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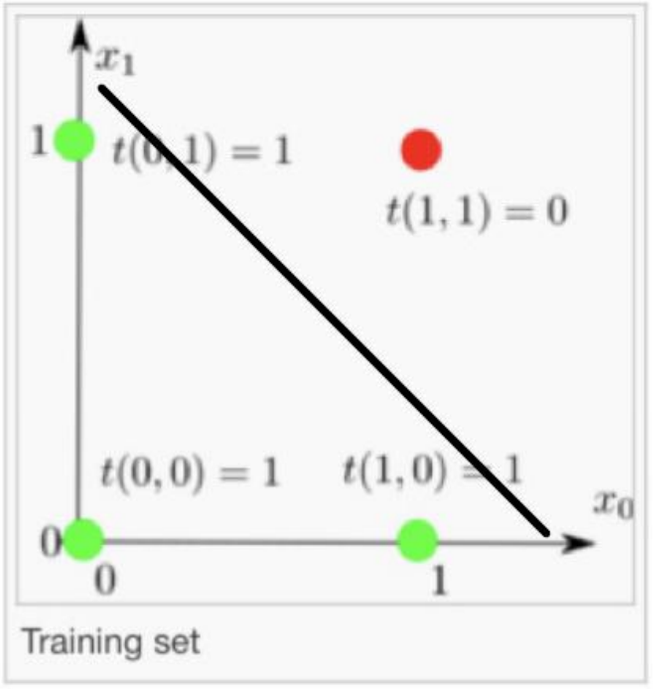
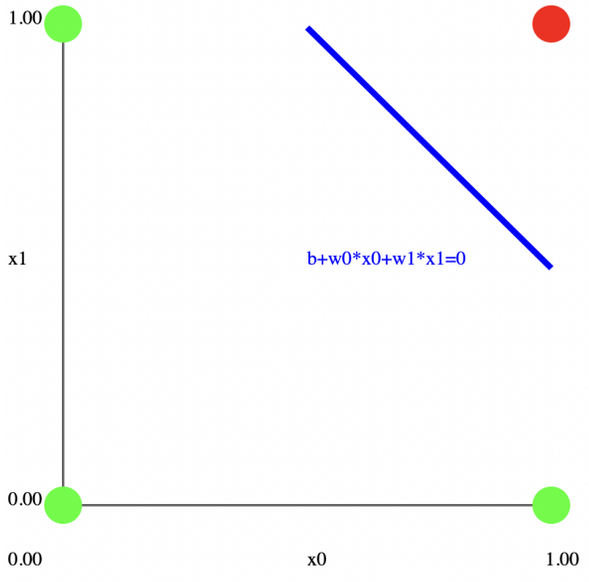
Reflection:

- Exercise 1 - submit your picture



- Exercise 2
  - 1) what is the criteria to decide which combination of bias, w0, w1 is better
    - I started with the random values in the range. However, using the same value of w0 and w1 are better.
  - 2) why neuron is passed into the function by reference?
- Exercise 4 - submit the picture

file:///Users/pear/Desktop/ml%20lab1/mllab1.svg



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x_0	x_1	t
0	0	1
0	1	1
1	0	1
1	1	0

It is exactly the same because and the boundary line is located at the same place. However, the only difference is that in the exercise 1 diagram, it has arrows on both axises.

- Exercise 6 - submit the picture with explanation of how search is influenced by learning rate

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From the graph above, I can illustrate that as the learning rate increases, the error becomes smaller and smaller approaching 0.