

4. (25%)

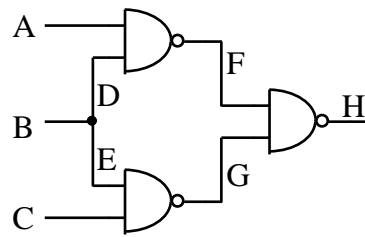


Figure 3.

For the above circuit, try to derive test pattern for the fault $F(sa0)$. For the derived pattern, try to identify what other multiple faults of multiplicity = 2 can be detected.