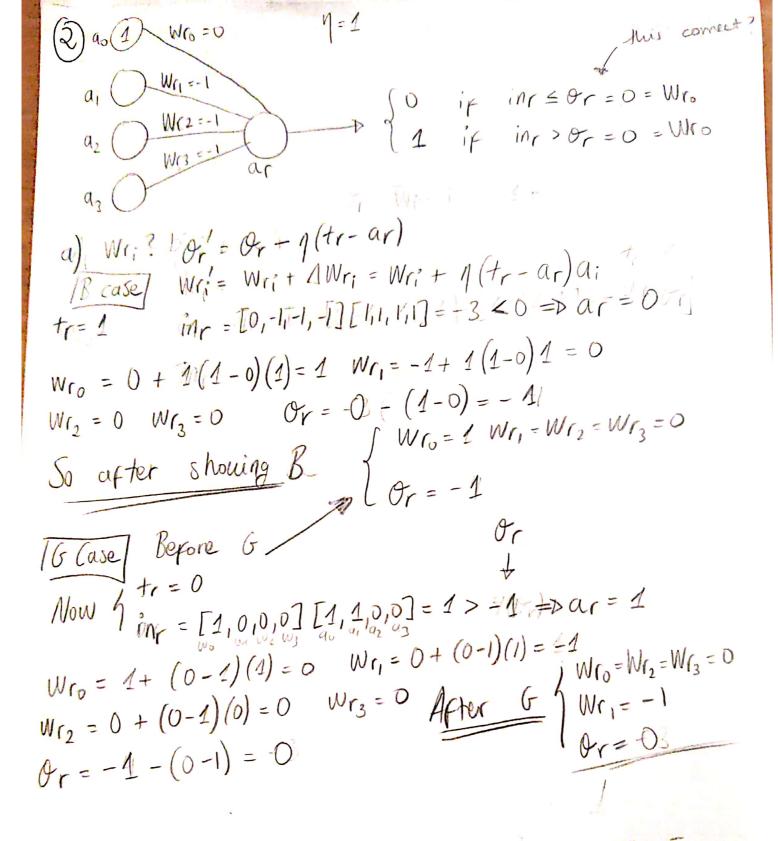
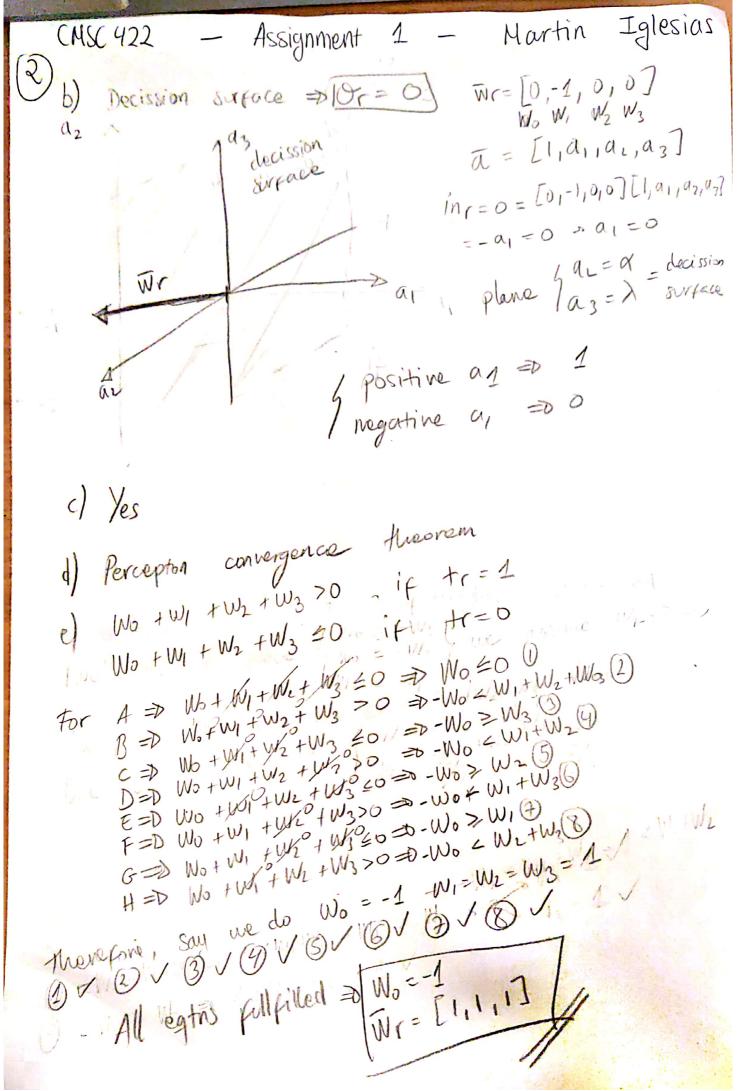
CMSC 422 - Assignment 1 - Martin Iglesias (1) apr = ar = 10,17 n= 1000 -0 Correct Target 1:3 11 (for n=100 Classes 0:2 84 b) # Emors for 1 = 11 HErors for 0 = 2 # total Emors = 13 Sample troor rate = 13/100 = 0,13 = 0, c) Same as 6) because $n \ge 30 \Rightarrow 0.13 = E_s$ 3. d) 95% confidence interval is $E_s \pm 1,96 \sqrt{\frac{0,13(1-0,13)}{100}} = \frac{100}{100}$ e) sensitivity (1) = $\frac{3}{5} = 0.6$ F) specifity (1) = 84/95 = 0,884





0.1 0.2 0.5	No Because you can NOT draw No a straight line separating the 2 classes
c) the ac	ccuracy decreosed considerably.

- Test accuracy dropped around = 0.4 (= 50%)
- d) I expect it to be conver because the less samples the less it bearnes, the more likely to get class 0 confused with class 2