

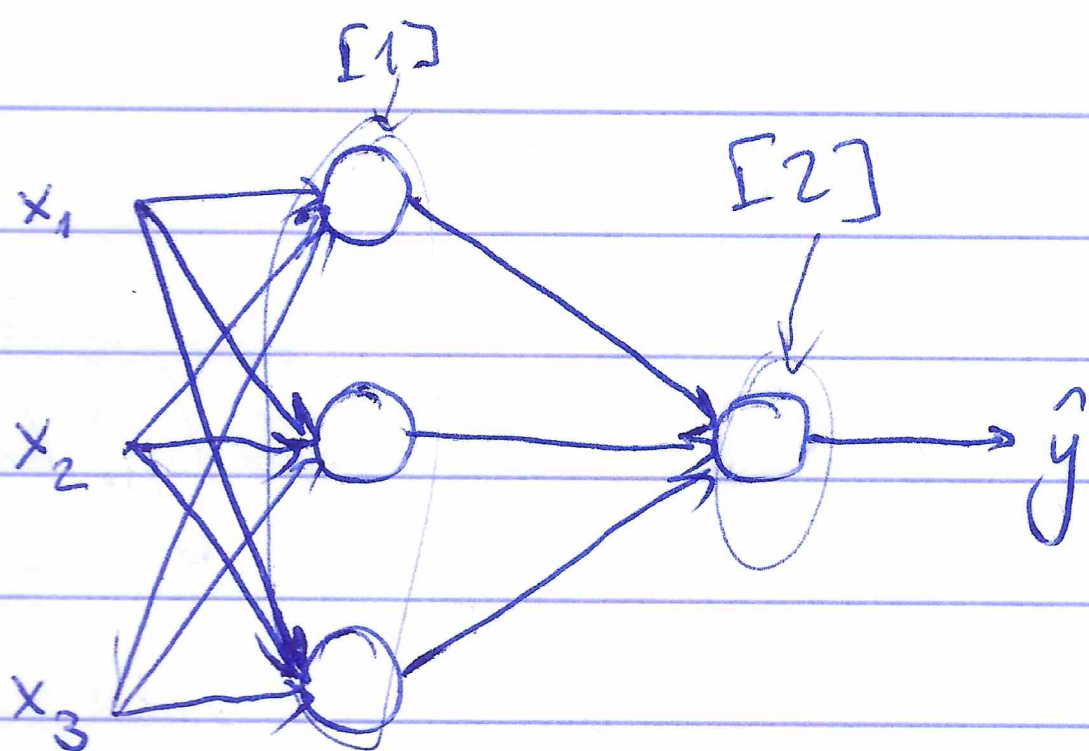
# WEEK 3: SHALLOW NNs

Learning objectives:

