

# Exercice 4

$$F = (a \wedge (d \Rightarrow c)) \Rightarrow ((b \Rightarrow a) \Rightarrow [c \wedge b \wedge a])$$

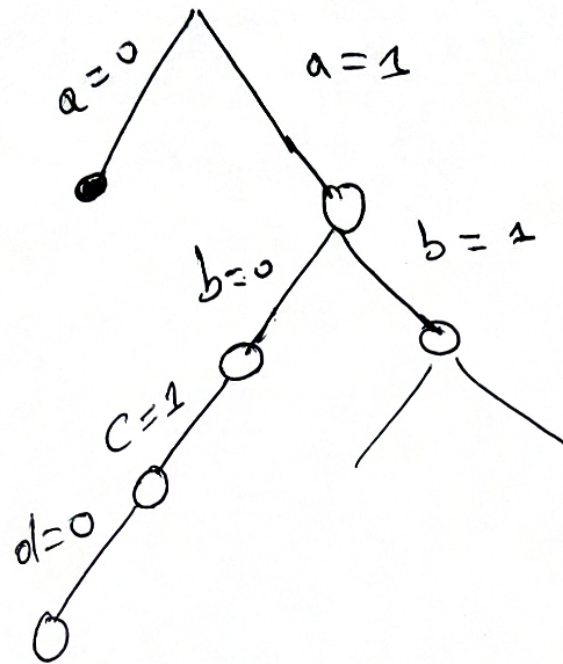
①

$$\neg F = a(\bar{d} + c)(\bar{b} + a)(\bar{c} + \bar{b} + \bar{a})$$

01

②

$$\{a, \bar{d} + c, \bar{b} + a, \bar{c} + \bar{b} + \bar{a}\}$$

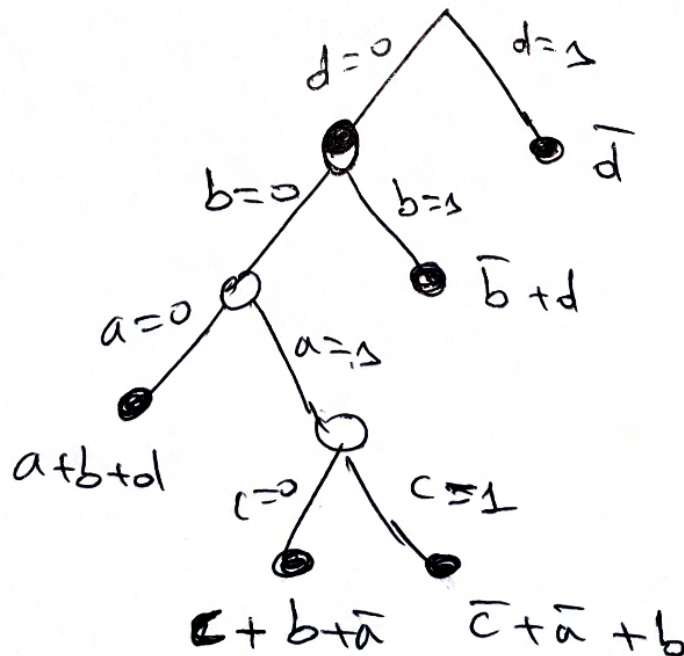


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L'arbre n'est pas fermé donc F n'est pas valide.

③

$$\{\bar{d}, \bar{b} + d, c + d, a + b + d, c + b + \bar{a}, \bar{a} + \bar{c} + b\}$$



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