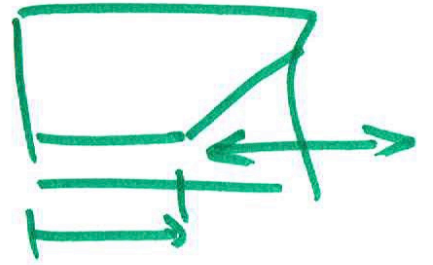
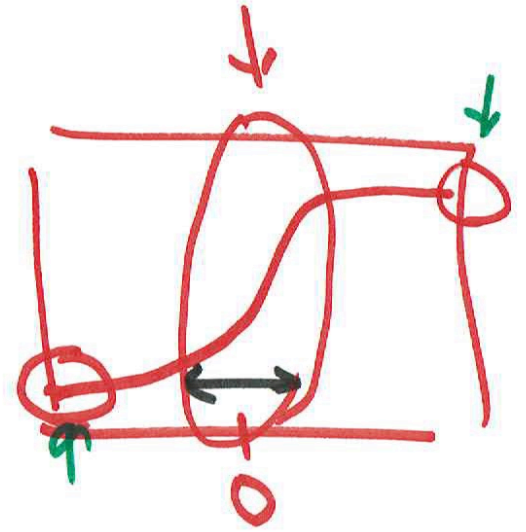


$$\underline{z_j} = \underline{f} \left( \sum_i \omega_{ji} x_i + b_j \right)$$

$$\boxed{\omega_{ji} = 0} \quad \times$$

$$\boxed{\omega_{ji} = 1} \quad \times$$

$$\boxed{\omega_{ji} = N(0,1) \times 0.01} \quad \times$$



Sigmoid & tanh

→ Xavier

~~$$w_{ij} = \sqrt{\frac{2}{n_i + n_j}}$$~~

$$w_{ij} = N\left(0, \frac{1}{n_i + n_j}\right)$$

ReLU  
→ He

$$w_{ij} = N\left(0, \frac{2}{n_i + n_j}\right)$$

~~$$w_{ij} = N\left(0, \frac{2}{n_i + n_j}\right)$$~~