## Neural Net Matrix operation

- 1. Use matrix operations to calculate the initial output for the neural net below, given the following weights
- 2. Assuming <u>actual</u> 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

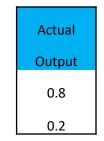
Input to Hidden Layer

From/To	А	В
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	Х	Z
xx	0.5	-0.5
А	0.9	-0.85
В	0.9	-0.85

**Actual Output** 



## Neural Network with Three Layers

