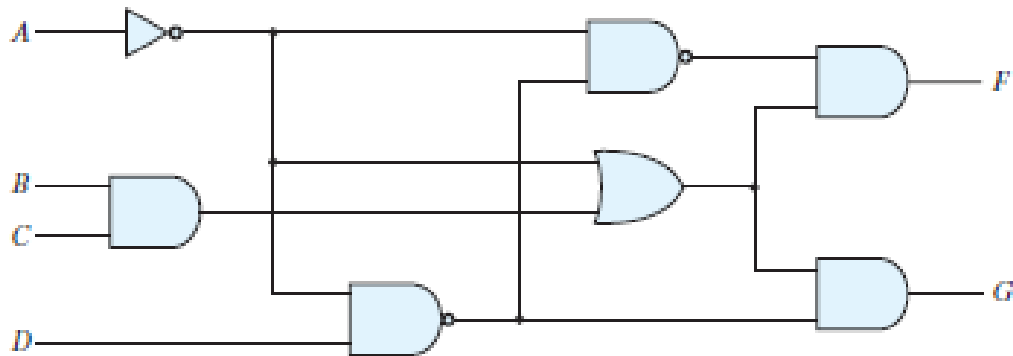


FALL 2020 COMP206

1. Obtain a simplified expression for



- F using Boolean algebra
- G using K-Map

2. Design a combinational circuit with three inputs x , y and z and three outputs A , B and C . When the binary input is 0, the output is 0. When the input is 1 or 2 the output is 1 less than the input. When the input is 3 or 4, the output is 2 less than the input. When the input is 5, 6 or 7, the output is 3 less than the input