

2
1
3

↓

1	-1	1	-5
1	1	0	0
0	1	1	1
1	0	1	-2

→

-1
3
5
3

$\approx \Phi$

4

0
3
5
3

↓

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

→

-2
3

$\approx \Phi$

6
3

2	1	0
1	1	1
3	0	1

↓

1	-1	1	-5
1	1	0	0
0	1	1	1
1	0	1	2

→

-1	-5	-5
3	2	1
5	2	3
3	-1	-1

$\phi \approx$

0	0	0
3	2	1
5	2	3
3	0	0

↓

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

→

-2	0	-3
3	3	4

$\phi \approx$

0	0	0
3	3	4

3	5
4	4
5	3

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

5 3  
4 4  
3 5  
7 9  
9 7

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

6 2  
1 7

1 1  
1 -1  
1 2

7 9  
5 ~~5~~ 0  
8 16

ReLU was applied at every layer.

1 -1 0  
0 -1 1

2 9  
3 16

0 1  
1 0

3 16  
2 9

1 -1  
1 1

1 7  
5 25

1 -1

-4 -18