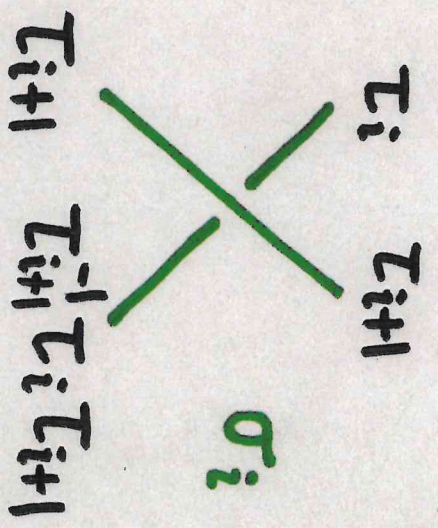
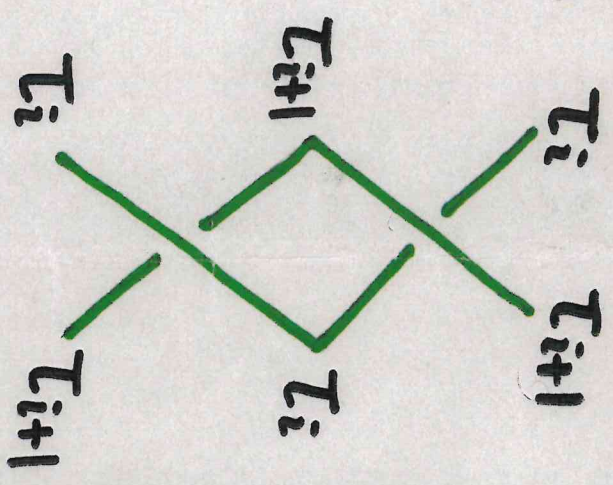


