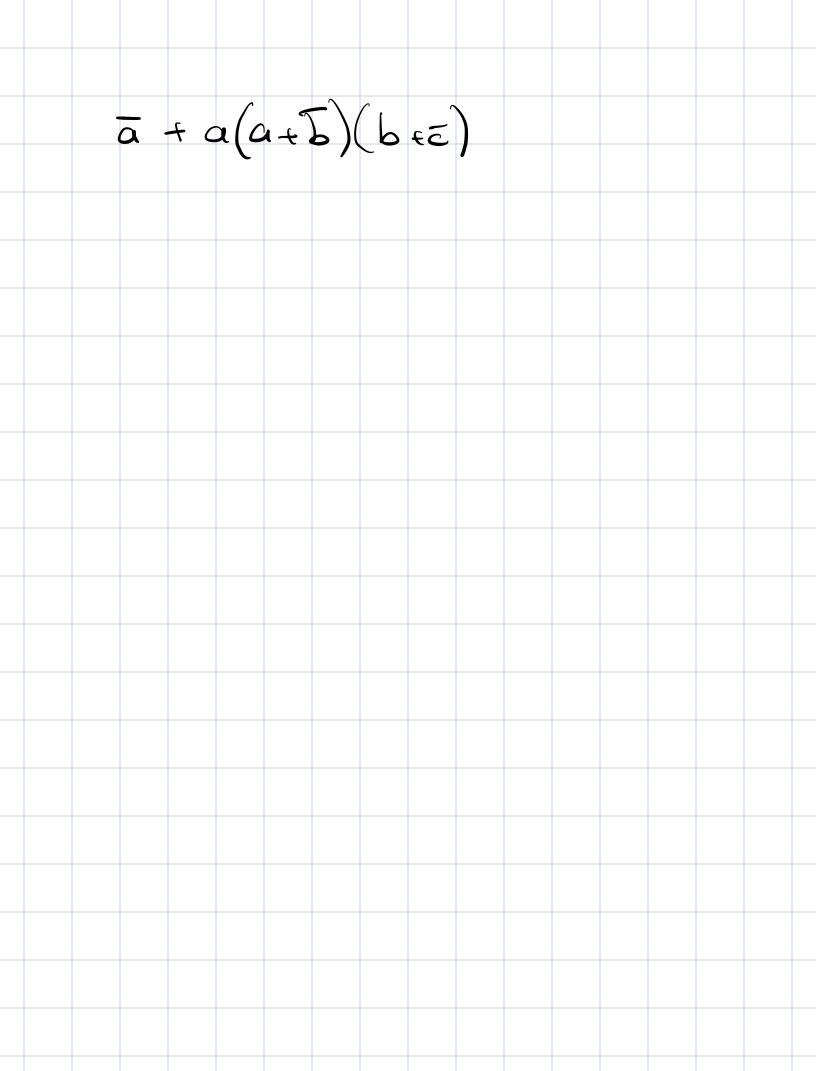
Exercice 1

ātabeattabe ābc + abc + acb + abc
+ ābc + abc + acb

$$= \overline{abc} + \overline{abc} + \overline{abc} + \overline{abc} + \overline{abc}$$

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



$$\bar{a}bc$$
 $+ \bar{a}b\bar{c}$ $+ \bar{a}b\bar{c}$ $+ \bar{a}bc$

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

$$= (\bar{a}bc)(\bar{a}b\bar{c})$$

$$= (\bar{a}bc)(\bar{a}b\bar{c})$$

$$= (\bar{a}bc)(\bar{a}b\bar{c})$$

$$= (\bar{a}bc)(\bar{a}b\bar{c})$$

$$(ab + cd) + (a+b)(z+d) d:^{3}$$

$$= ab + cd + ac + ad + bc + bd$$

$$(ab)(cd)(-a)($$

$$= abc + abc + abc + abc$$

$$= (abc)(abc) + (abc) + (abc)$$

$$= (a+b+c)(a+b+c)(a+b+c)$$

$$+ (a+b+c)$$