Furkan kaya 1912-16002 Honework OT Sayfa 1 $\chi = \begin{bmatrix}
0.1 & 1 \\
0.7 & 1.1 \\
1 & 1
\end{bmatrix}$ $\psi_{1} = \begin{bmatrix}
0.1 & 0.25 & 0.5 & 0.3 \\
0.4 & 0.15 & 0.2 & 0.1
\end{bmatrix}$ $\psi_{1} = \begin{bmatrix}
0.1 & 0.25 & 0.5 & 0.3 \\
0.4 & 0.15 & 0.2 & 0.1
\end{bmatrix}$ $\psi_{1} = \begin{bmatrix}
0.15 & 0.25 & 0.5 & 0.2 \\
0.4 & 0.3 & 0.2 & 0.1
\end{bmatrix}$ b=[0000] Aktivasyon fonksiyonu olarak RELU Eullanalmistir. cost fontsiyonu = MSE 7 5 (9, -9,) 0.30025 $H_1 = (0.2 \times 0.1) + (0.1 \times 0.25) + (1.1 \times 0.5) + (1 \times 0.3) + 0 = 0.895$

$$H_1 = (0.2 \times 0.1) + (0.1 \times 0.25) + (1.1 \times 0.5) + (1 \times 0.3) + 0 = 0.895$$

$$H_2 = (0.2 \times 0.4) + (0.1 \times 0.15) + (1.1 \times 0.2) + (1 \times 0.1) + 0 = 0.415$$

$$O_1 = (0.895 \times 0.15) + (0.415 \times 0.4) = 0.30025$$

$$O_2 = (0.895 \times 0.25) + (0.415 \times 0.3) = 0.34825$$

$$O_3 = (0.895 \times 0.5) + (0.415 \times 0.2) = 0.5305$$

$$O_3 = (0.895 \times 0.2) + (0.415 \times 0.2) = 0.2205$$

$$O_4 = (0.895 \times 0.2) + (0.415 \times 0.2) = 0.2205$$

 $\frac{1}{4}\left((1-0.30025)^{2}+(0-0.34825)^{2}+(0-0.5305)^{2}+(1-0.2205)^{2}\right)$ = 0.37499465625