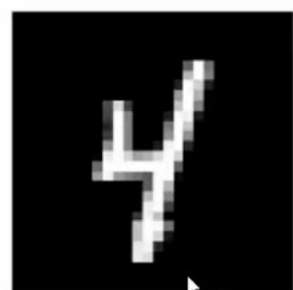
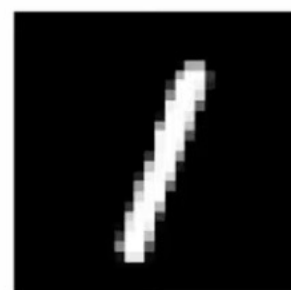


Coding Example of ANN



4 (4)



1 (1)



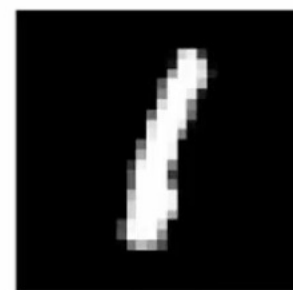
0 (0)



7 (7)



8 (8)



1 (1)



2 (2)



7 (7)



1 (1)



x_1

x_2

x_3

...

x_n

$\Sigma \mid \sigma$

→ **0**

0.29

$\Sigma \mid \sigma$

→ **1**

0.07

$\Sigma \mid \sigma$

→ **2**

0.92

$\Sigma \mid \sigma$

→ **3**

0.08

