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Machine Learning with Python-From Linear Models to Deep Learning

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4. Neural Network Units

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Exercises due Mar 29, 2023 08:59 -03 Completed

Neural Network Units



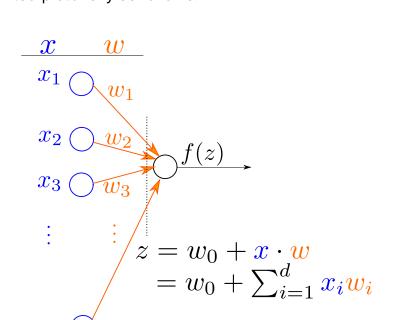
Video

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A **neural network unit** is a primitive neural network that consists of only the "input laye with only one output. It is represented pictorially as follows:

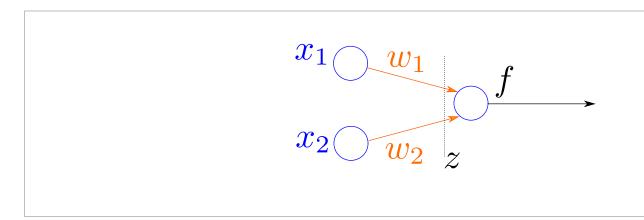


Numerical Example - Neural Network Unit

2/2 points (graded)

In this problem, you will compute the output and

in the following neural network



Let

First, compute .



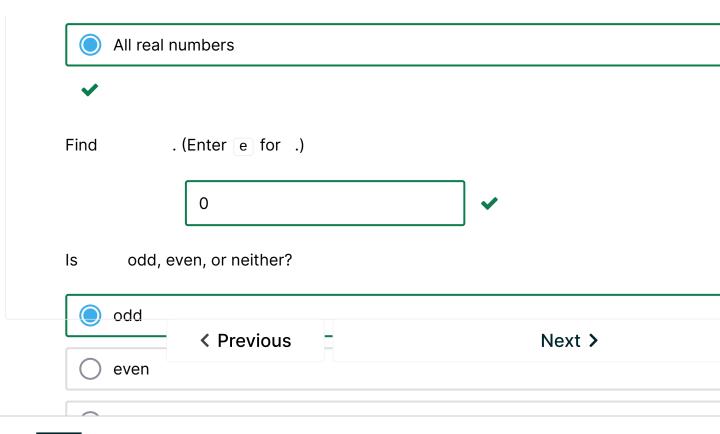
The rectified linear function (ReLU) is defined as:

Using the ReLU function as the activiation function , compute :

0

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You have used 1 of 2 attempts





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