Derholl:
$$Z_{j} = \begin{pmatrix} M^{T}A^{j}N^{j} \end{pmatrix} = \begin{pmatrix} XA_{j}eY \end{pmatrix}$$
, sum (-1) dims $(X)=2$

$$(1) = b_1 \times b_2 \times \cdots \times b_p$$

$$X$$
, restrict $(1,b,m)$, Y , restrict $(1,b,n)$, X . $Z = ((XA)eY)$, $SUM(-1)$, $t \in \mathbb{R}^{b \times L}$

I. minad
$$X = f(A, X, B, \alpha, \beta)$$

$$= AX + \beta B$$

2. bilinear:
$$Z = f(X, Y, A, b)$$

$$\lambda = \begin{pmatrix} \infty \\ \infty \end{pmatrix}$$
 $\gamma = \begin{pmatrix} \gamma' \\ \gamma' \end{pmatrix}$, $Z = \begin{pmatrix} 2 \\ 2 \end{pmatrix} = \begin{pmatrix} 2 \\ 2 \end{pmatrix}$

$$X.adaxis(-2),adlaxis(-2) < R.(1×1×1×m)$$

 $Y.allaxis(-2),adlaxis(-2) < R.(1×1×n×1)$

$$X.adl.axs(-2).adl.axis(-1) \in \mathcal{R}^{(1\times 1\times n\times 1)}$$

$$= (237/5) \times (23151)$$

$$= (237/5) \times (23151)$$

2 < 2 + b, restrape(1,1,7)

$$= (765) \div (165)$$

= (765)

method
$$2 : dims(X) = 2$$

 $1 : Z_{ij} = X_i^T A_j Y_i + b$

1.24Z+B