$\Sigma \mid \sigma$

→ **4**

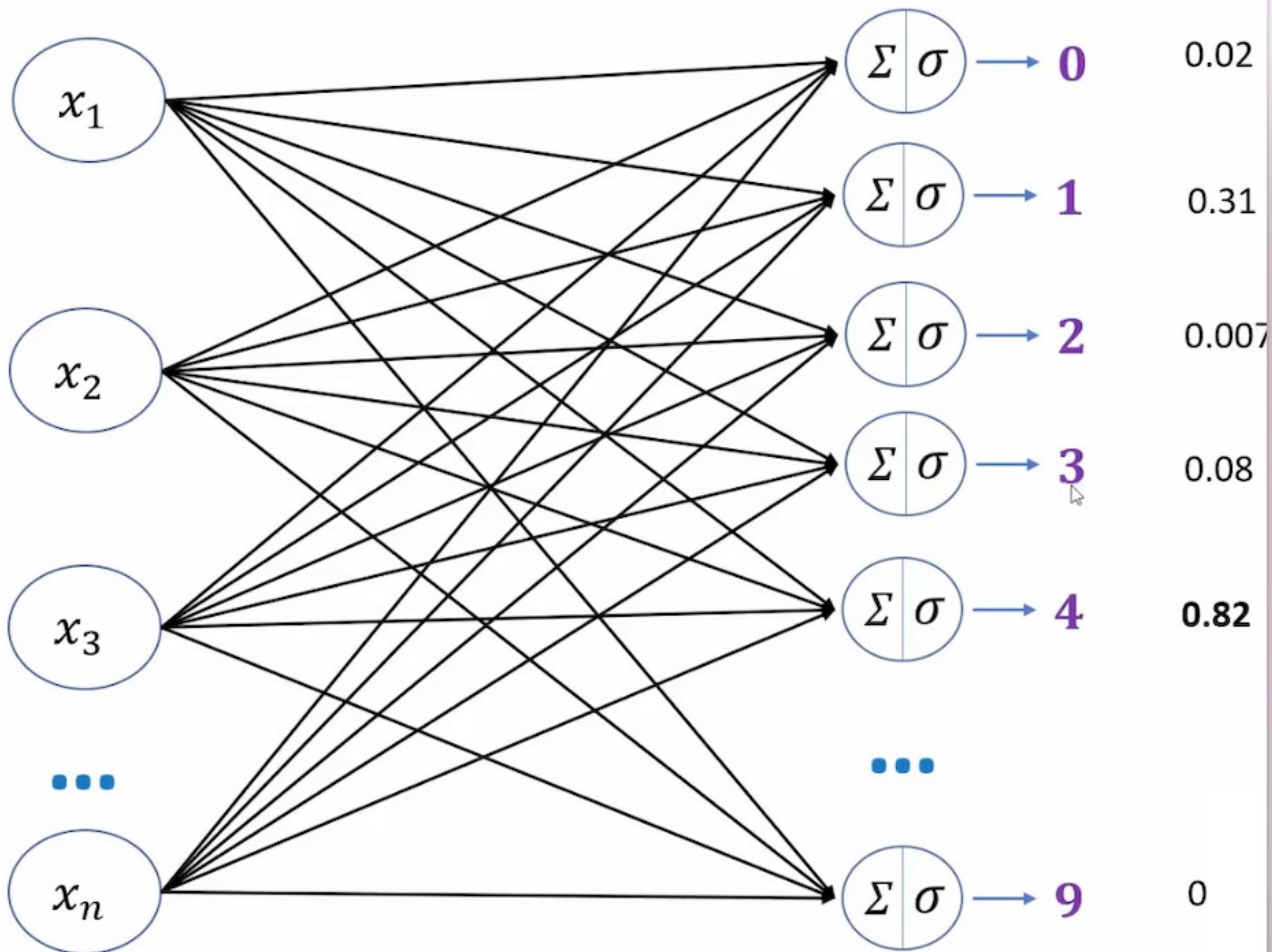
0.001

...

$\Sigma \mid \sigma$

→ **9**

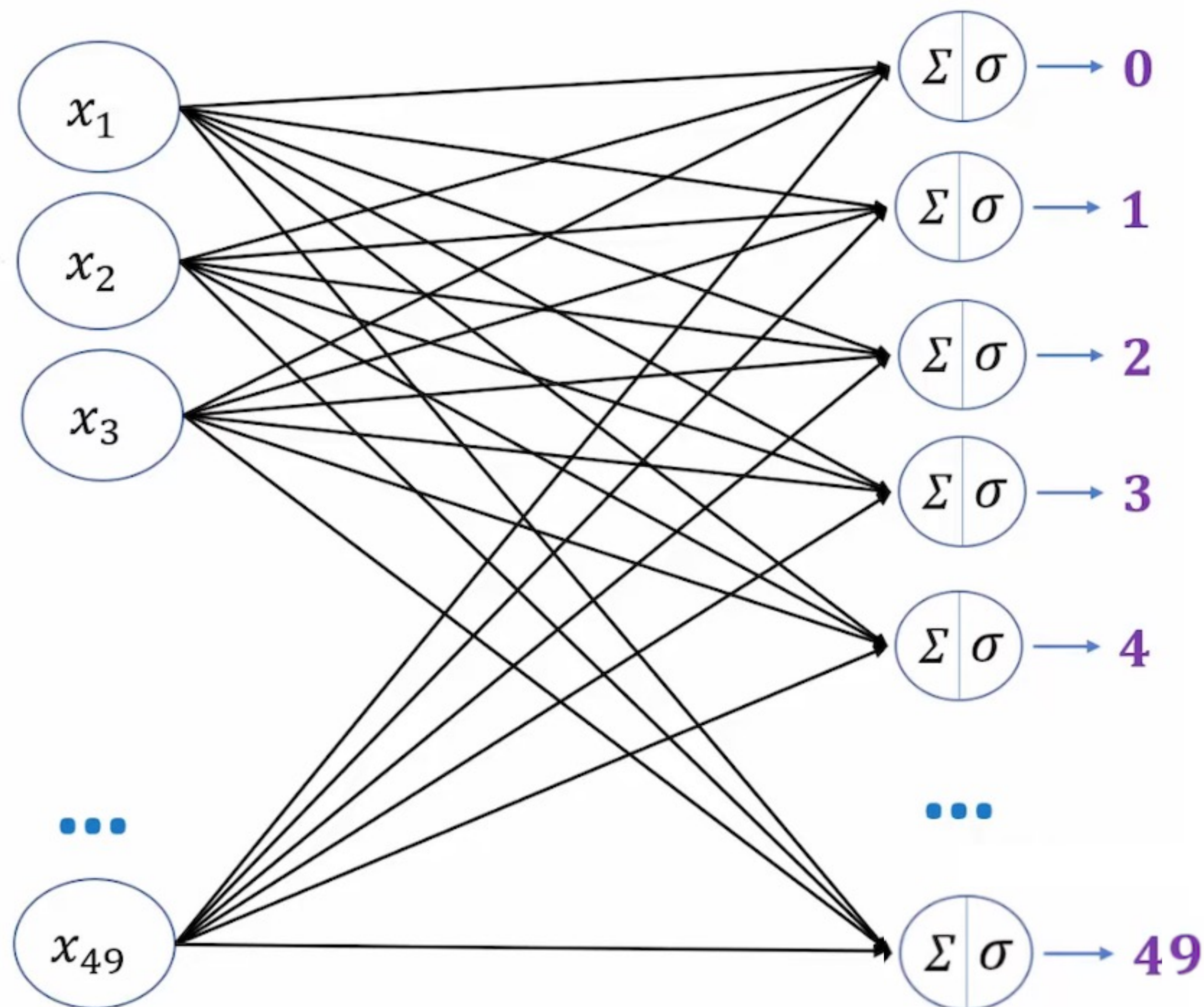
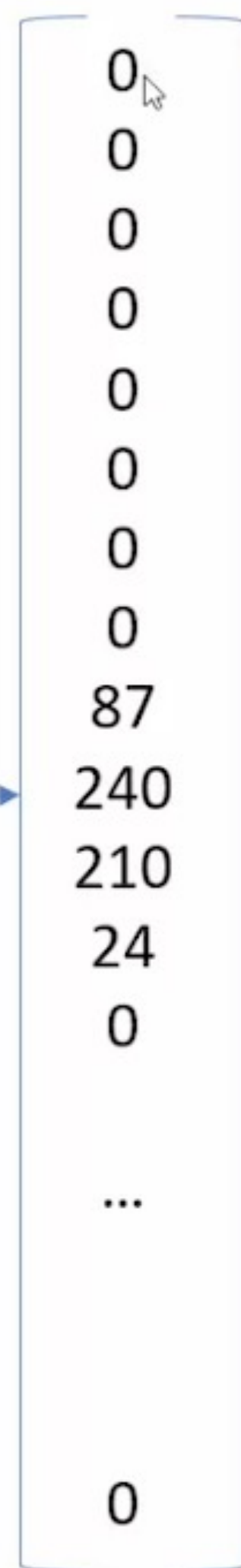
0





