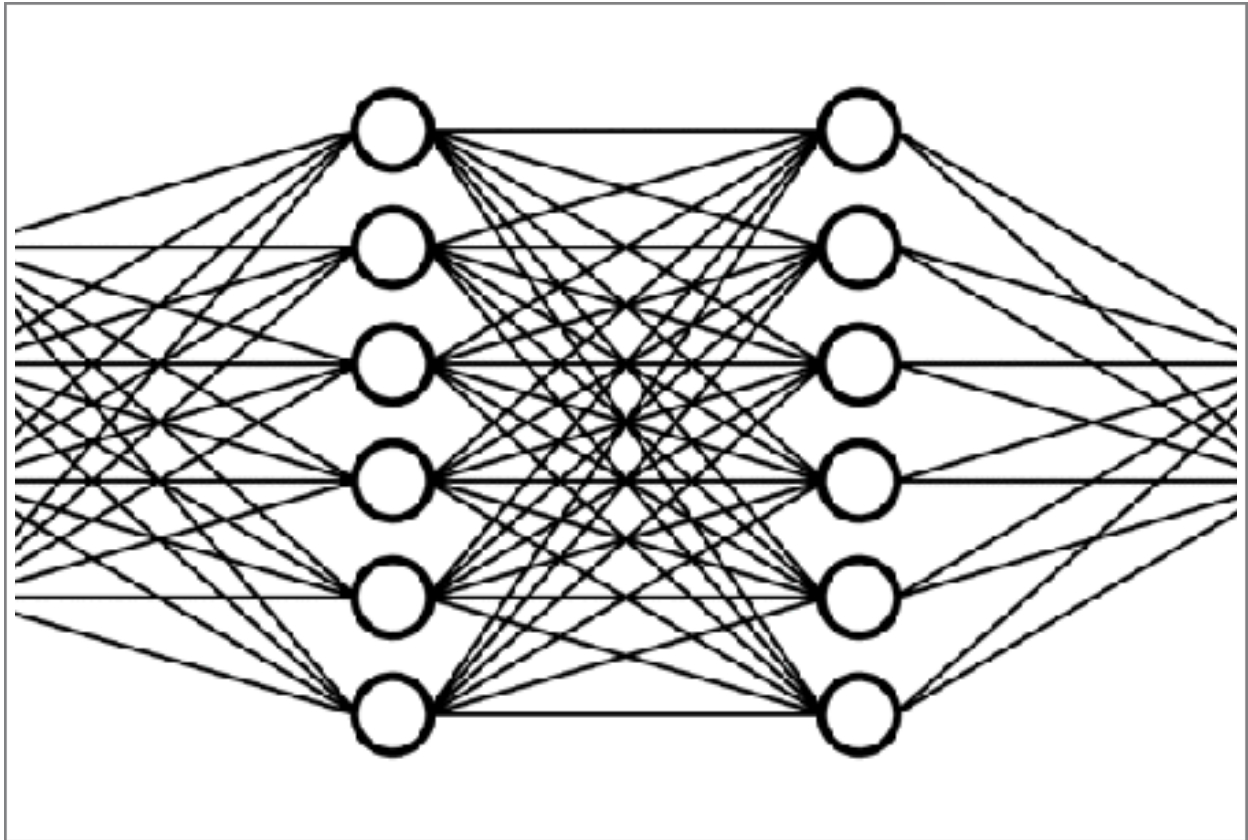


# Building Neural Network

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1. The network basic form contains 3 layers, as explained in the book (784, 30, 10). The program first convert the picture into pixels values, which will be the first layer activation values.
2. Unlike the model that is described in the book, my model contains special neurons for each layer (except the last layer). Those special neurons will constitute the bias concept as we learned in class.
3. The activation of each bias neuron always returns 1.
4. A drawing of the model is attached.
5. The project contains also advanced versions of the models, that yields better success rate. In the top of teach python script file of the advanced versions I described the change I added to the model in the current version.

