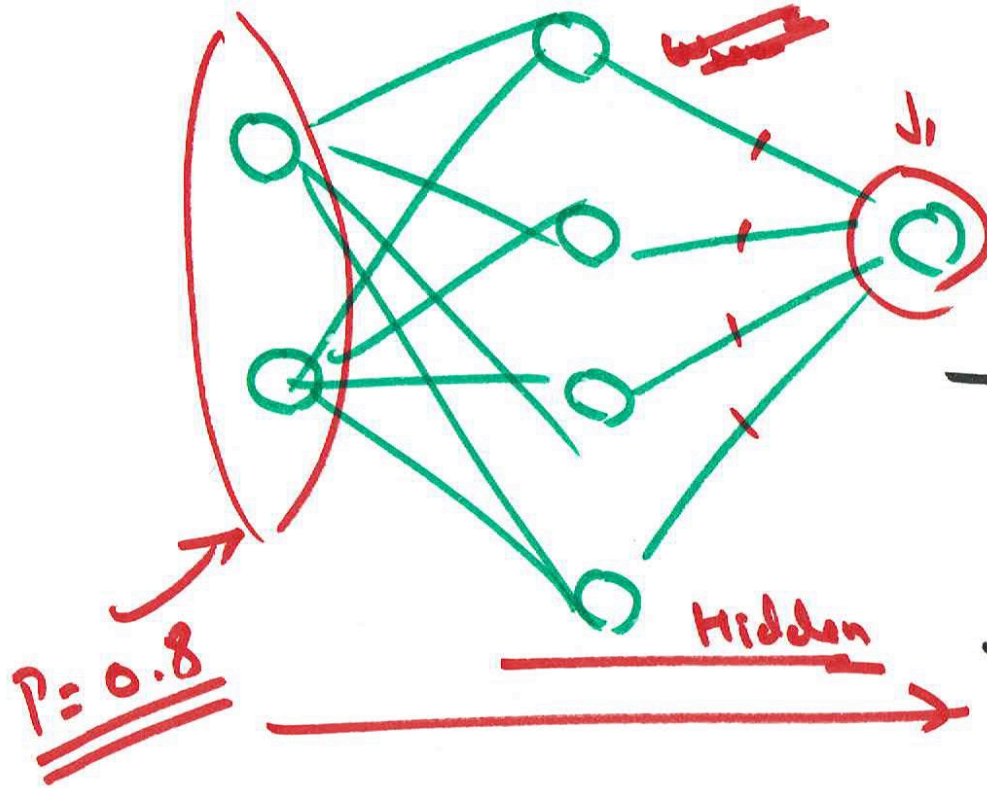
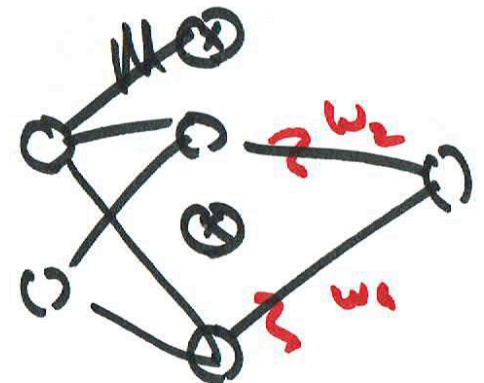
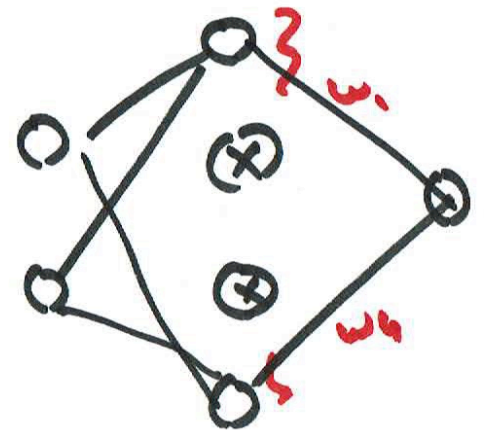
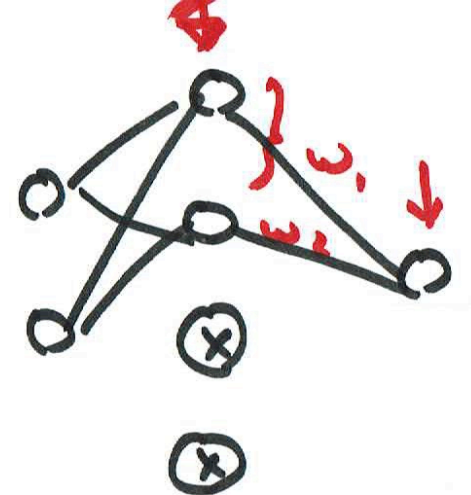


