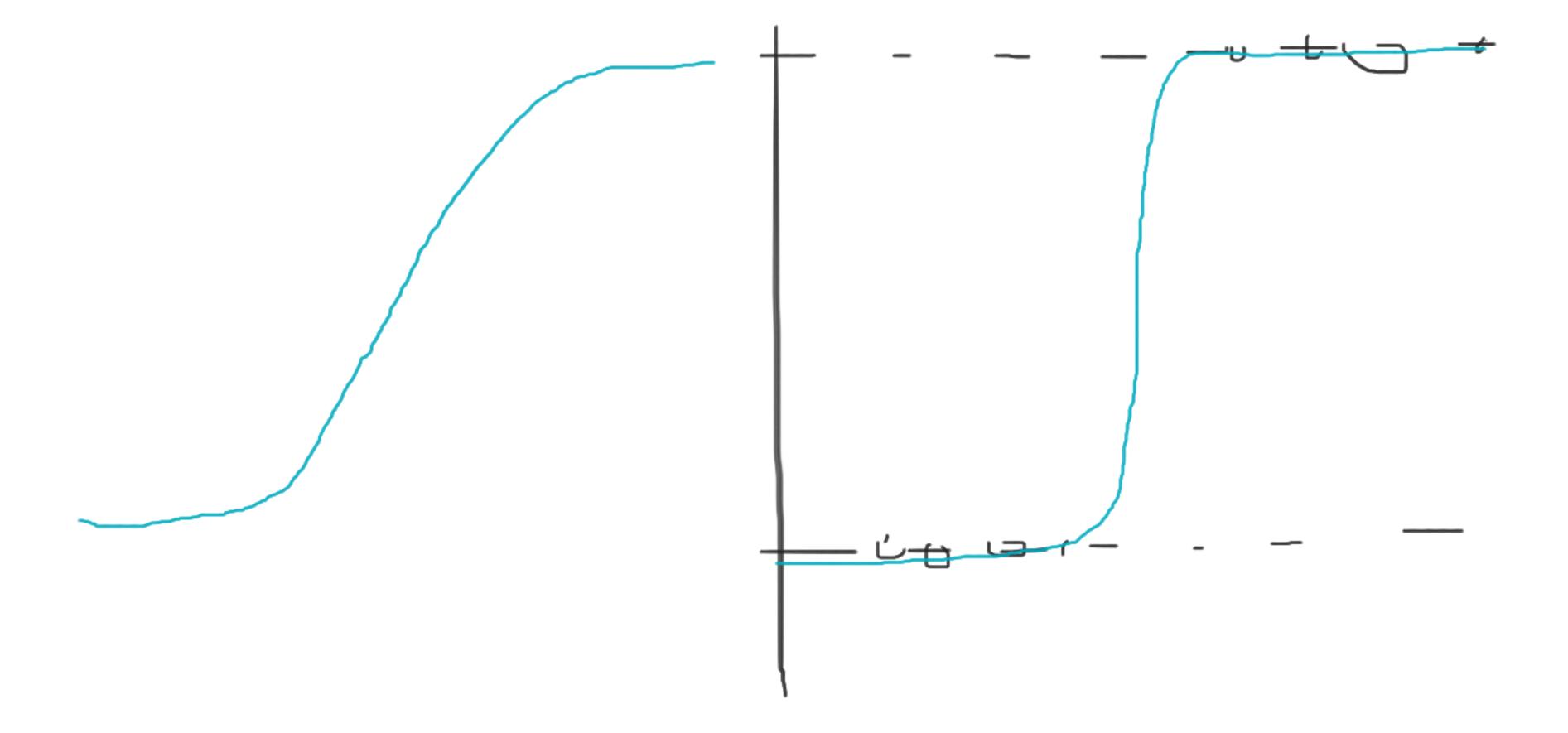
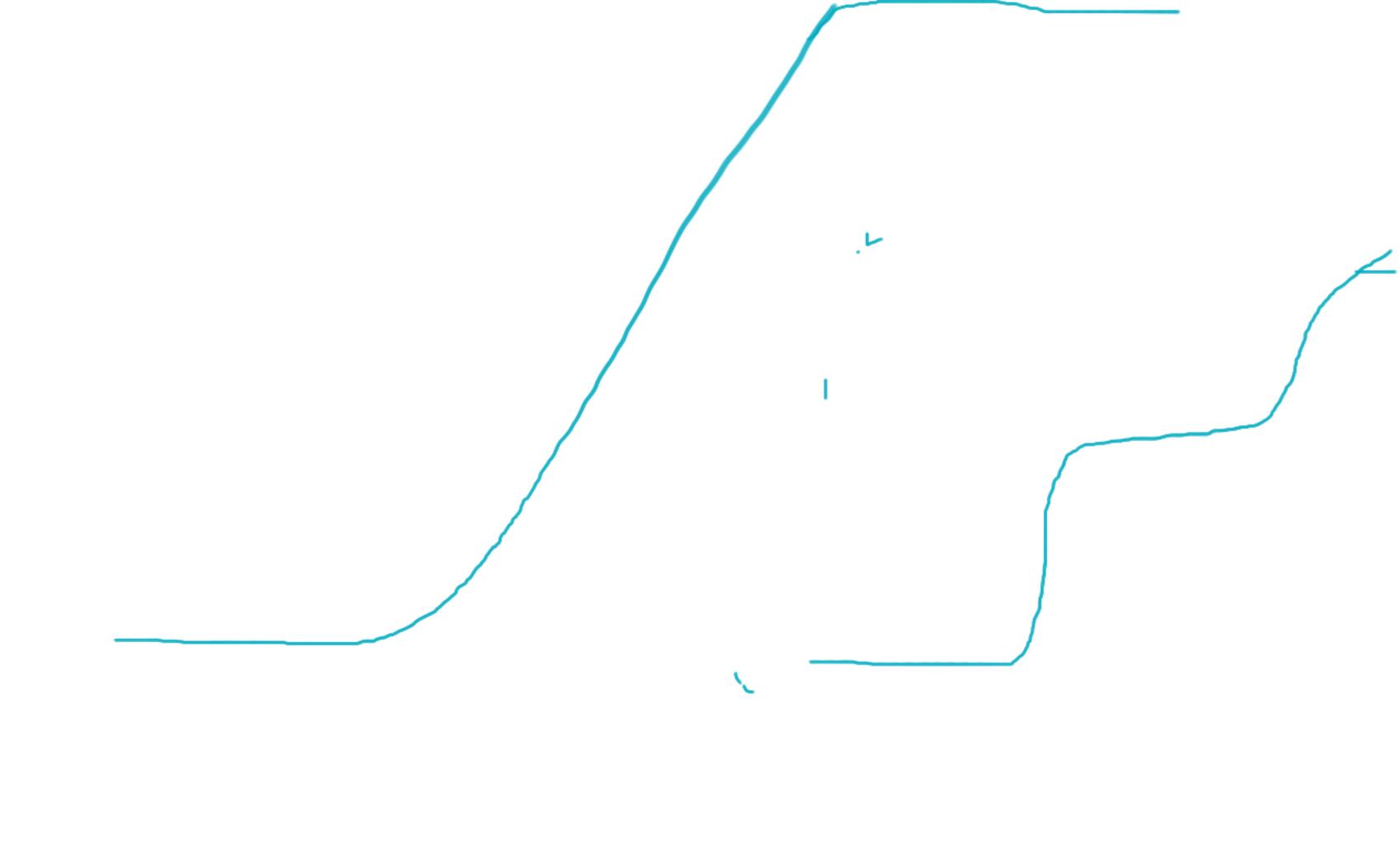
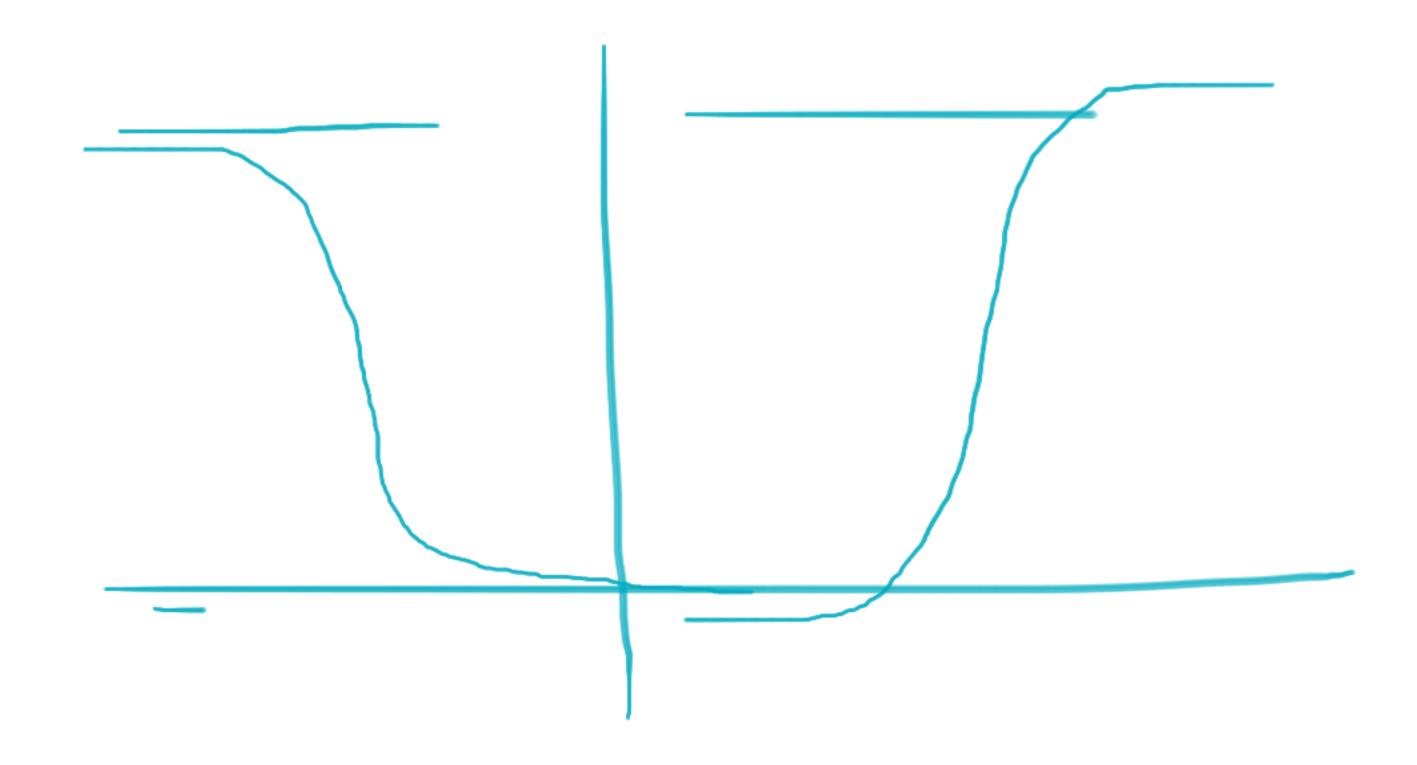
