IV. Can you calculate this by hand? [No.4: Three Inputs]
My five hands-on exercises to teach the basics of deep learning

[Exercise 4 of 5: A Batch of Three Inputs]

This exercise allows students to practice the following:

1. Inputs: The network takes a batch of three input vectors (x1, x2, x3), each corresponds to a column in the top-most matrix.
2. Shade each corresponding pair of weight vector (row) and feature vector (column) using a unique color
3. Calculate each missing value by taking the dot product between corresponding weight vector and feature vector
4. See that the same set of weights are applied to each input, x1, x2, x3

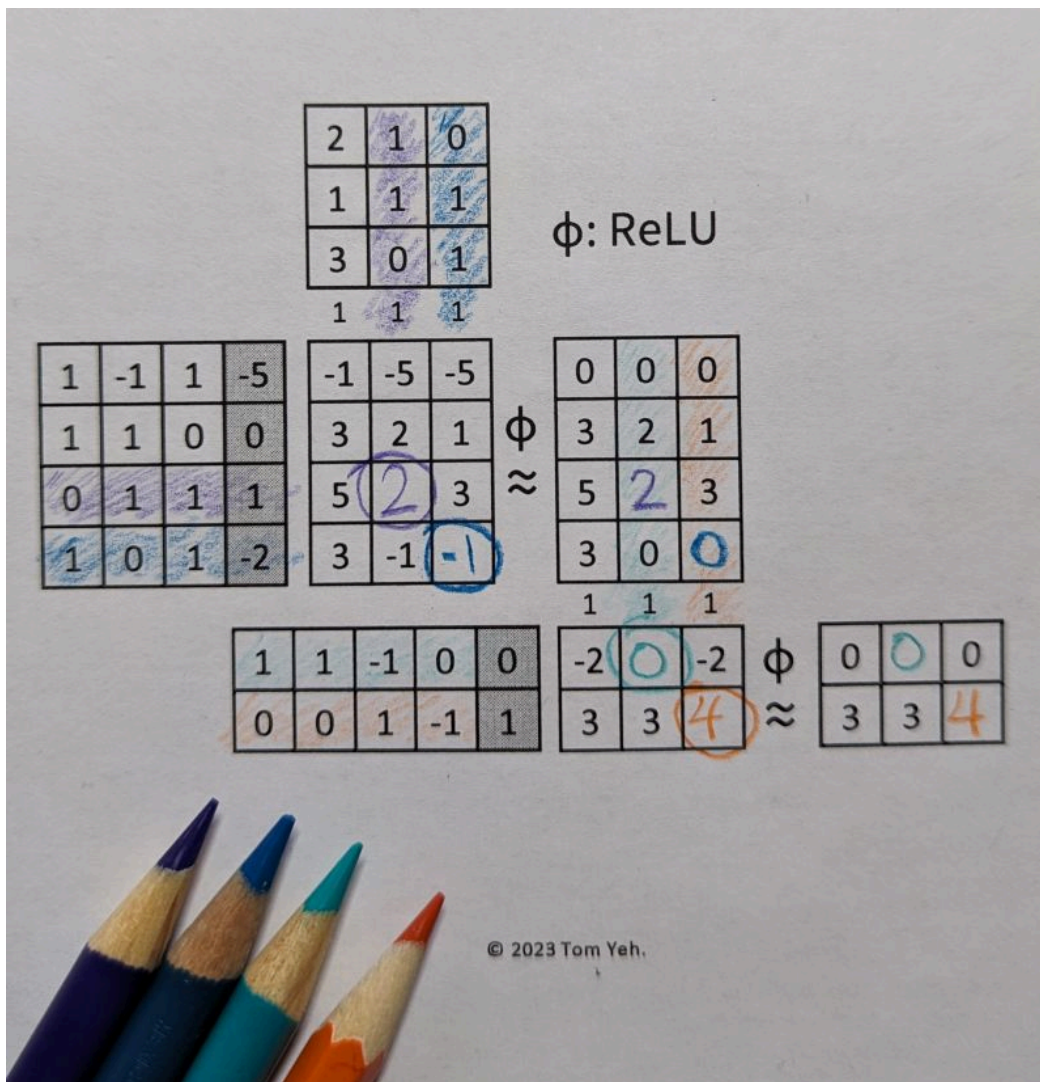Next, I will complete this series of five hands-on exercises by going deep!

Review the first three exercises:
[1] Single Neuron: https://lnkd.in/gKqEGPgf
[2] Four Neurons: https://lnkd.in/gc-qwJ6X
[3] Hidden Layer: https://lnkd.in/gwDXEGsM

#deeplearning #neuralnetworks

φ: ReLU

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