

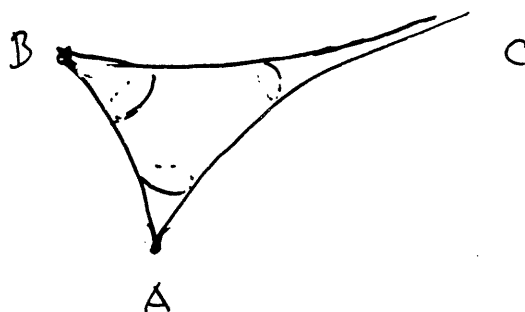
$$T : \mathbb{H}^2 \rightarrow \mathbb{H}^2, \quad z \mapsto z + 1$$

$$\text{Matrix: } \begin{pmatrix} 1 & 1 \\ 0 & 1 \end{pmatrix} \in \text{SL}(2, \mathbb{Z})$$

$$S : \mathbb{H}^2 \rightarrow \mathbb{H}^2; \quad z \mapsto -\frac{1}{z}$$

$$\text{Matrix: } \begin{pmatrix} 0 & -1 \\ 1 & 0 \end{pmatrix} \in \text{SL}(2, \mathbb{Z})$$

$$\mathbb{H}^2 / \text{SL}(2, \mathbb{Z}) :$$



$$n=2$$

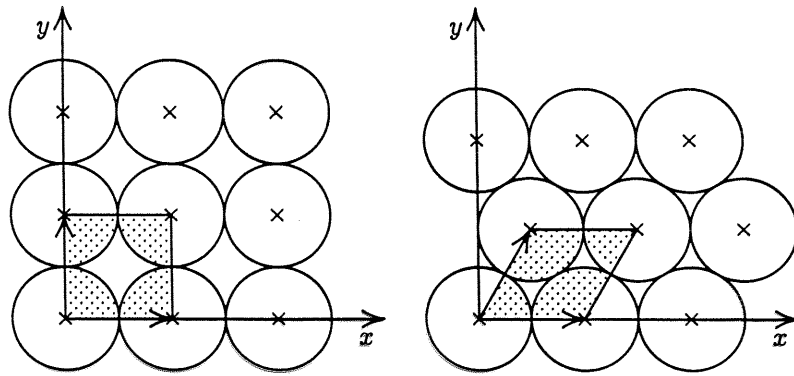
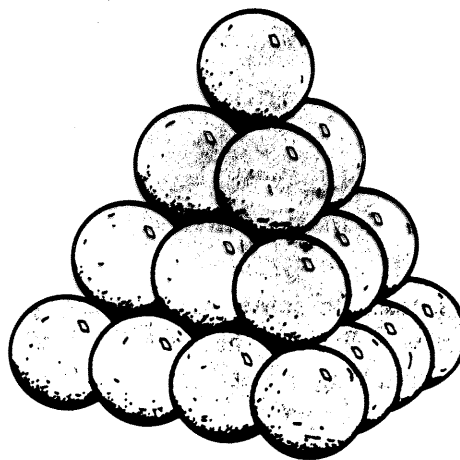


Bild 2.18 Quadratisches und hexagonales Gitter

$$n=3$$

(a)



(b)

