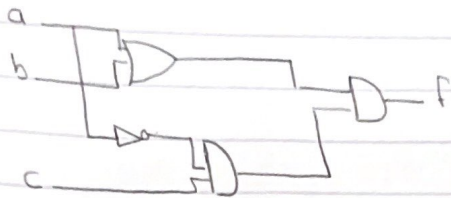


Project DD1

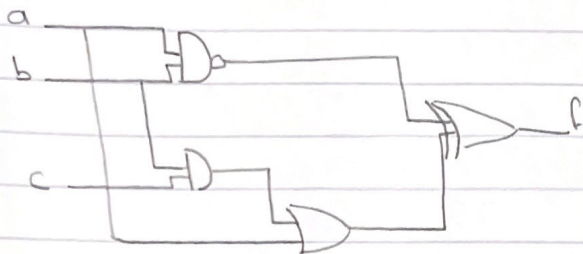
circuit ①

$$f = (\bar{a}c) \cdot (b + a)$$



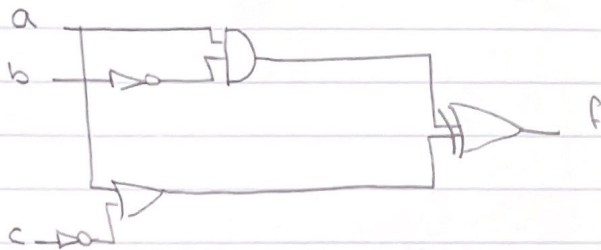
circuit ②

$$f = (\bar{a}b) \oplus ((bc) + a)$$



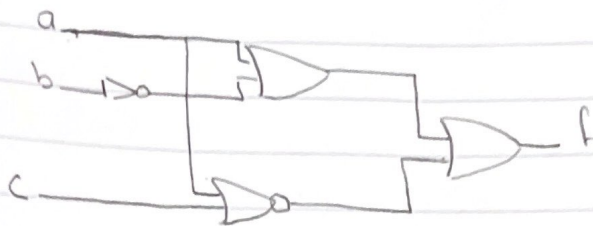
circuit ③

$$f = \bar{a}b \oplus (\bar{c} + a)$$



circuit ④

$$f = \overline{(a+c)} + (a+b)$$



circuit ⑤

$$f = (\overline{a}b + c) + (b\overline{c} + a)$$

