df = 0.21 0.48

$$\frac{\partial}{\partial x} = \frac{\partial u}{\partial x} \cdot \frac{\partial f}{\partial u} = \hat{w}^{T} \cdot \frac{\partial f}{\partial y} = \begin{bmatrix} 0.21 \\ -1.2 \\ -1.2 \\ 1.-1.-2 \end{bmatrix} \begin{bmatrix} 0.21 \\ 0.09 \end{bmatrix} = \begin{bmatrix} 0.21 + 0.09 \\ -0.21 + 0.09 \\ 0.2 - 0.18 \end{bmatrix}$$

$$\frac{\partial f}{\partial x} = \begin{bmatrix} 0.3 \\ -0.03 \\ -0.12 \end{bmatrix}$$