



4 Possible
Input Combinations

0	0.5	0.5
0	1.0	1.0

Hidden Layer
Weight Matrix

1	1	1	1
0	0	1	1
0	1	0	1

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0.0	0.5	0.5	1.0
0.0	1.0	1.0	2.0

$\mathbf{z}^{(1)}$

Hidden Layer
Activations
1 Col. Per Input

0	0	0	1
0	1	1	1

φ

+ $\mathbf{d}[0] = 1$

Output Layer
Weight Matrix

0	-1	1
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1	1	1	1
0	0	0	1
0	1	1	1

Activations
Hidden Layer

$\mathbf{z}^{(2)}$

0	1	1	0
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φ

0	1	1	0
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Output $\times 4$
1 Col. Per Input