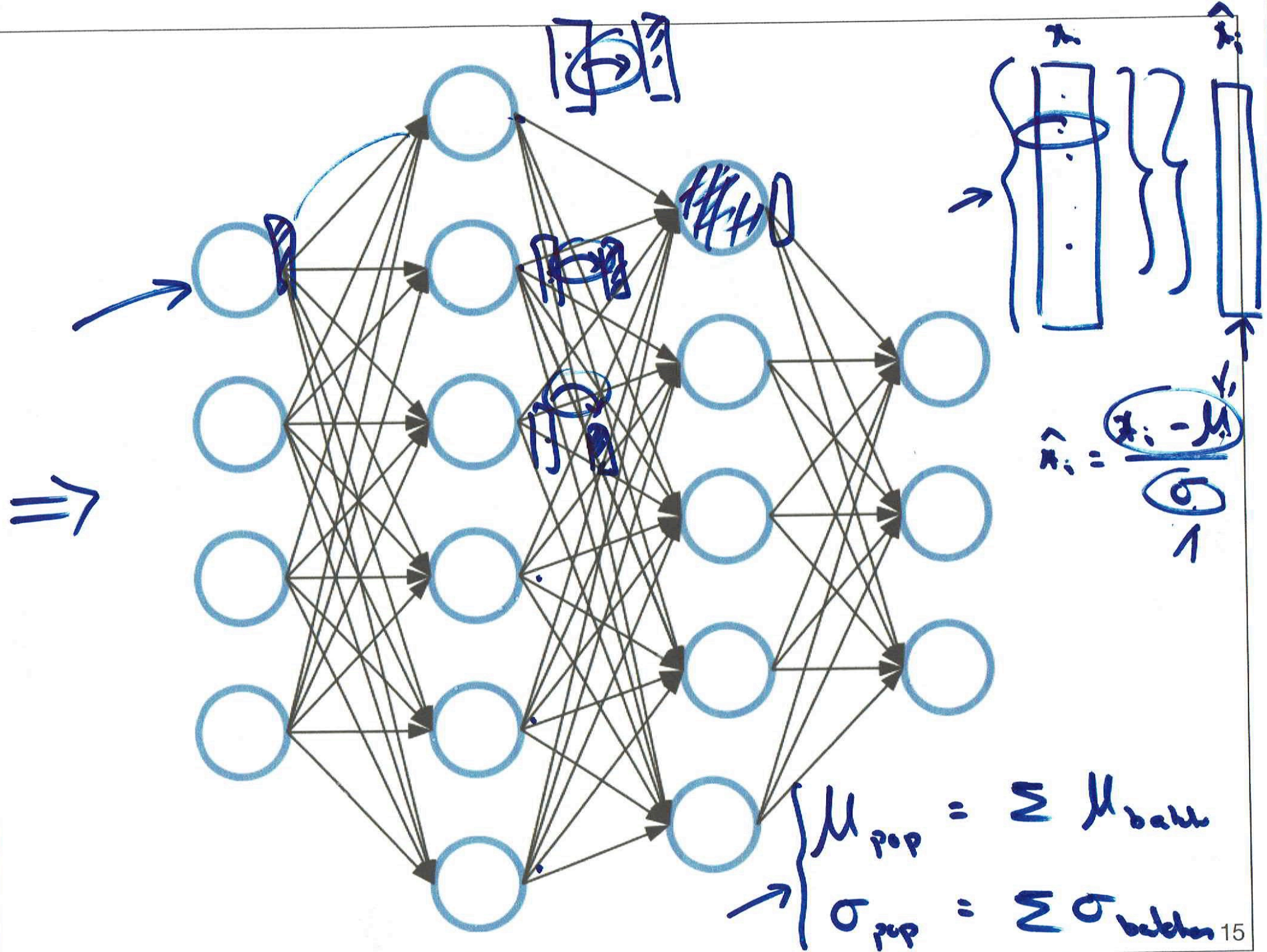
Dropout

$p = 0.5$



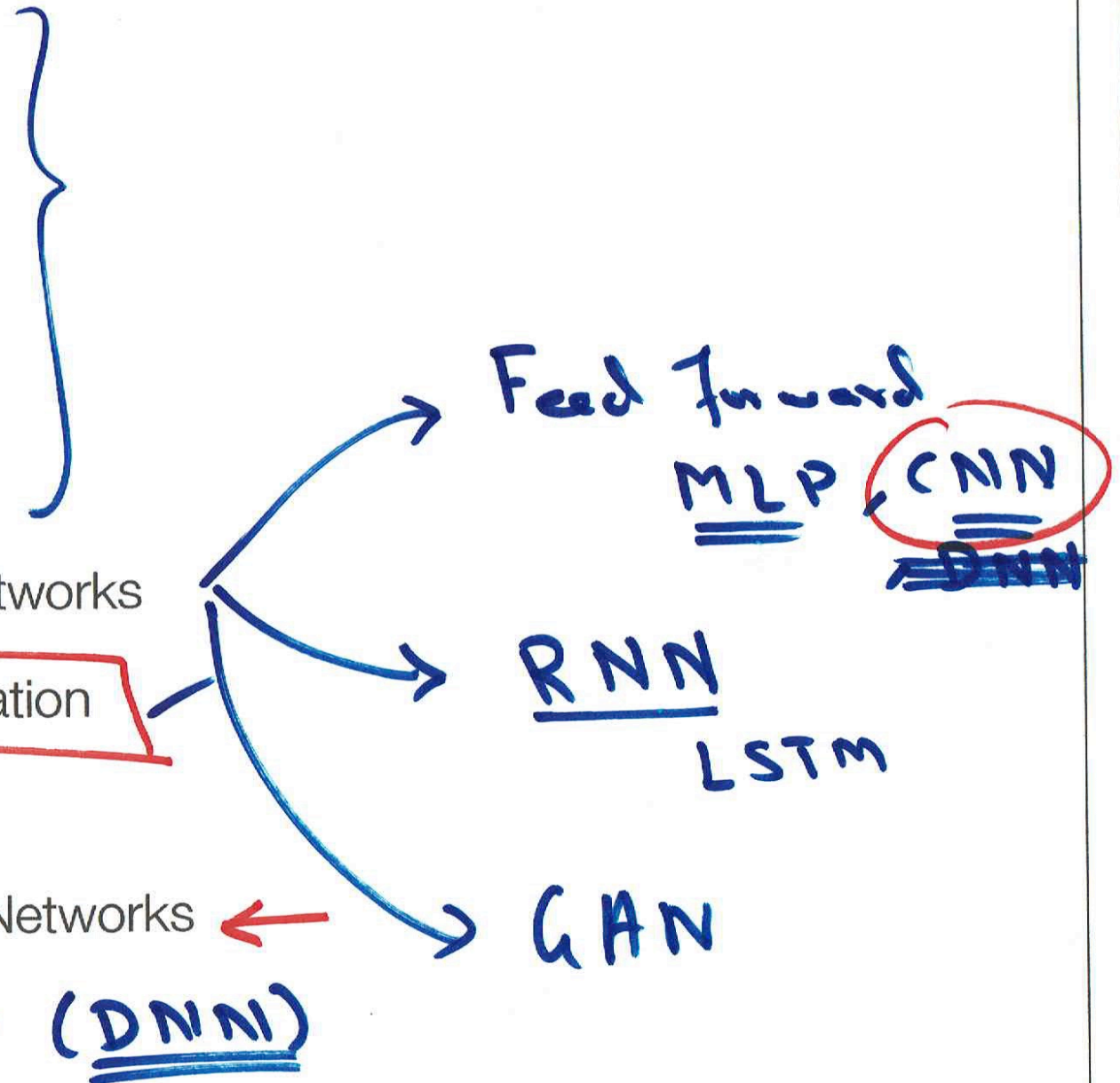
$$w_{ij}' = w_{ij} \times 0.5$$

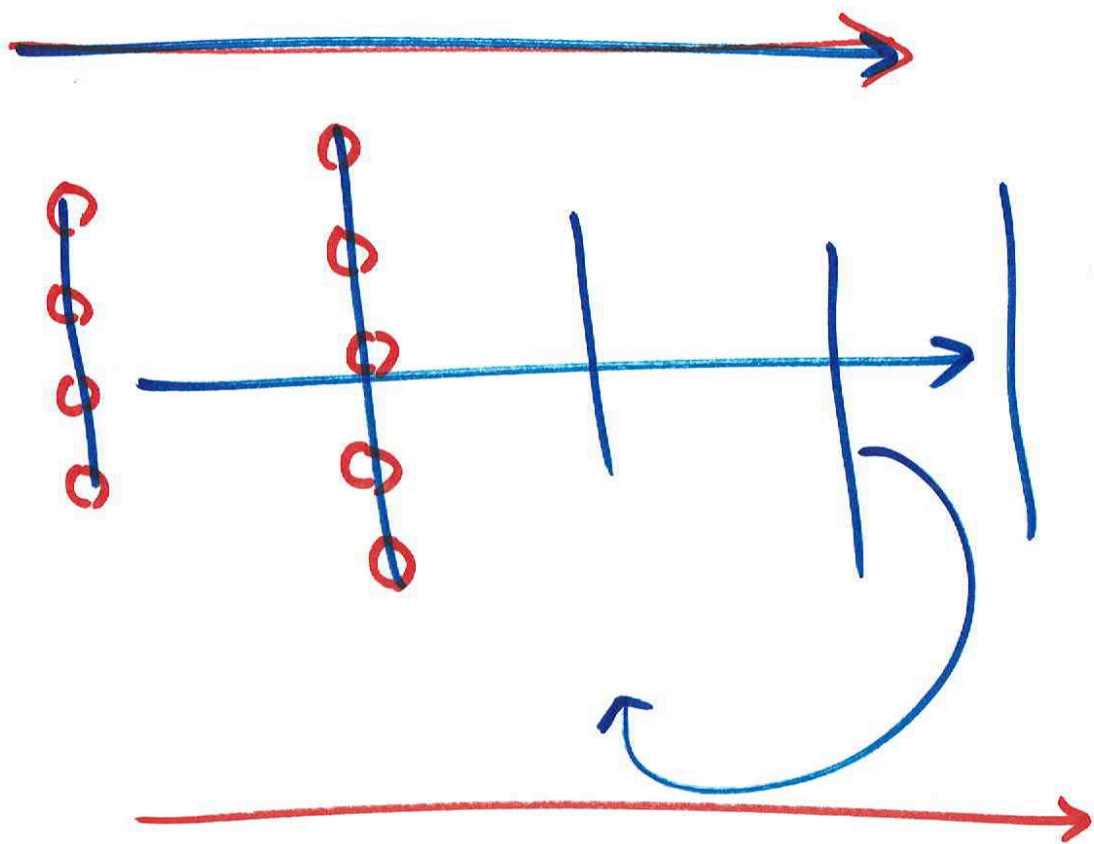