$$f(x) = \frac{1}{1+e^{x}}$$

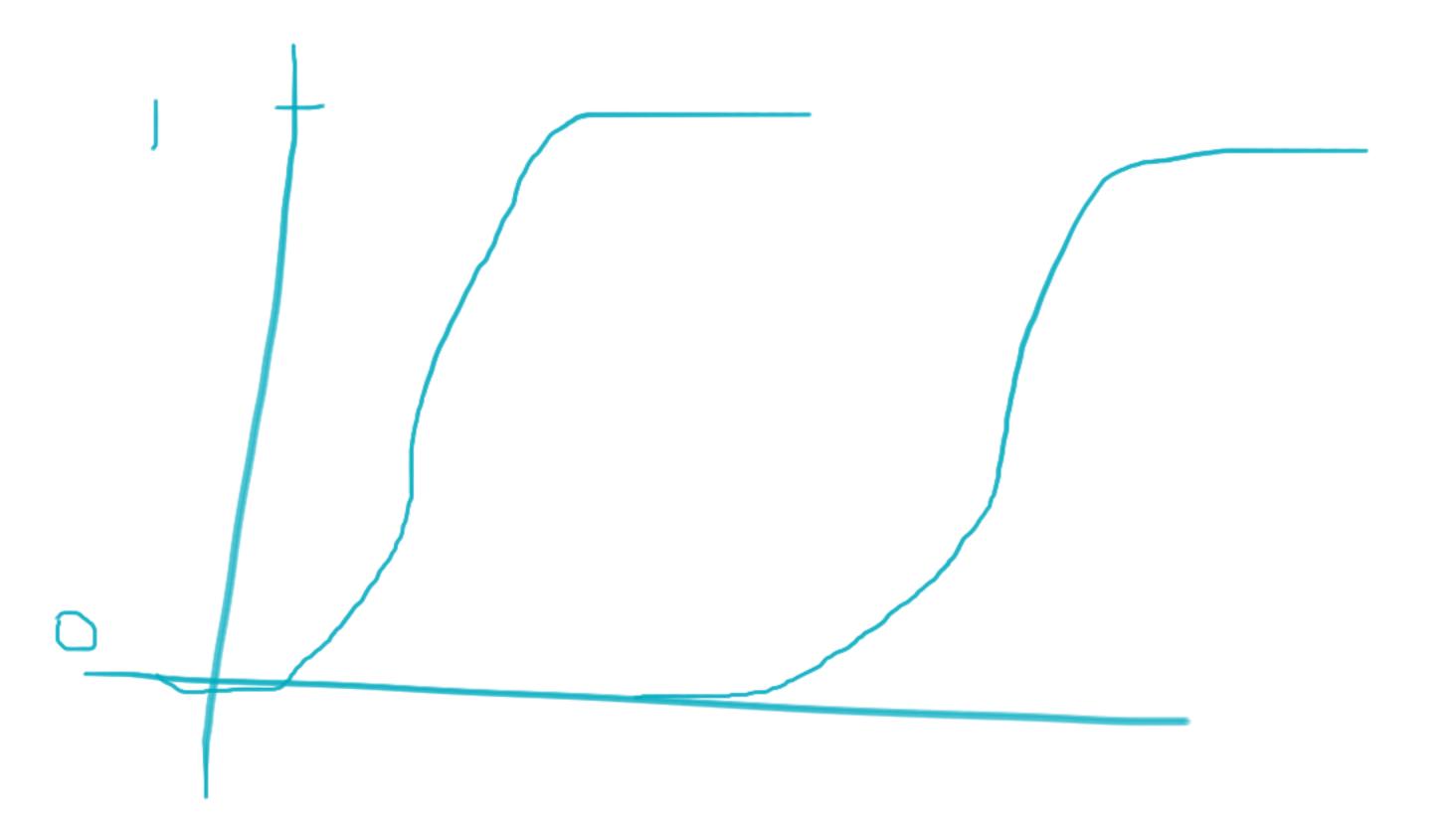
$$= \frac{e^{x}}{1+e^{x}} = \frac{e^{x}/e^{x}}