Pullback I vJp rule for matrix-ve der multiplication $f(A_1 \times) = A \times = = 3$ A eR X ER Z ER tash: bach propagak ZERM to AERMIN & SERN $\overline{A} = \overline{Z} + \frac{\partial +}{\partial \underline{A}}$ $\frac{\overline{x}}{\overline{x}} = \frac{5}{2} \frac{9\overline{x}}{94}$ ihdex notation primal: Zi = f (A,x) = Ajxo $X_{\mu} = \Xi_{i} A_{ij} \delta_{i\mu}$ Xu= Zi Aik back to symbolic notation $X = A^T Z$ DANE DANE X° = Jin Je X° Aue = Zi dive die xo => Aue= Zu Xe in Symbolic notation $A = \bar{2} X^T$

 $B(f_1(\underline{z}_1)_1(\underline{z}_1)) = ((\underline{z}_1)_1(\underline{z}_$