

C1 \rightarrow +ve

P(sad | +ve)

$$= \frac{\cancel{0} + 1}{10 + \textcircled{30}}$$

P(word | +ve)
P(word | -ve)

X




↑↑ $P = \frac{tp}{tp + f}$

↑↑ $R = \frac{tp}{tp + fn} \downarrow \downarrow \downarrow$

~~$P(y=0|x) + P(y=0|x) = 1$~~

$P(y=0|x) + P(y=1|x) = 1$

~~$P(y=0|x)$~~



$$P(y_i | x) =$$

$$P(y_2|x) =$$

W2

$$P(y_3 | x) =$$

A hand-drawn diagram of a 3-layer perceptron. It consists of three layers of nodes: an input layer with 3 nodes, a hidden layer with 3 nodes, and an output layer with 1 node. The layers are connected by lines representing weights. The input layer is labeled w_1 , the hidden layer is labeled w_2 , and the output layer is labeled w_3 .

$$k \times f$$

findall

$$r'''([\wedge'']_+)'''$$

$$\langle S \rangle \dots \dots \langle /S \rangle \quad P[\langle S \rangle | is] = 1$$

$\langle S \rangle$ NLP

$\langle S \rangle$ The name of the course is

$$P(\text{course} | \text{nlp})$$

$$P(\langle S \rangle | \text{nlp})$$

$$(is | \text{nlp})$$

$$h_t = f(w_1 x_t + w_2 h_{t-1} + b_2)$$

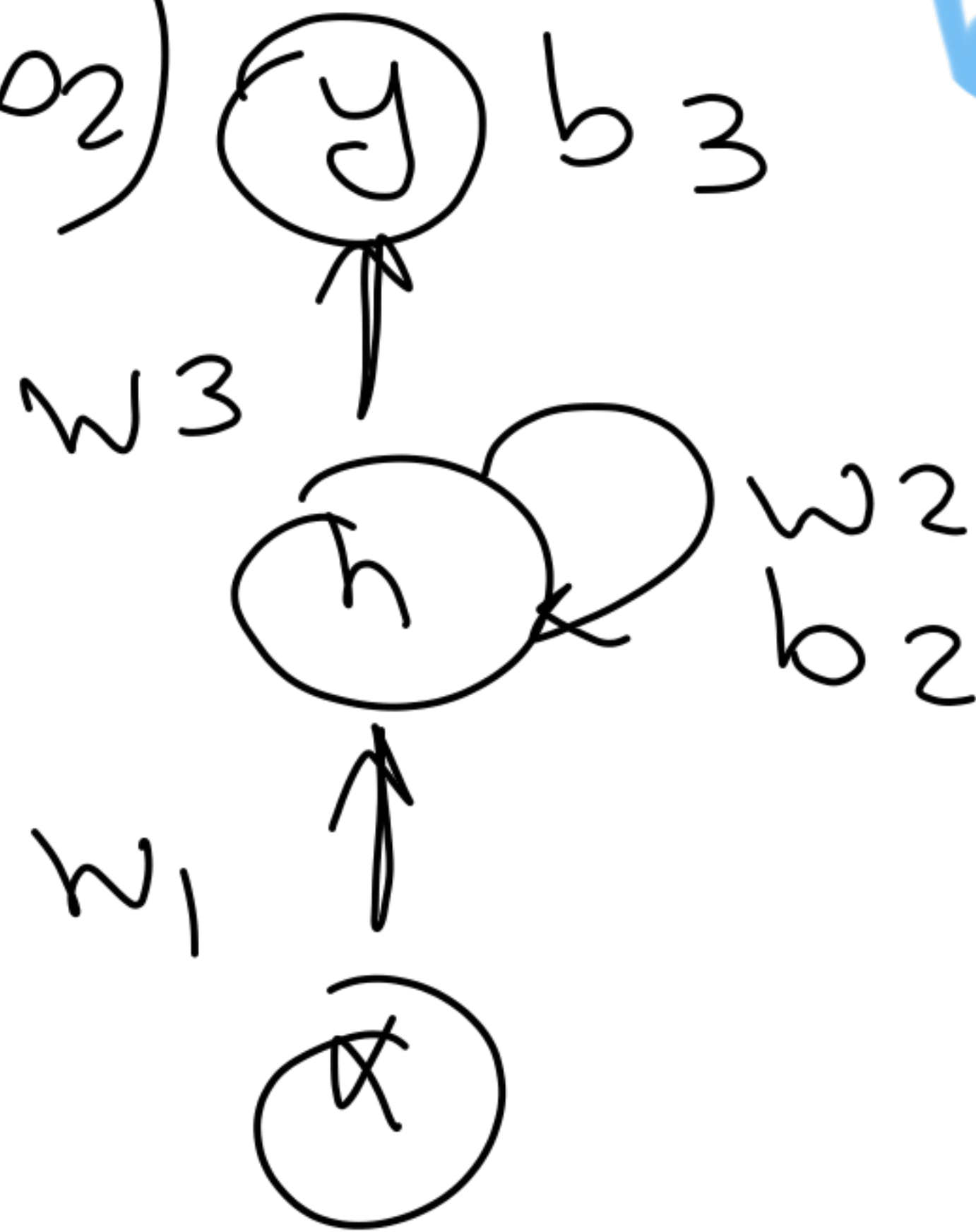
$$y_t = g(w_3 h_t + b_3)$$

$$y_t = w_3 h_t + b_3$$

$$y_t = h_t$$

$$w_3 = 1, b_3 = 0$$

$$h_0 = 0$$



$$w_1 x_t + w_2 h_{t-1} + b_2 < 0 \rightarrow h_t = 0$$

~~$h_t = 1$~~ $w_1 x_t + w_2 h_{t-1} + b_2 \geq 0 \rightarrow h_t = 1$

① $x_t = 0$ $h_{t-1} = 0 \rightarrow h_t = 0$ $\circ \circ \quad b_2 < 0$

② $x_t = 1$ $h_{t-1} = 0 \rightarrow h_t = 1$

$w_1 + b_2 \geq 0$ $\nearrow w_1, w_2 > 0$

③ $x_t = 0, h_{t-1} = 1 \rightarrow h_t = 1$

$w_2 + b_2 \geq 0$ $\nearrow b_2 > 0$

④ $x_t = 1, h_{t-1} = 1 \rightarrow h_t = 1$ $w_1 + w_2 + b_2 \geq 0$