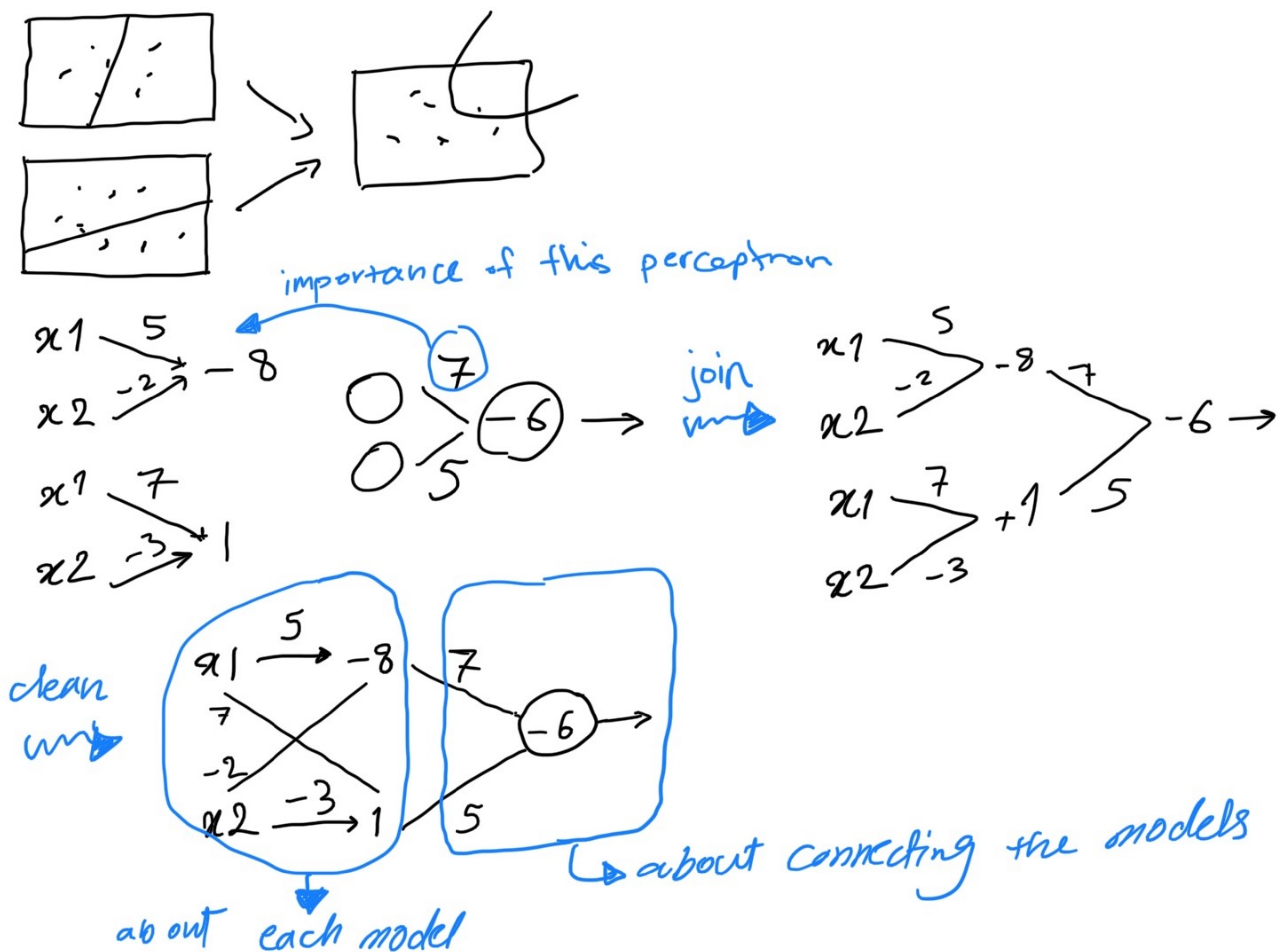
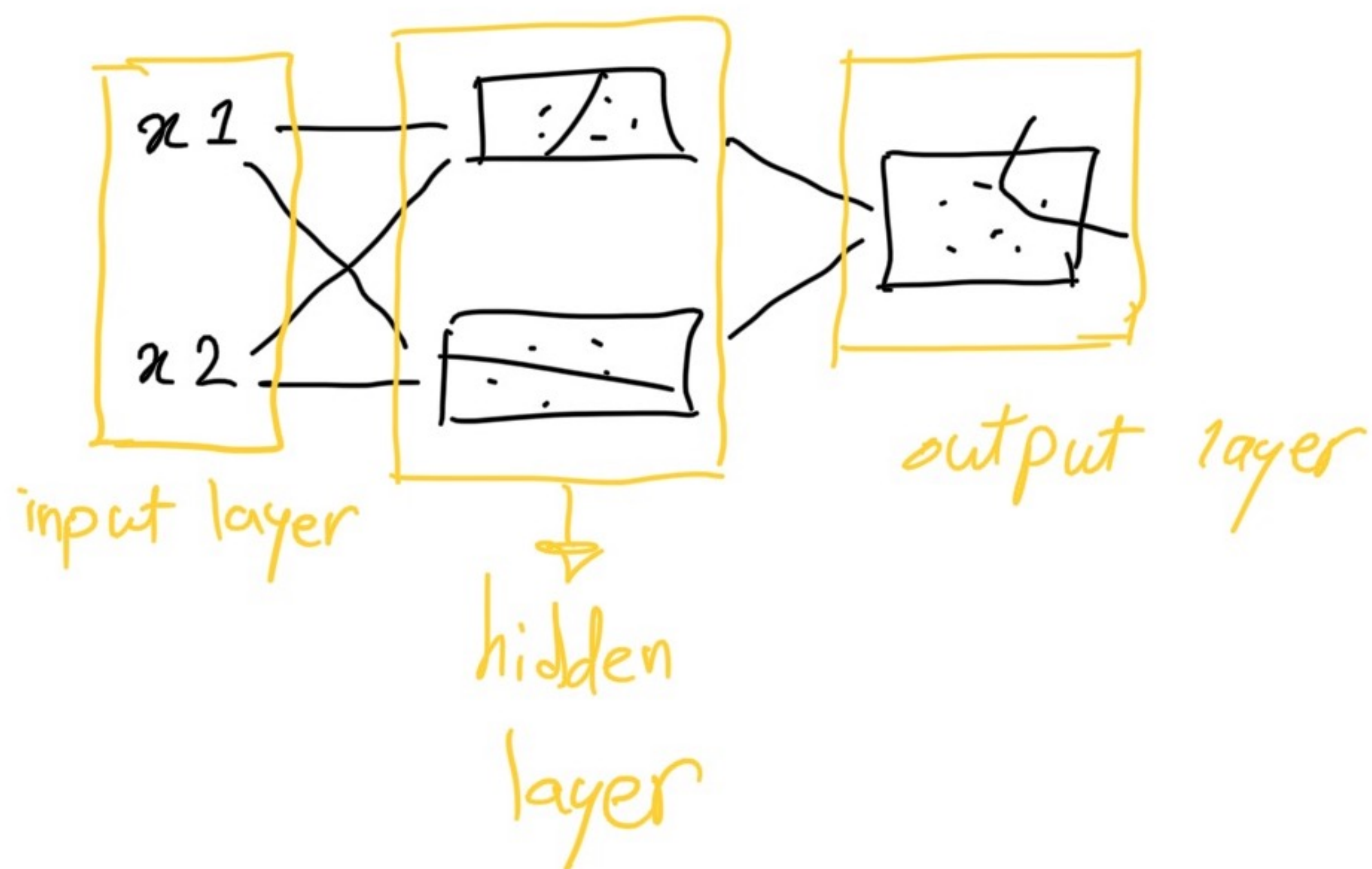


Neural Network Architecture:



Multiple layers:



increasing number of input nodes to $n \rightarrow \underline{n}$ -dim data

Deep Neural Networks:



Multiclass classification:

class A }
class B } $\xrightarrow{\text{option 1}}$ three binary classification networks
class C }

then we can use softmax or max

option 2 \rightarrow adding more nodes to the output layer!