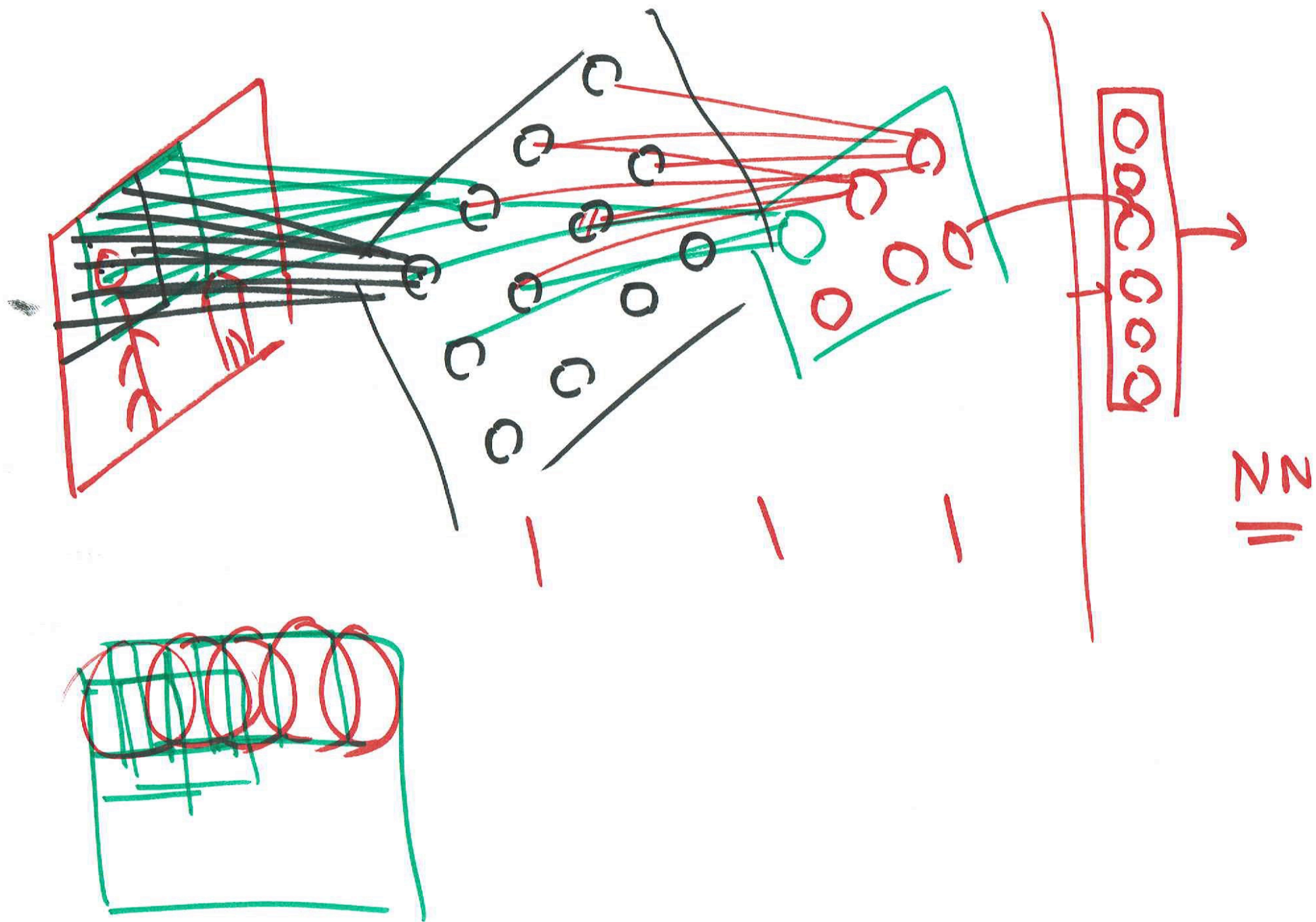


A lot more details to talk about

- Activation functions
- Training
- Loss functions
- Back propagation