{\frac{1}{e^{x}}}$$

$$= \frac{e^{x}}{1+e^{x}}$$





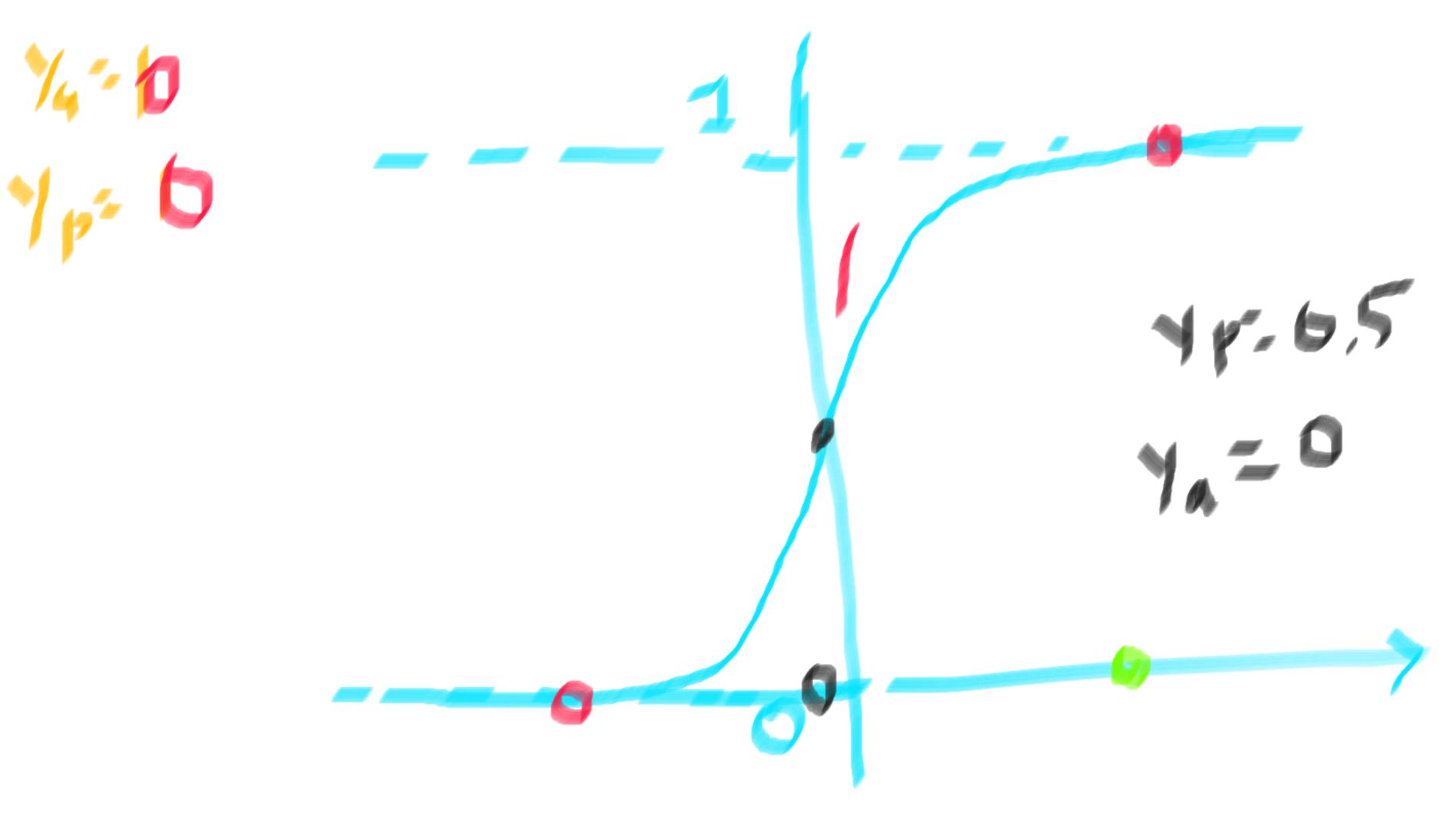


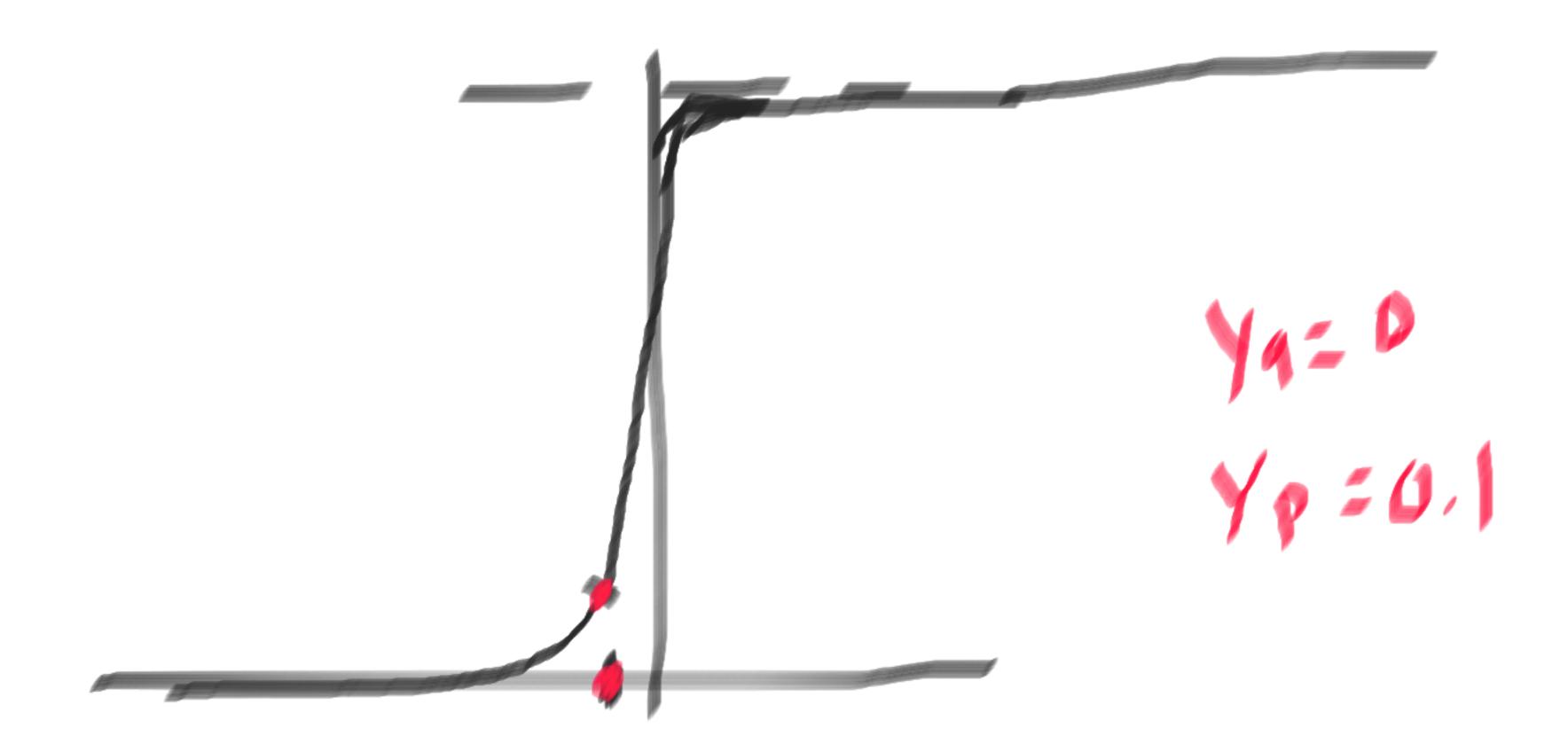


