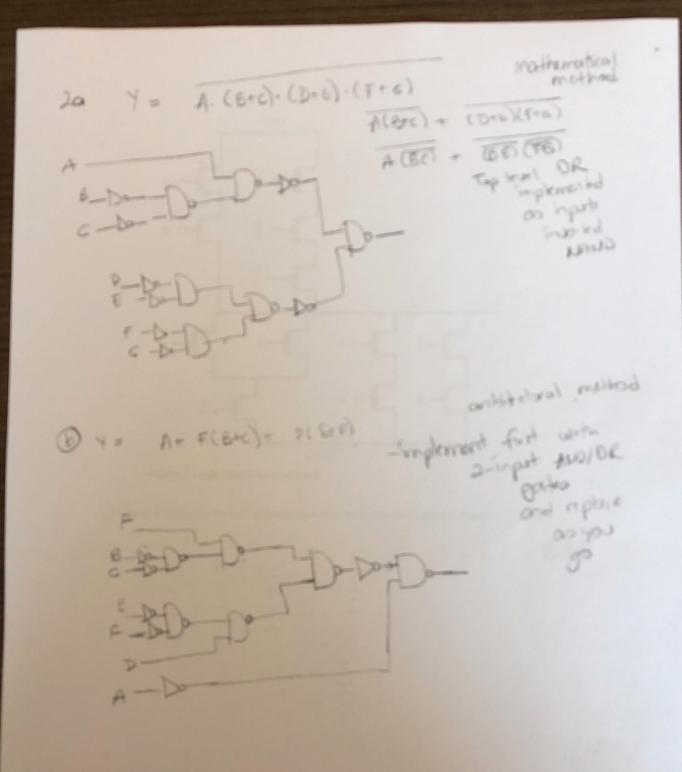
① Amortized wafer cost
$$= \frac{5000}{0.9} = 5555$$

Dies per wafer
$$ND = \frac{\pi r^2}{AD} - \frac{\sqrt{2}\pi r}{\sqrt{AD}} = 450$$

$$1PC = \frac{5555}{360} + 4 = $23.85$$
0.85 better option



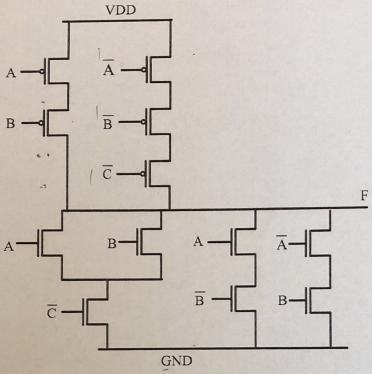


Figure 1: Logic circuit for problem 3

Problem 3. Determine the truth table and logic function for the circuit given in Figure 1.