CSI 250 - HW 1 - SPRING 2020

1. Read about the von Neumann bottleneck from the wiki link on the course webpage. `http://shaunramsey.com/250` Describe it. Name two mitigating factors. (All of this information can be found under Design limitations on the von neumann wiki page.)

2. Give a truth table for:

$$f(A, B, C) = A\overline{B}C + \overline{A}\,\overline{B}\,\overline{C} + \overline{A}BC \qquad (1)$$

3. Give a diagram for:

$$f(A, B, C) = A\overline{B}C + \overline{A}\,\overline{B}\,\overline{C} + \overline{A}BC \qquad (2)$$