New weight matrix for second layer is:

$$\hat{W}_{KL} = \begin{bmatrix} 0.10752 & 0.402657 & 0.804837 \\ 0.307553 & 0.702663 & 0.207847 \\ 0.50785 & 0.202776 & 0.905053 \end{bmatrix}$$