

Neural Net Matrix operation

1. Use matrix operations to calculate the initial output for the neural net below, given the following weights
2. Assuming actual values for output layer of ($O_X = 8$, $O_Z = .2$) adjust the weights only once

Input

From/To	Input
xx	1
1	0.4
2	0.2
3	0.7

Input to Hidden
Layer

From/To	A	B
xx	0.5	0.7
1	0.6	0.9
2	0.8	0.8
3	0.6	0.4

Hidden to Output
Layer

From/To	X	Z
xx	0.5	-0.5
A	0.9	-0.85
B	0.9	-0.85

Actual Output

Actual Output
0.8
0.2

Neural Network with Three Layers