0	0	0	0	0	0	0
0	87	240	210	24	0	0
0	13	0	101	195	0	0
0	35	167	99	210	0	0
0	145	230	240	201	189	140
0	0	102	67	17	13	0
0	0	0	0	0	0	0

7 by 7 grid

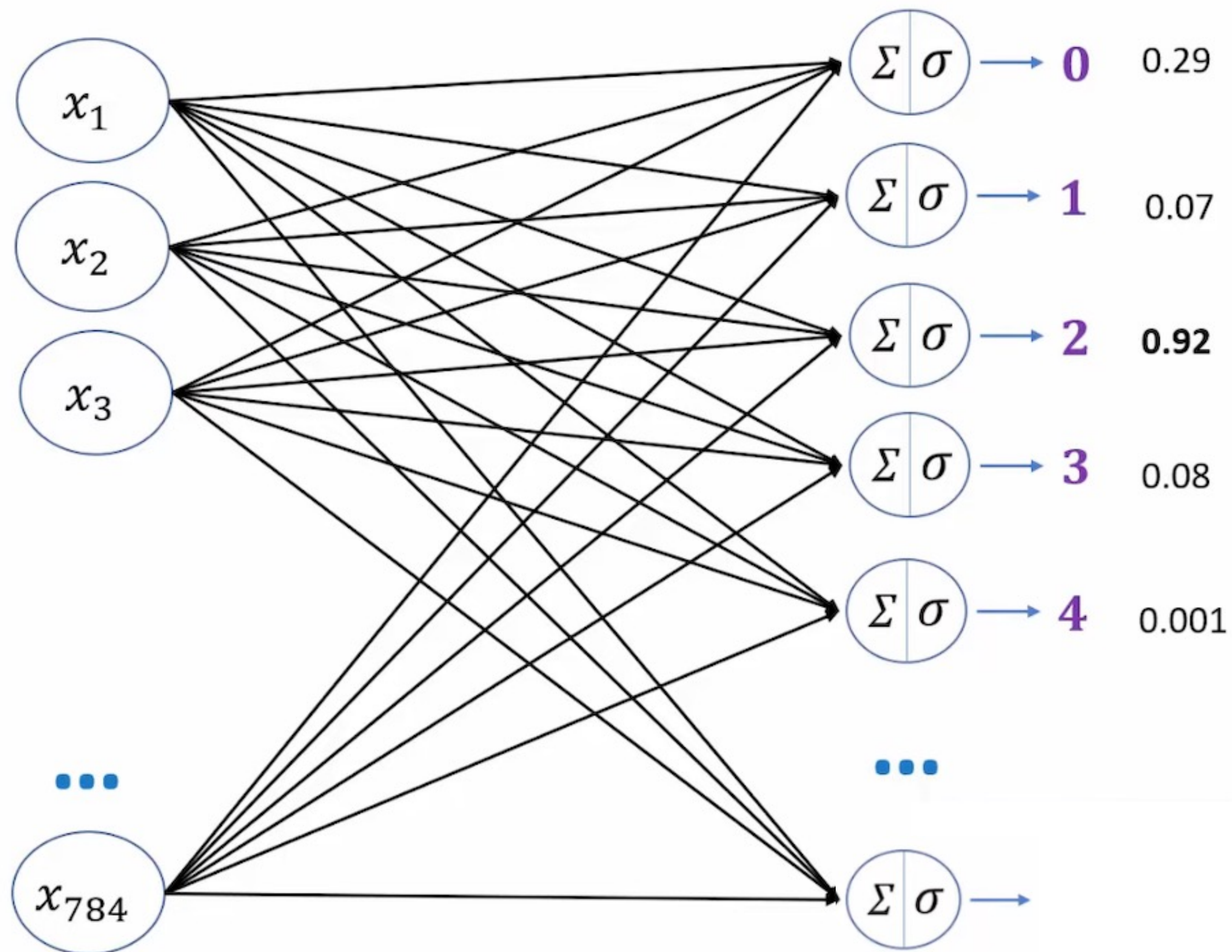




0	0	0	0	0	...	0
0	87	240	210	24	...	0
0	13	0	101	195	...	0
0	35	167	99	210	...	0
0	145	230	240	201	...	140
...
0	0	0	0	0	...	0