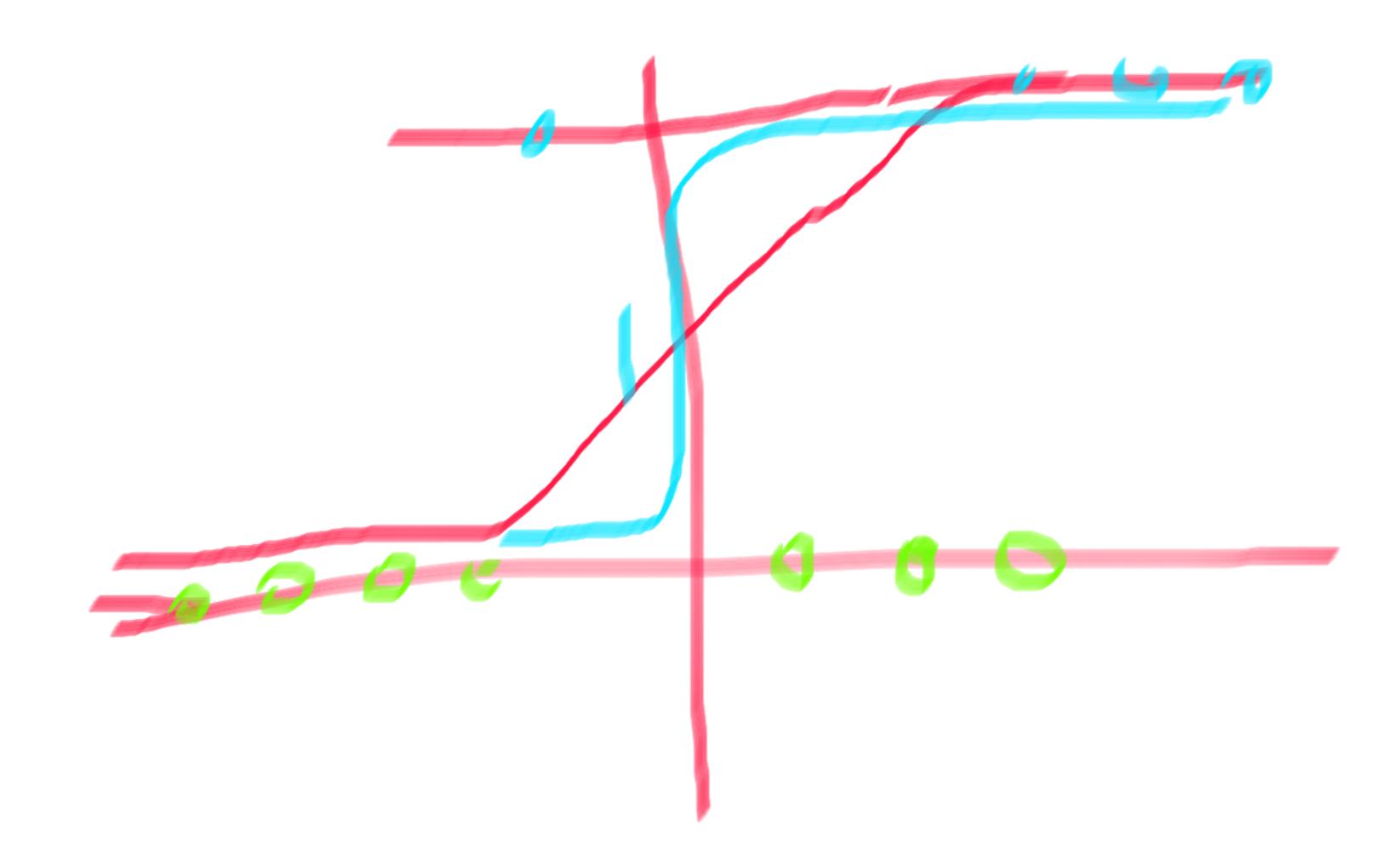
$$LLf = \frac{-1}{N} \sum_{n} |_{n} \times |_{n}g(\gamma_{p}) + (1-\gamma_{c}) \times |_{0}g(1-\gamma_{p})$$

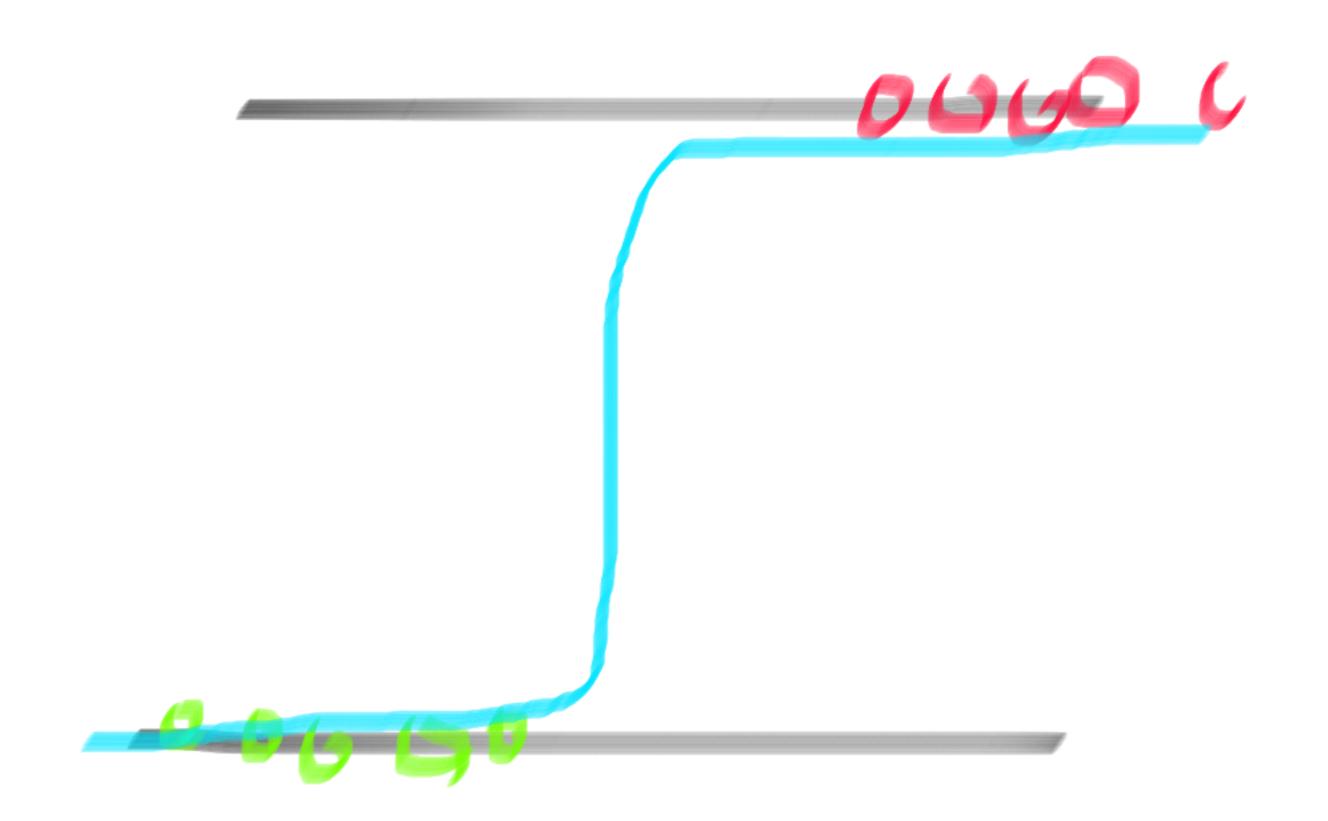
$$= 1 \times |_{0}g(\gamma_{p}) + (1-\gamma_{c}) \times |_{0}g(1-\gamma_{p})$$

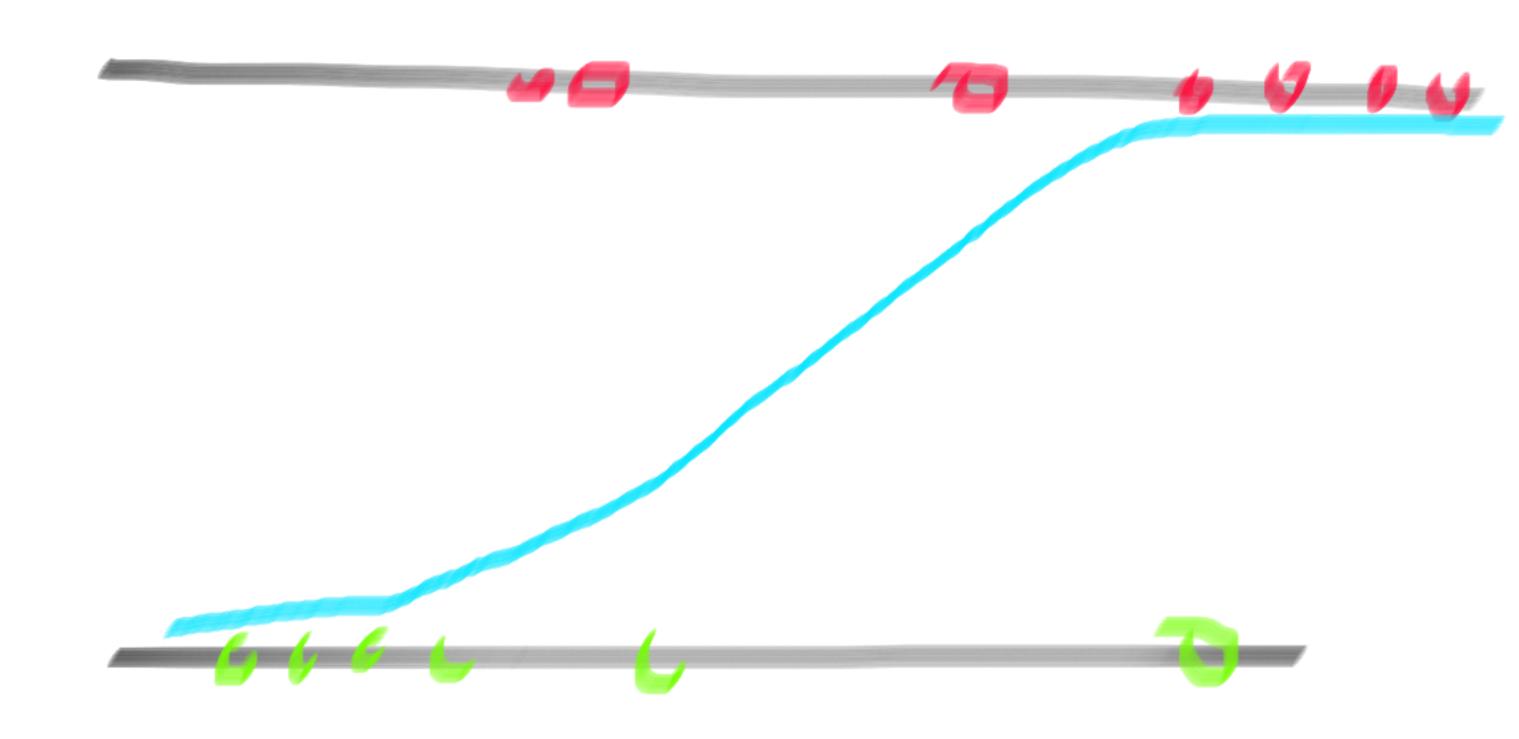
$$= 1 \times |_{0} = 0$$

