BBM233: Logic Design Lab
2024 Fall
Lab Experiment 1 Report

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1   Question 1

Table 1: Truth Table

T	A	F	Output
0	0	0	0
0	0	1	0
0	1	0	0
0	1	1	1
1	0	0	0
1	0	1	1
1	1	0	0
1	1	1	1

2 Question 2

Boolean function: $Dispense\_Food(T, A, F) = (T \wedge F) \vee (\neg T \wedge A \wedge F)$

3 Question 3

Circuit implementation: