Patt & Patel, Problem 3.24, Page 89

a. What is the output of the circuit?
   - When X = 0, S =
   - When X = 1, S =

b. Modify the circuit (small adjustments only) so that
   - When X = 0, S = A + B
   - When X = 1, S = A - B

Figure 3.39, page 89