2. Write the Boolean expression for output x in the following figure. Determine the value of x for all possible input conditions, and list the values in a truth table.

A diagram of a circuit

Description automatically generated

A math equation with black text

Description automatically generated with medium confidence

A screenshot of a grid

Description automatically generated



A black and white diagram

Description automatically generated



A green math symbols

Description automatically generated with medium confidence

A screenshot of a computer

Description automatically generated

A math equations on a white background

Description automatically generated

a.

A screenshot of a math test

Description automatically generated

b.

A screenshot of a computer

Description automatically generated

c.

A screenshot of a computer

Description automatically generated

6.

A diagram of a computer

Description automatically generated

8.

A screenshot of a math problem

Description automatically generated

A diagram of a light switch

Description automatically generated

10.

A diagram of a block diagram

Description automatically generated