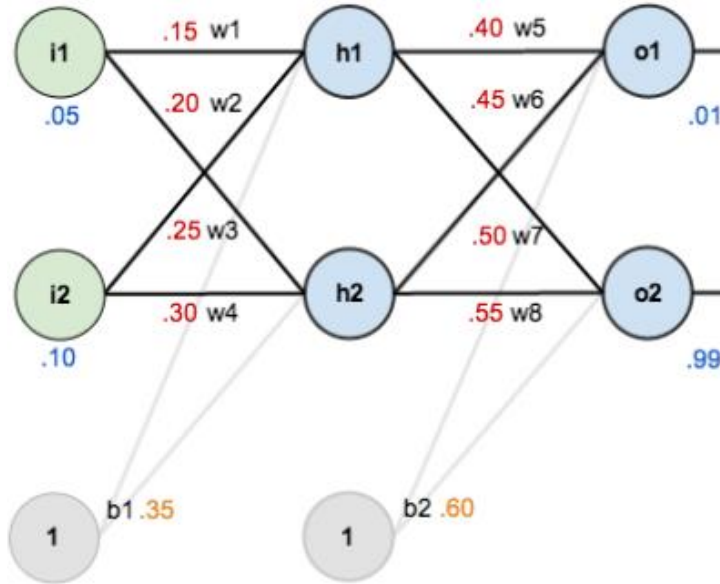


Q3.

Consider the network below:



($i1-h2=w3=.25$, $i2-h1=w2=.20$, $h2-o1=.45$ and $h1-o2=.50$)

- The network uses sigmoid activation function. Compute the total error that has to be back propagated through the network. [5]
- Find the output at $o1$ and $o2$ if the activation function at the output layer is changed to Relu? [1]
- Find the output of the network if a softmax layer is introduced after $o1$, $o2$ layer? [1]