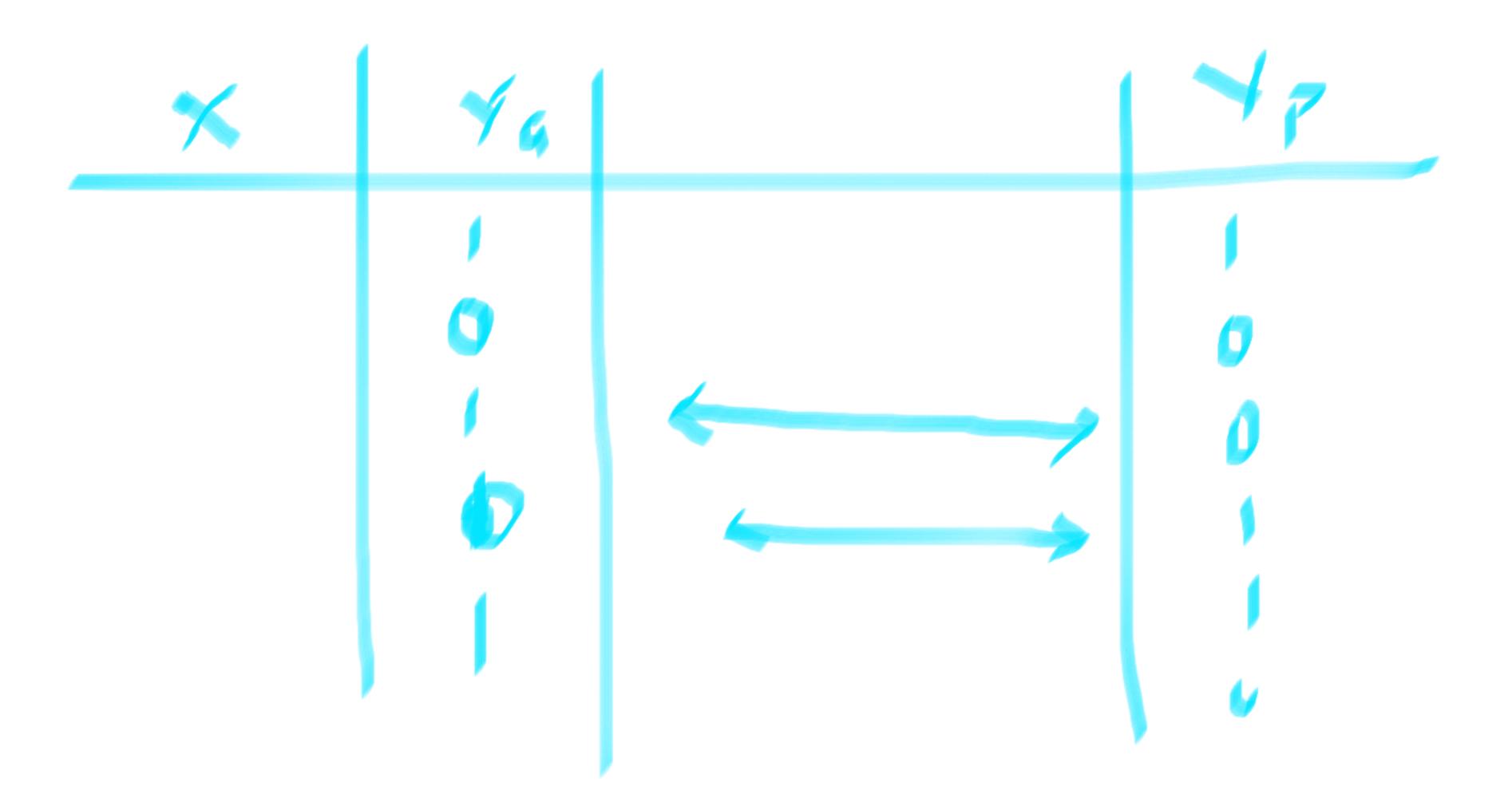






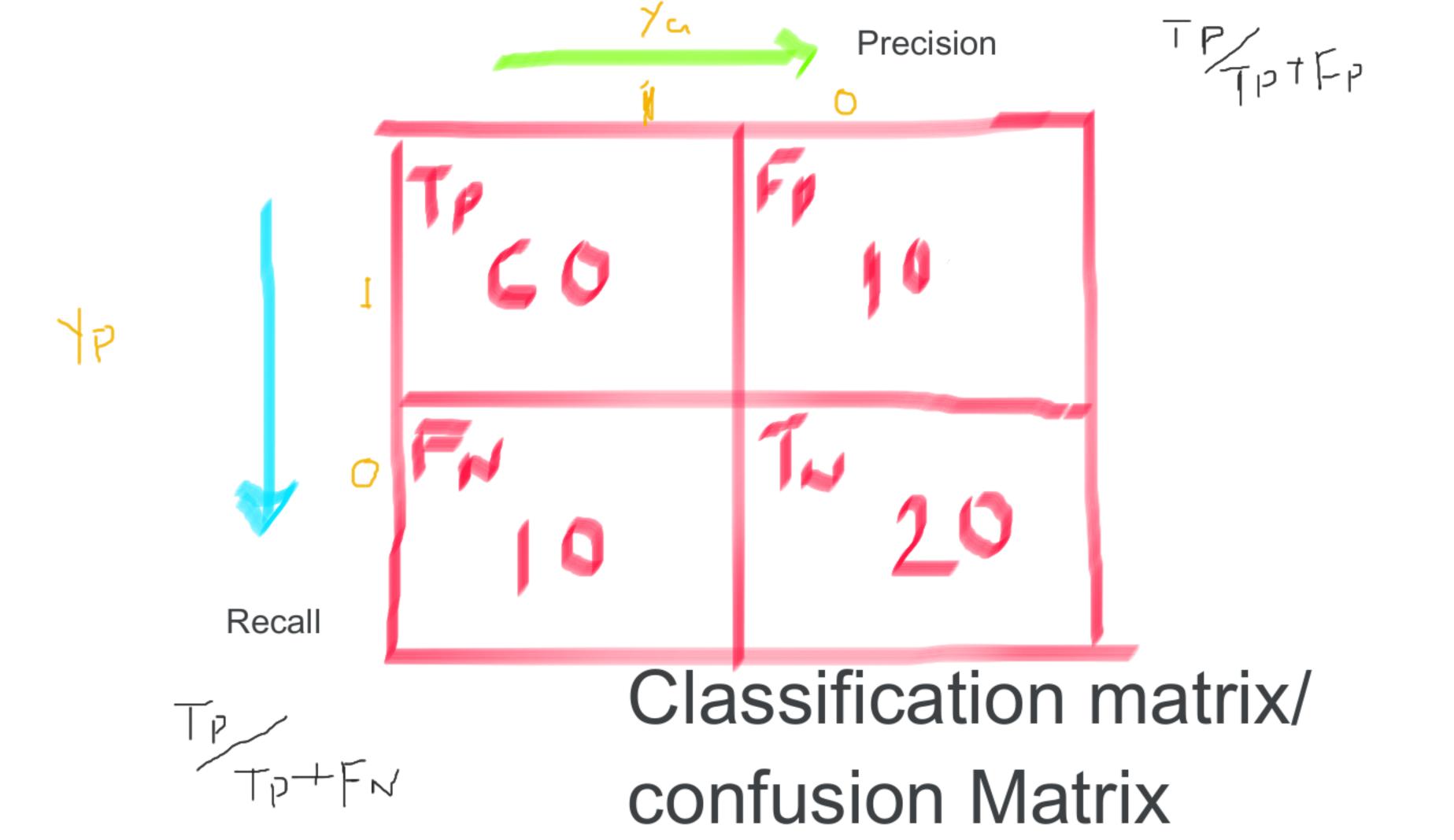






Type 1 eyrbr TN Type II er ror

TP+TN Accuracy = Tet Fet Trut FN



 $\frac{T_{p}+T_{N}}{T_{p}+T_{N}1F_{p}+F_{N}}=\frac{60+20}{100}=\frac{80}{100}$