



w_1
 w_2
 w_3
 w_4
 w_5
 w_6
 w_7



w_1
 w_2
 w_3
 w_4
 w_5
 w_6
 w_7



⑦



stumps
weak learners



Gini



Gini

lowest Gini

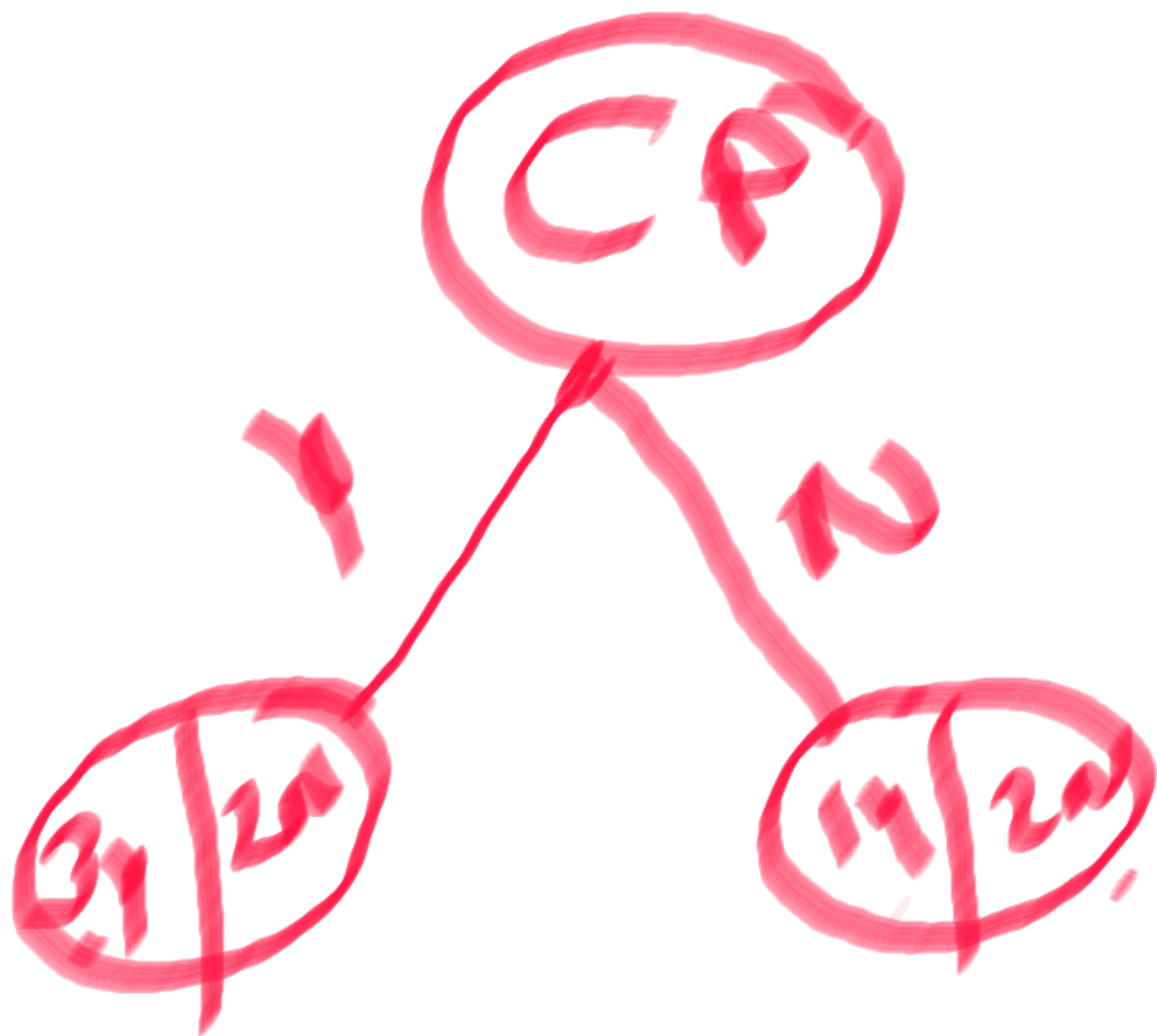


Gini

Weak
Learner

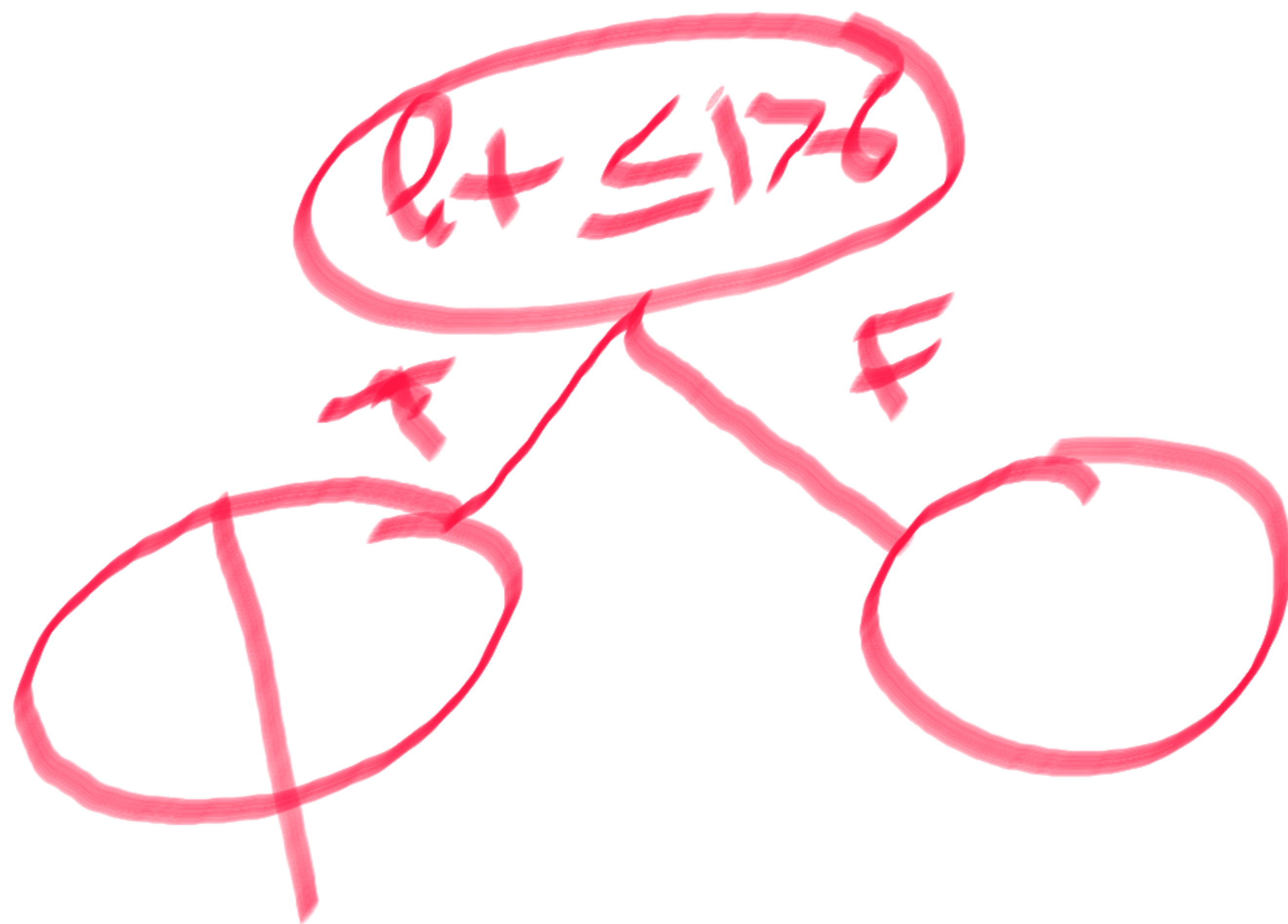
U
Base
Learner

mini




44
242

→ Impure



$$TE \sim \frac{1}{8}$$

$$P = \frac{1}{2} \log_2 \left(\frac{1-TE}{TE} \right)$$

$$P = \frac{1}{2} \log_2 \left(\frac{1 - \frac{1}{8}}{\frac{1}{8}} \right) = \frac{1}{2} \log_2 (7)$$


~~$\frac{7}{8}$~~
 ~~$\frac{1}{8}$~~

Mistake

$$NSW = \text{old}_{SW} \times e^{\text{Pestorm}}$$

Correctly

$$NSW = \text{old}_{SW} \times e^{-\text{Pestorm}}$$

