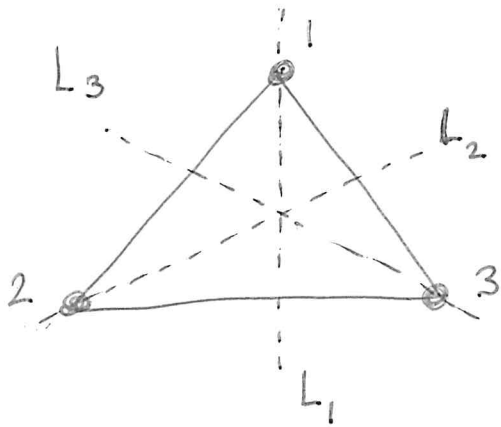


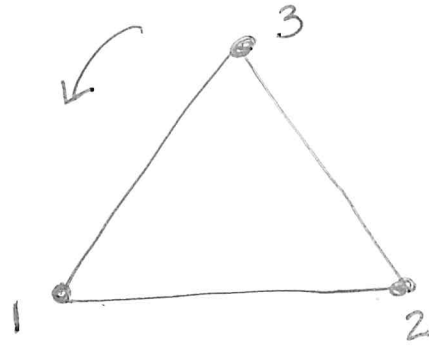
Figure 8.1



T_1 : gör inget

$$f_1: \begin{array}{l} 1 \rightarrow 1 \\ 2 \rightarrow 2 \\ 3 \rightarrow 3 \end{array}$$

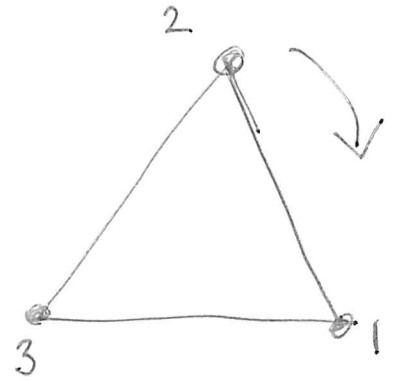
$$f_1 := 1$$



T_2 : 120° moturs rotation

$$f_2: \begin{array}{l} 1 \rightarrow 3 \\ 2 \rightarrow 1 \\ 3 \rightarrow 2 \end{array}$$

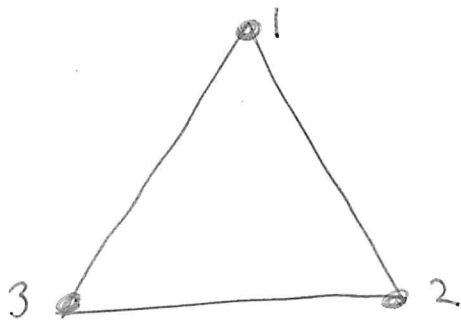
$$f_2 := g$$



T_3 : 120° medurs rotation

$$f_3: \begin{array}{l} 1 \rightarrow 2 \\ 2 \rightarrow 3 \\ 3 \rightarrow 1 \end{array}$$

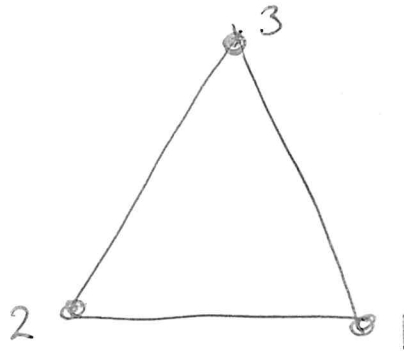
$$\Rightarrow f_3 = g^{-1}$$



T_4 : spegling i L_1

$$f_4: \begin{array}{l} 1 \rightarrow 1 \\ 2 \rightarrow 3 \\ 3 \rightarrow 2 \end{array}$$

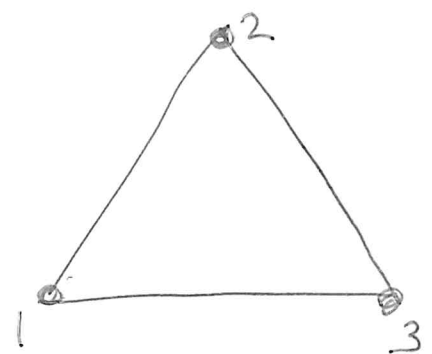
$$f_4 := h$$



T_5 : spegling i L_2

$$f_5: \begin{array}{l} 1 \rightarrow 3 \\ 2 \rightarrow 2 \\ 3 \rightarrow 1 \end{array}$$

$$\Rightarrow f_5 = hg$$



T_6 : spegling i L_3

$$f_6: \begin{array}{l} 1 \rightarrow 2 \\ 2 \rightarrow 1 \\ 3 \rightarrow 3 \end{array}$$

$$\Rightarrow f_6 = gh$$

$$S_3 = \langle g, h \mid g^3 = h^2 = (gh)^2 = 1 \rangle$$