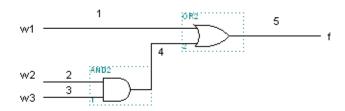
Assignment #4 - ECED 4260 IC Design and Fabrication

- 1) For the following circuit, using the stuck at model:
- a. Find the equivalent faults; reduce 2n faults to k faults.
- b. For each of the k faults, find test vectors. Provide input (w1, w2, w3), correct output (f) and faulty output (f*).
- c. What is the minimum test pattern required?



- (2) Represent -0.5 using IEEE 754 Single Precision Floating Point number.
- (3) Add and multiply the following two numbers, which are given in IEEE 754 notation, and express the results using IEEE 754 single precision notation.