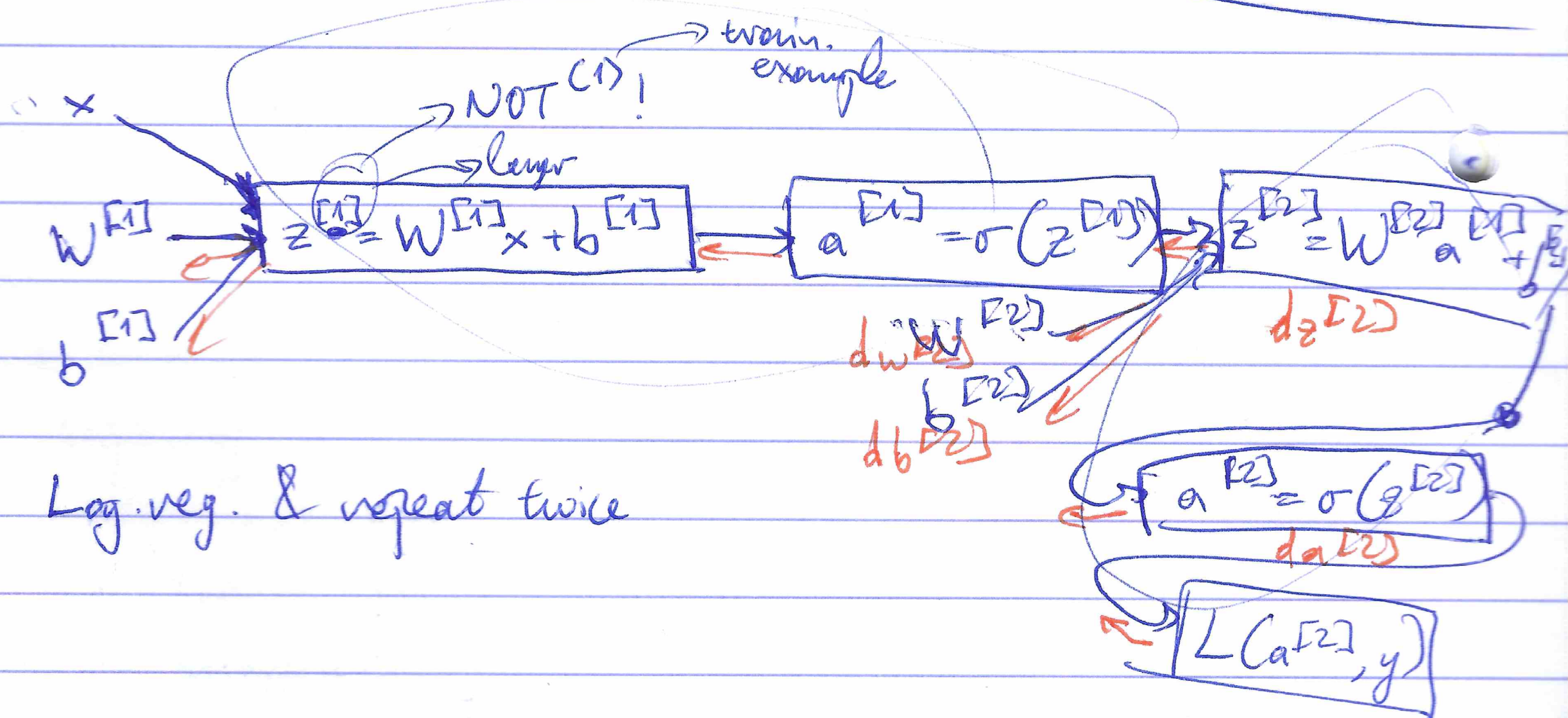
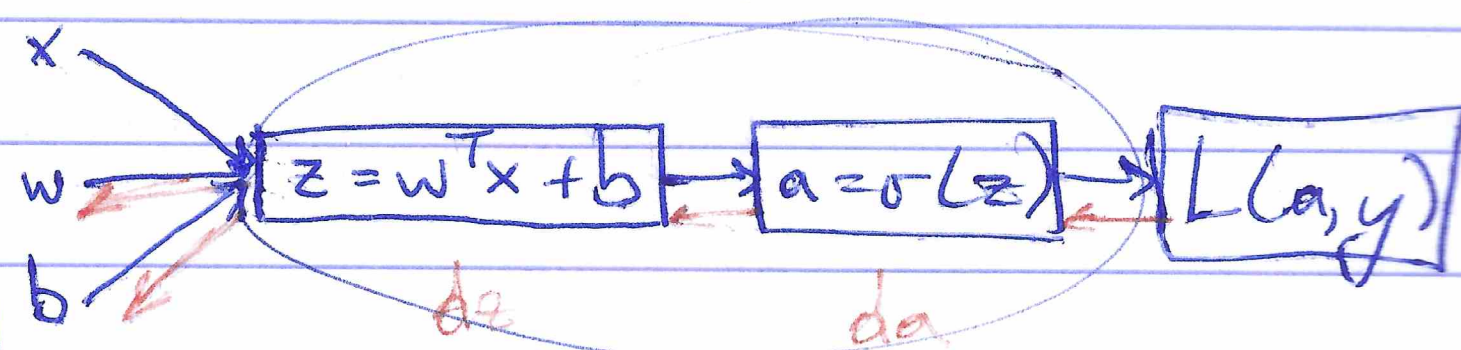
- Understand hidden units and hidden layers
- Be able to apply various activation functions in a NN
- Build my "first" for. & backprop. w/ a hidden layer
- Apply random initialisation to my NN
- Become fluent w/ DL notations and NN representations
- Build and train a NN w/ one hidden layer

## NN Overview

New notation:



Old notations (log. reg.):



## NN Representation