hij =
$$\frac{\partial^2 E}{\partial w_i \partial w_j} = (x_i x_j) = \frac{1}{2} \times x_i^{(p)} \times x_j^{(p)}$$
 $\hat{X} = X + \begin{bmatrix} 1000 \\ 1000 \end{bmatrix} = \begin{bmatrix} 1000 \\ 1000$