Back manyowhlaw no tos

$$A = g(2)$$
; $A, 2 \in \mathbb{R}^{(N_A, M)}$
 $2 = W A - pev$; $Aprev \in \mathbb{R}^{(U_X, M)}$; $W \in \mathbb{R}^{(N_A, N_X)}$

$$\frac{\partial z_{Re}}{\partial w_{ij}} = \left| \begin{array}{c} 0 & \text{if } R \neq i \\ \\ A_{preve}; & \text{if } R = i \end{array} \right| = A_{preve}; \quad \frac{\partial A_{Re}}{\partial t_{ij}} = g'(z_{Re}) \delta R_{i}i \delta e_{ij}$$

$$\frac{\partial A_{Re}}{\partial W_{ij}} = \sum_{e=1}^{N_{H}} \frac{M}{f=1} \frac{\partial A_{Re}}{\partial E_{ef}} \cdot \frac{\partial E_{ef}}{\partial W_{ij}} = \sum_{e=1}^{N_{H}} \frac{M}{f=1} g'(E_{Re}) \cdot \delta K_{i}e \cdot \delta E_{i}f \cdot A_{prev}f_{j} \cdot \delta e_{i}i$$

$$\frac{\partial \mathcal{L}}{\partial W_{ij}} = \frac{n_A}{\sum_{k=1}^{M}} \frac{M}{j^2} \frac{\partial \mathcal{L}}{\partial A_{Re}} \frac{\partial A_{Re}}{\partial W_{ij}} = \frac{n_A}{\sum_{k=1}^{M}} \frac{M}{j^2} \frac{\partial \mathcal{L}}{\partial A_{Re}} g'(2_{Re}) \cdot A_{peve_{ij}} \delta \kappa_{i} i =$$

=
$$\frac{m}{2} \frac{\partial k}{\partial Ail} \cdot g'(2ie) \cdot Alj = \left(\frac{\partial k}{\partial Ai'} \cdot g'(2ia) \cdot Aij + \dots + \frac{\partial k}{\partial Ai'} \cdot g'(2ina) Anaj\right)$$

$$\frac{\partial \mathcal{B}_{RR}}{\partial A_{prev_{i}}} = W_{Ri} \frac{\partial \mathcal{E}_{i}}{\partial \mathcal{E}_{i}}; \frac{\partial A_{RR}}{\partial A_{prev_{i}}} = \sum_{e=1}^{N_{A}} \frac{\partial A_{RR}}{\partial \mathcal{E}_{i}} \cdot \frac{\partial \mathcal{E}_{ef}}{\partial A_{prev_{i}}} = g'(\mathcal{F}_{RE}) \cdot W_{Ri} \cdot \mathcal{S}_{ej}$$

$$\frac{2h}{\partial A p w ij} = \sum_{c=1}^{N_A} \frac{M}{f=1} \frac{\partial k}{\partial A e f} \cdot \frac{\partial A e f}{\partial A p v e v ij} = \sum_{c=1}^{N_A} \frac{\partial k}{f=1} \cdot g(zef) \quad \text{Weii } \delta f ij$$

$$= \sum_{c=1}^{N_A} \frac{\partial k}{\partial A e j} g'(zej) \quad \text{Weii}$$

* Kelomed implementation.
$$\longrightarrow$$

$$dA_{prev} = W^{T} \cdot (dA \angle * g'(7))$$