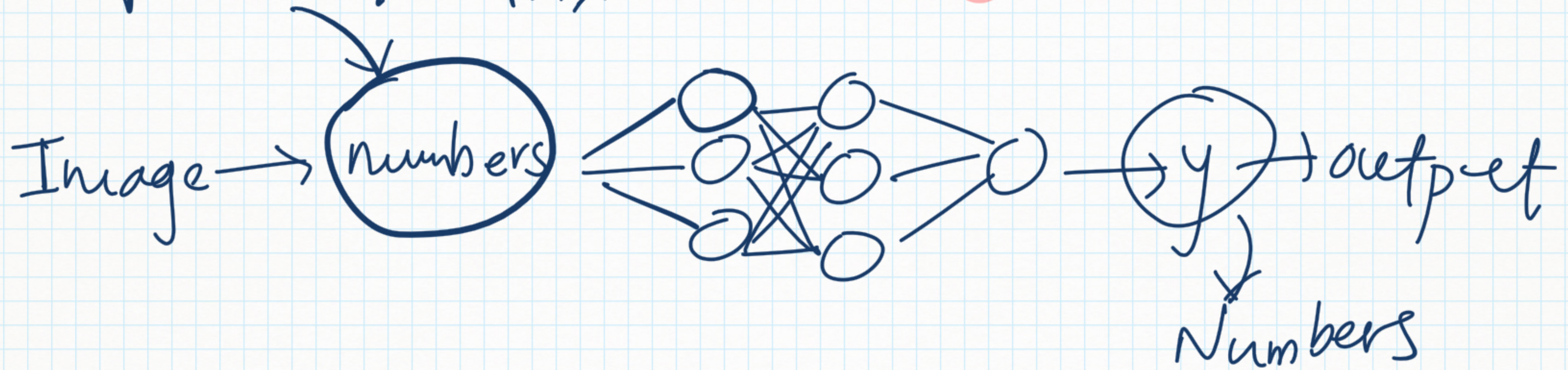


# Deep Learning

of vector/matrix



manipulate the no. to get desired  
o/p



→ tensor is a basic mathematical unit  
of vectors/matrix

vectors 1-D tensor  $\Rightarrow \begin{bmatrix} 1 \\ 2 \end{bmatrix}$

matrix 2-D tensor  $\Rightarrow \begin{bmatrix} 1 & 1 \end{bmatrix}$

tensor  $\rightarrow \begin{bmatrix} [ ] & [ ] & [ ] \\ [ ] & [ ] & [ ] \end{bmatrix}$