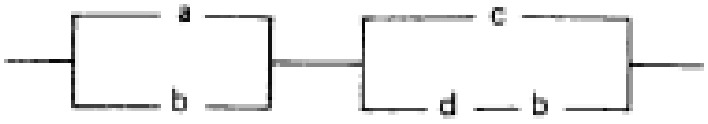
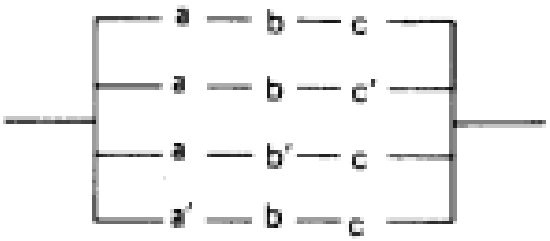
EXERCÍCIOS SOBRE CIRCUITOS DE CHAVES

Fonte: J. Daghlian. Lógica e Algebra de Boole.

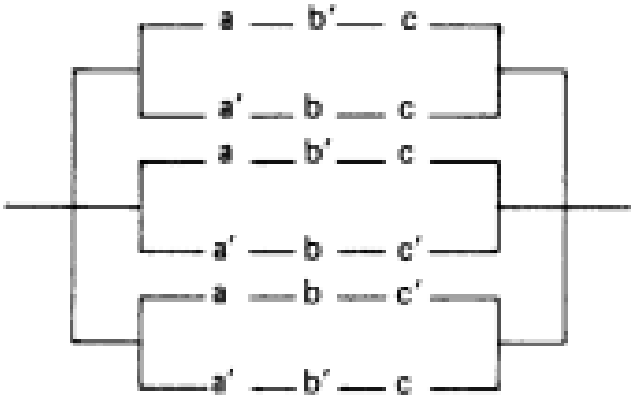
i)



j)



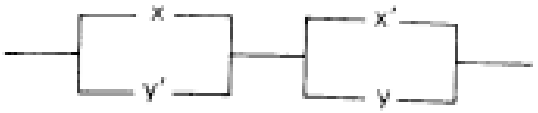
l)



2. Desenhar os circuitos cujas ligações são dadas pelas expressões:

a) $p \cdot (q + r)$
b) $m + (p' \cdot q' \cdot r')$
c) $m + n + p + q$
d) $(x \cdot y) + (x' \cdot z)$
e) $(x' \cdot y) + (x \cdot y')$
f) $(p + q) \cdot (p' + q')$
g) $(p + q) \cdot (p + q' + r')$
h) $(a + b \cdot c) \cdot (a' \cdot b' + c') + a' \cdot b' \cdot c'$
i) $p \cdot [q' \cdot (s + r) + r \cdot s] + (q + p') \cdot (r \cdot s' + s)$

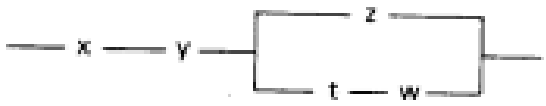
b)



EXERCÍCIOS

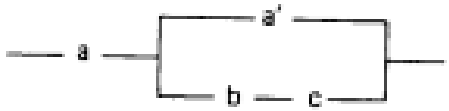
1. Dar as expressões algébricas dos circuitos desenhados:

a)



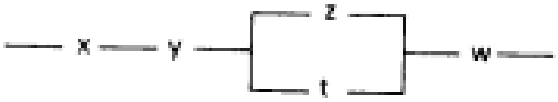
b)

c)

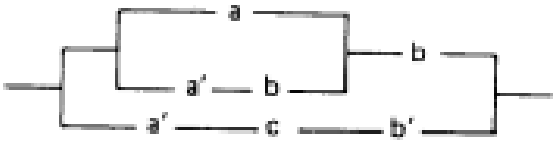


d)

e)

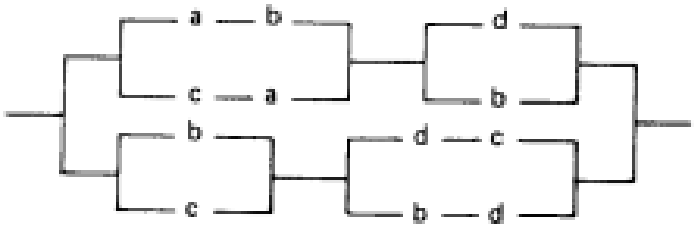


f)



g)

h)



