Hidden Layer 1 Weight Matrix

	①	②
③	+0.10	−0.20	+0.11
④	−0.19	+0.09	−0.13
⑤	+0.04	+0.11	−0.02

Input Layer

$\mathbf{d}_1$	$\mathbf{d}_2$	$\mathbf{d}_3$	$\mathbf{d}_4$
1.00	1.00	1.00	1.00
0.04	0.84	0.50	0.53
0.81	0.58	0.07	1.00

=

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

+0.1811	−0.0042	+0.0077	+0.1040
−0.2917	−0.1898	−0.1541	−0.2723
+0.0282	+0.1208	+0.0936	+0.0783

φ

Activations Hidden Layer 1

0.1811	0.0000	0.0077	0.1040
0.0000	0.0000	0.0000	0.0000
0.0282	0.1208	0.0936	0.0783

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

Hidden Layer 2 Weight Matrix

	③	④	⑤
⑥	+0.15	−0.04	+0.10	+0.06
⑦	+0.12	+0.20	+0.14	−0.09

Activations Hidden Layer 1

1.0000	1.0000	1.0000	1.0000
0.1811	0.0000	0.0077	0.1040
0.0000	0.0000	0.0000	0.0000
0.0282	0.1208	0.0936	0.0783

=

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

+0.144448	+0.157248	+0.155308	+0.150538
+0.153682	+0.109128	+0.113116	+0.133753

φ

Activations Hidden Layer 2

0.1444	0.1572	0.1553	0.1505
0.1537	0.1091	0.1131	0.1338

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

Output Layer Weight Matrix

	⑥	⑦
⑧	+0.10	+0.12	−0.50

Activations Hidden Layer 2

1.0000	1.0000	1.0000	1.0000
0.1444	0.1572	0.1553	0.1505
0.1537	0.1091	0.1131	0.1338

=

$\mathbf{Z}^{(3)}$

+0.040478	+0.064314	+0.062086	+0.05116

φ

Activations Output Layer

0.0405	0.0643	0.0621	0.0512