- Gradient descent
- Other types of Neural Networks
- Overfitting and Regularization
- Neural Net Structures
- Convolutional Neural Networks
- Deep Learning Networks

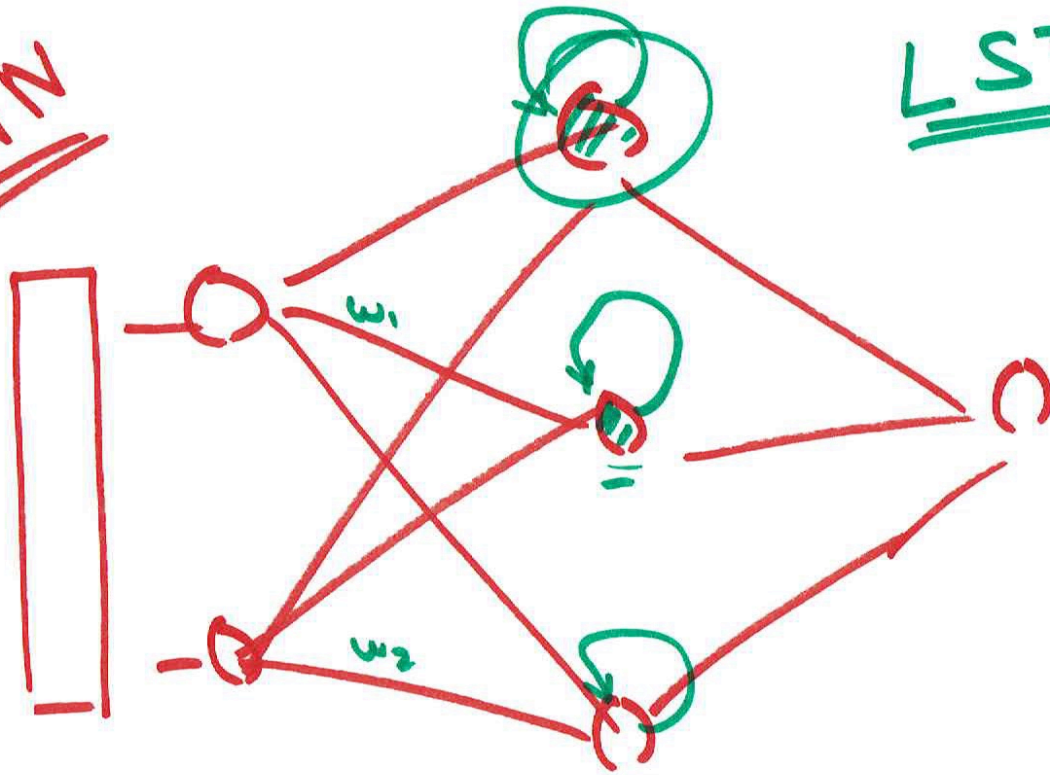






RNN

LSTM



$$\omega_1 x' + \omega_2 x' = Z$$

$$\omega_1 x' + \omega_2 x' + \omega_3 z^{old} = Z$$