Fonte: Boolean Algebra and Its Applications

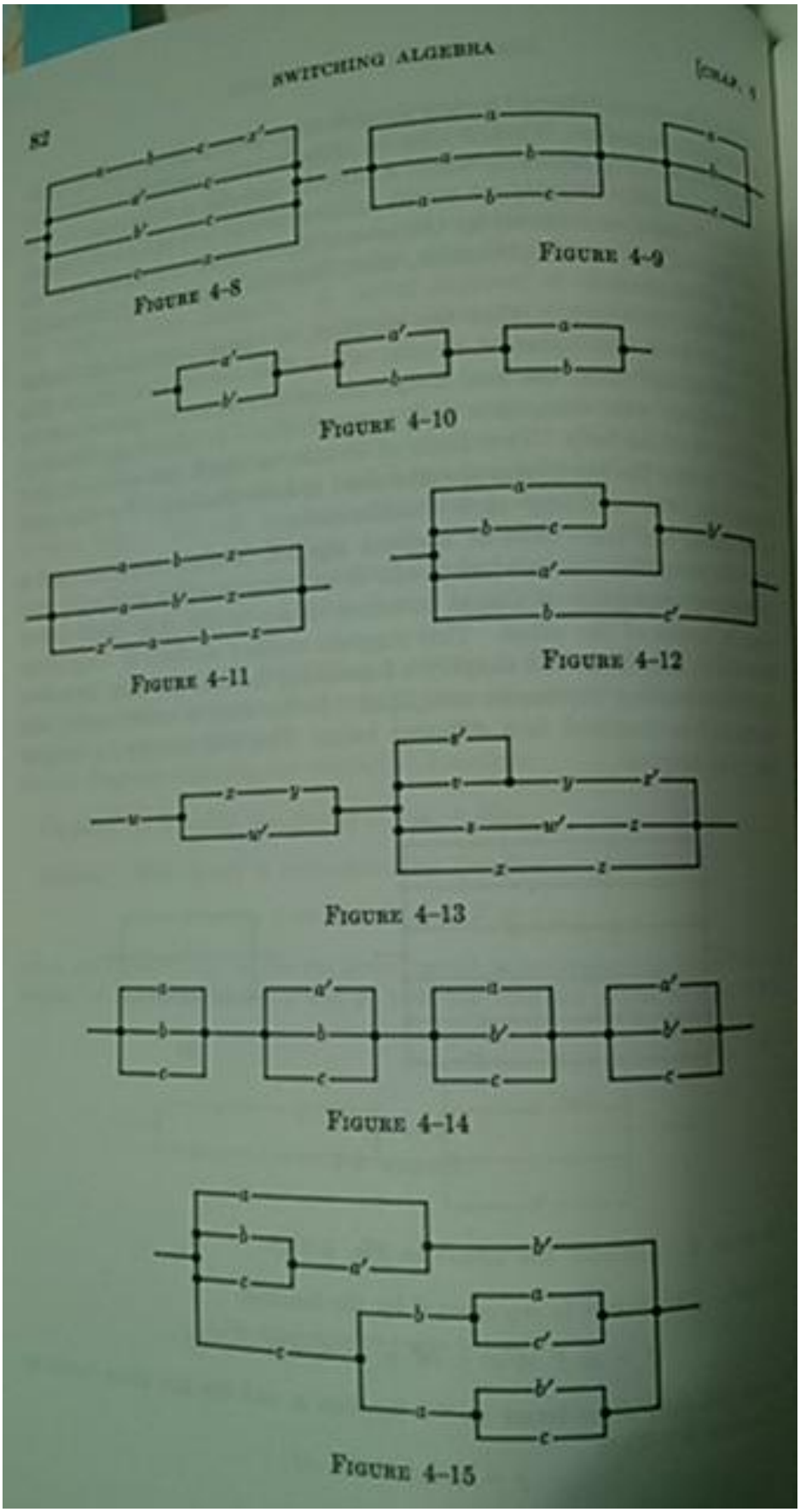


FIGURE 4-8

FIGURE 4-9

FIGURE 4-10

FIGURE 4-11

FIGURE 4-12

FIGURE 4-13

FIGURE 4-14

FIGURE 4-15