$$He = \begin{pmatrix} 1 \\ 0 \\ 0 \end{pmatrix} \text{ is } = \begin{pmatrix} 0 \\ 1 \\ 0 \end{pmatrix} \text{ King } = \begin{pmatrix} 0 \\ 0 \\ 1 \end{pmatrix}$$

Input Layer 3x3

Output Layer 3x3

$$\left(\begin{array}{cccc} 0 & 1 & 0 \end{array}\right) \left(\begin{array}{cccc} 1 & 1 & 1 \\ 2 & 2 & 2 \\ 3 & 3 & 3 \end{array}\right) = \left(\begin{array}{cccc} 2 & 2 & 2 \end{array}\right) \left(\begin{array}{cccc} 0.1 & 0.2 & 0.3 \\ 0.1 & 0.2 & 0.3 \\ 0.1 & 0.2 & 0.3 \end{array}\right)$$