28 by 28 grid

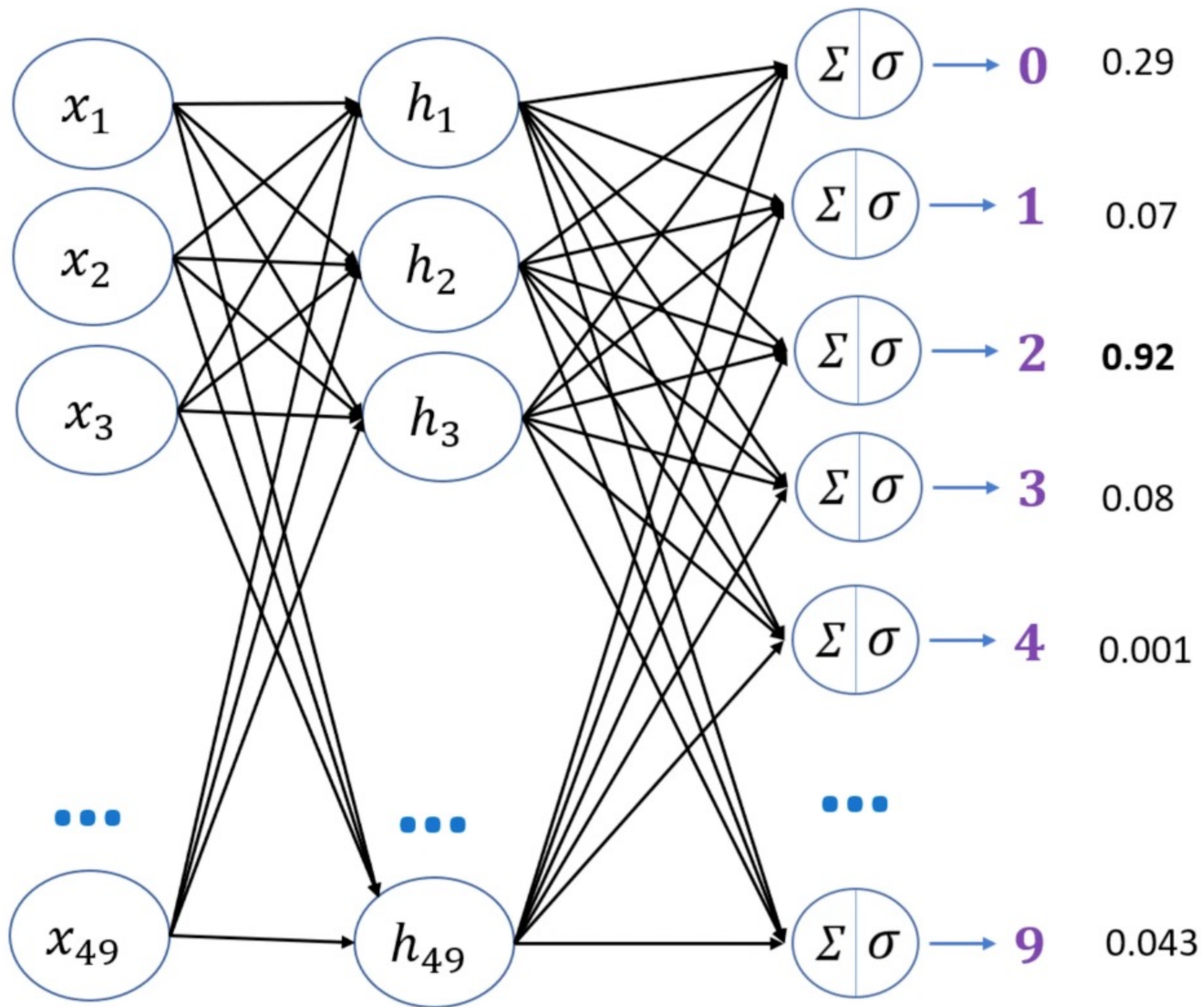
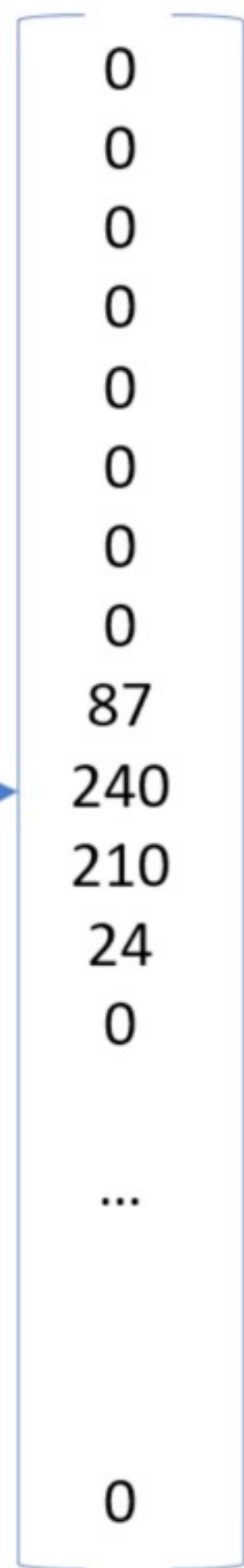
$\begin{bmatrix} 0 \\ 0 \\ 0 \\ 0 \\ 0 \\ \dots \\ 0 \\ 0 \\ 87 \\ 240 \\ 210 \\ 24 \\ 0 \\ \dots \\ 0 \end{bmatrix}$





0	0	0	0	0	0	0
0	87	240	210	24	0	0
0	13	0	101	195	0	0
0	35	167	99	210	0	0
0	145	230	240	201	189	140
0	0	102	67	17	13	0
0	0	0	0	0	0	0

7 by 7 grid



$$49 \times 49 = 2401$$

$$49 \times 10 = 490$$