

## boolean algebra\_Questions

Question 1:

Minimize the logic expression,  $f = \overline{a}b \left( \overline{a}b(b + c) + ab(\overline{b + c}) \right)$  using Boolean algebra.

Question 2:

Design a logic circuit with A, B and C as inputs and F as output. F should be logic-1 if B is logic-1 or if A and C have different values. Otherwise, F should be logic-0. Write the logic expression for F, and draw a truth table.