21.09.18 dl W

Методи иминиализации мейросети

$$z = Nx$$
  $\int_{0}^{\infty} \int_{0}^{\infty} \int_{0}$ 

$$DZ_{i} = D \left( \sum_{j} w_{ij} \times_{j} \right) = \sum_{j} D \left( w_{ij} \times_{j} \right) = \sum_{j} D w_{ij} D \times_{j} =$$

$$= n_{invert} D w_{ij}$$

$$D \frac{\partial f}{\partial x_{i}} = Nontput D w_{i}; \quad nompedgen! / D Z_{i} = D x_{i}$$

$$D \frac{\partial f}{\partial x_{i}} = D \frac{\partial f}{\partial x_{i}} = D \frac{\partial f}{\partial z_{i}}$$

$$Nontput D w_{i}; = Z$$

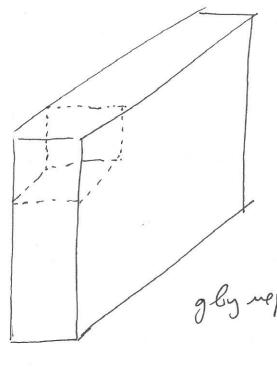
$$\mathcal{D}$$
  $w_{ij} \sim \mathcal{U}$  [- $\frac{1}{2}$ ,  $\frac{1}{2}$ ],  $\mathbb{E} w_{ij}^2 = \int_{-\frac{\pi}{2}}^{\infty} w_{ij}^2 \frac{1}{2} dw_{ij} = \frac{\pi}{2} \frac{w_{ij}^2}{2} = \frac{\pi}{2}$ 

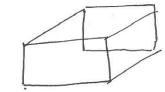
$$=\frac{\sqrt{h}}{2}\frac{2}{3N\sqrt{h}}=\frac{2}{3N}=\frac{2}{h_{input}+h_{output}}$$

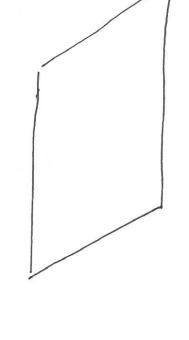
$$\begin{bmatrix} \times_1 & \times_2 & \times_3 \\ \times_4 & \times_5 & \times_6 \\ \times_2 & \times_3 & \times_5 \end{bmatrix}$$

$$\begin{bmatrix} \times_1 & \times_2 & \times_3 \\ \times_4 & \times_5 & \times_6 \\ \times_2 & \times_3 & \times_5 \end{bmatrix} \times \begin{bmatrix} K_1 & K_2 \\ K_3 & K_4 \end{bmatrix} = \begin{bmatrix} (y_2) & y_2 \\ y_3 & y_4 \end{bmatrix}$$

$$T(i,i) = \sum_{\delta_1,\delta_2 = -m} T(i+\delta_1,j+\delta_2) K(f_1+m,f_2+m)$$







gly repras raparenonas clepmua

Myrunz  $\frac{\partial f}{\partial x} = \begin{cases} \frac{\partial f}{\partial z}, & \text{ecan } x = \max(x, y) \\ \frac{\partial f}{\partial x}, & \text{unable} \end{cases}$ 

Odracma lugamsema

