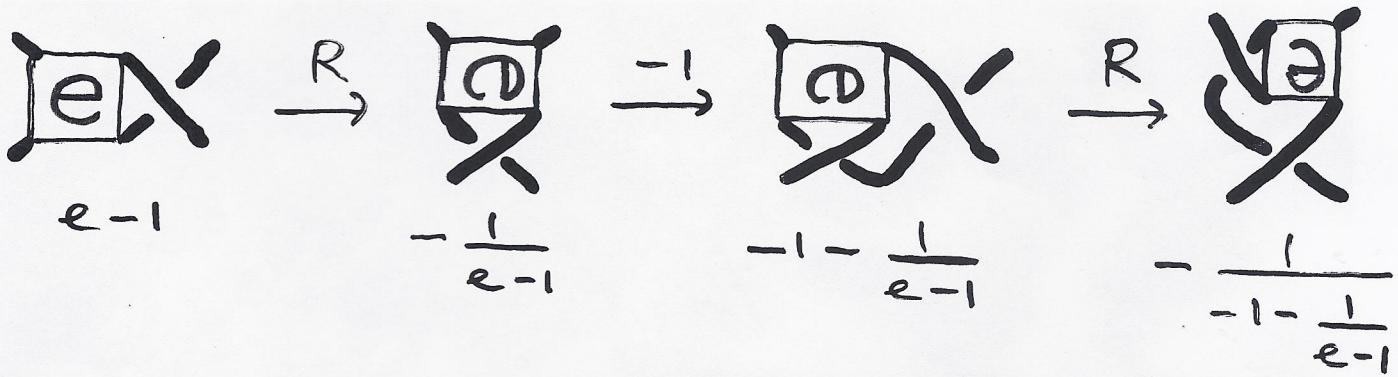
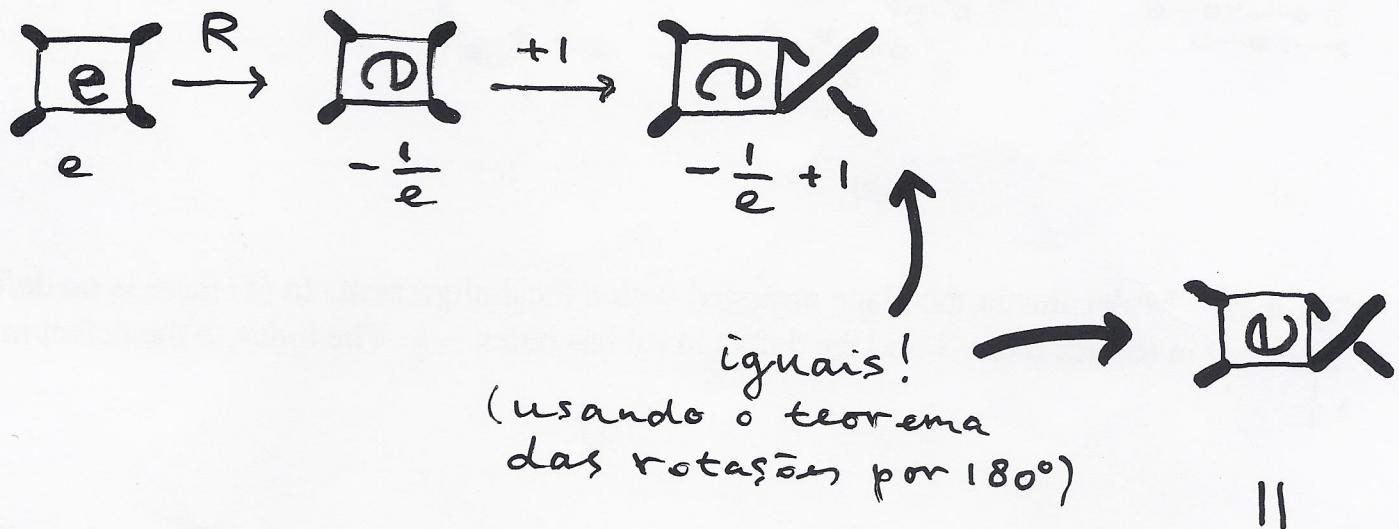


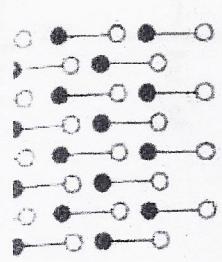
$$1 - \frac{1}{e} = 0 - \frac{1}{-1 - \frac{1}{e-1}}$$

$$\frac{2}{3} = 1 - \frac{1}{3} = -\frac{1}{-1 - \frac{1}{3-1}} = \frac{1}{1 + \frac{1}{2}} = \frac{1}{\frac{3}{2}} = \frac{2}{3}$$

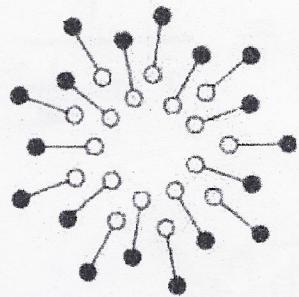


Palavras-chave

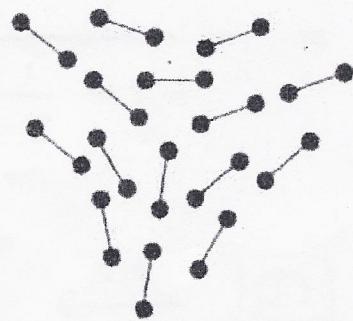
emaranhados racionais	(rational tangles)
frações continuadas	(continued fractions)
topologia	(topology)
teoria de nós	(knot theory)
defeitos em cristais líquidos	(defects in liquid crystals)



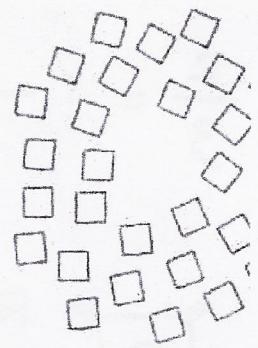
(a)



(b)



(c)



(d)

Fig. 5.22 Molecules in the plane arranged with a local alignment. In (a) there is no defect. The defect in (b) has index 1 and the defect in (c) has index $-\frac{1}{2}$. The index of the defect in (d) is $\frac{1}{4}$.