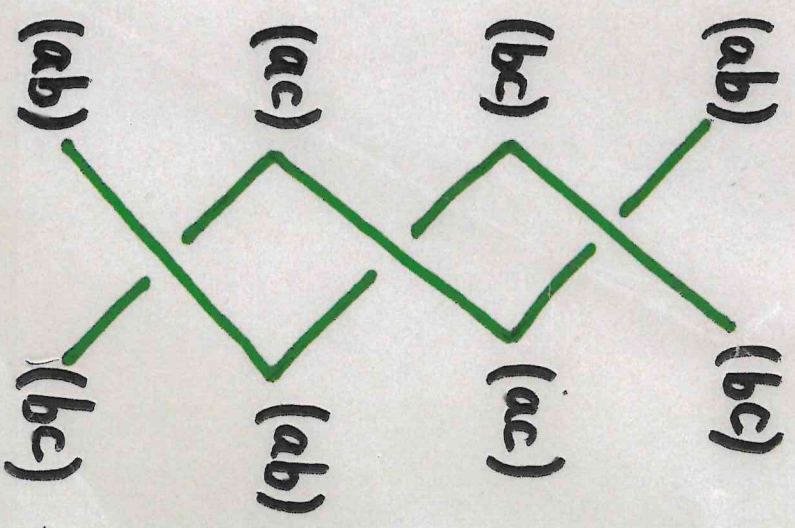
$T_m^n \hookrightarrow B_n$



(1) $T_i T_{i+1} = T_{i+1} T_i$



(2) $T_i T_{i+1} \neq T_{i+1} T_i$

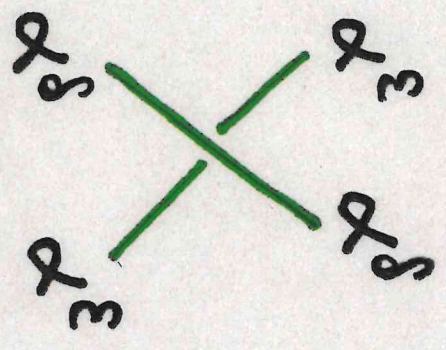


$(1 \leq a, b, c \leq m)$
 $(a \neq b, b \neq c, c \neq a)$

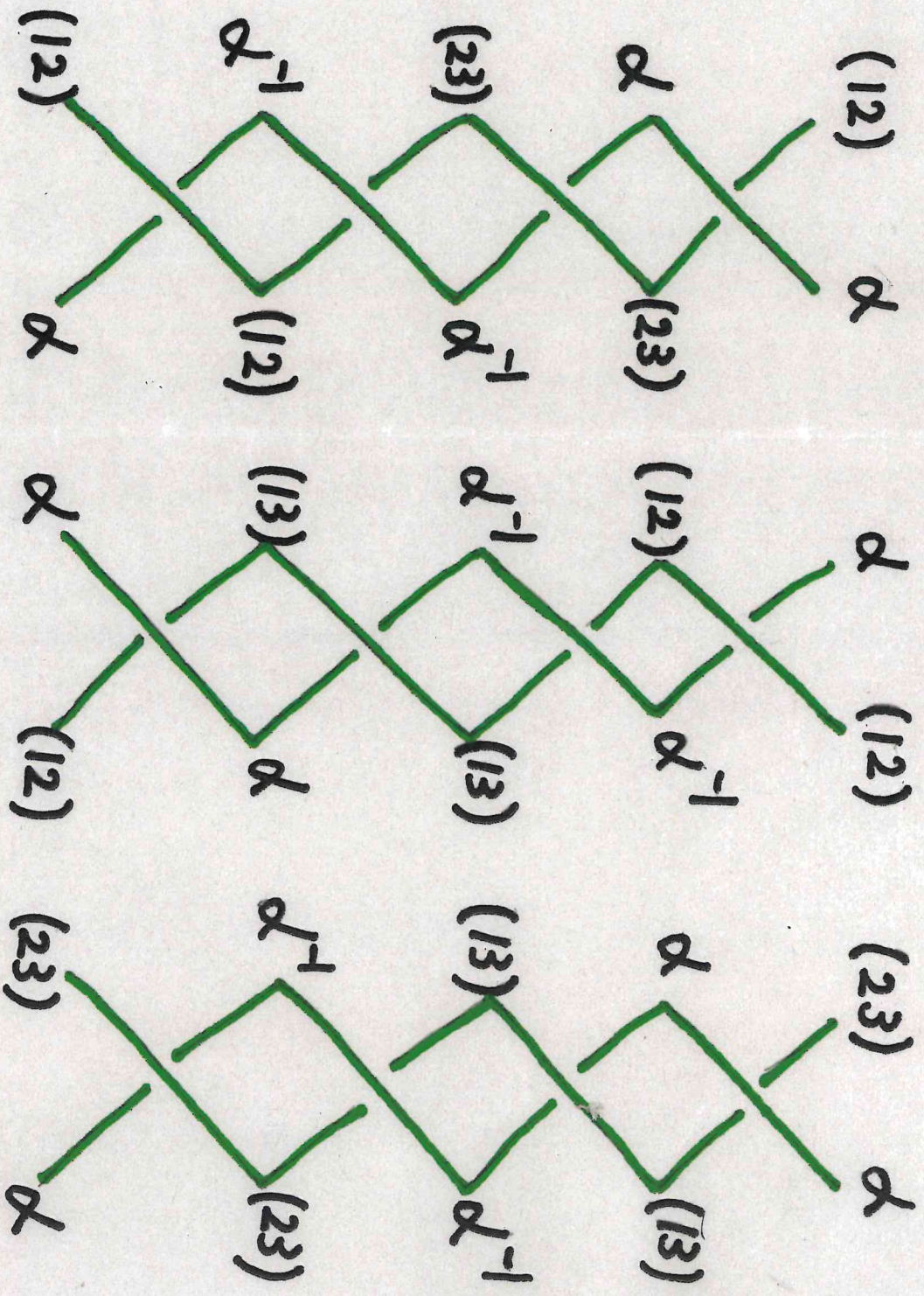
$S_3^n \curvearrowright B_n$

$\alpha = \begin{pmatrix} 1 & 2 & 3 \\ 2 & 3 & 1 \end{pmatrix} \in S_3$

②

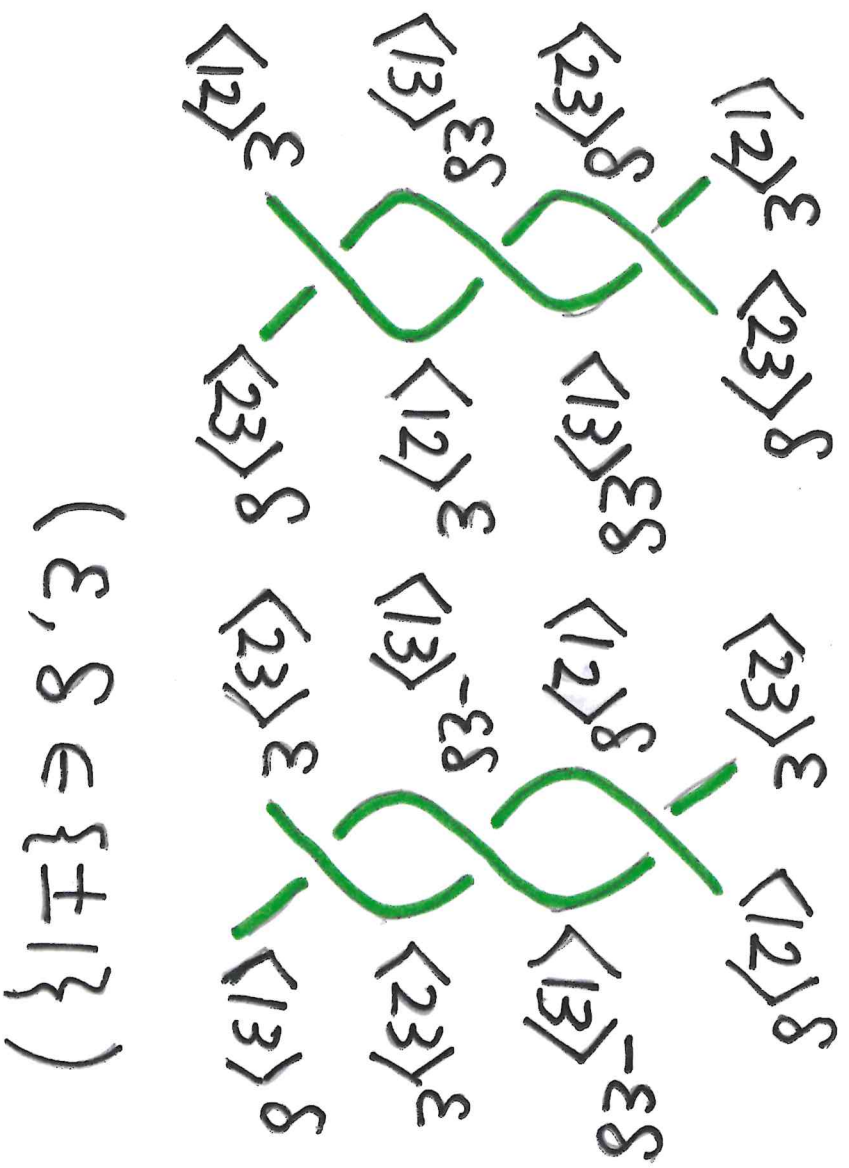


$\epsilon, \delta \in \{\pm 1\}$



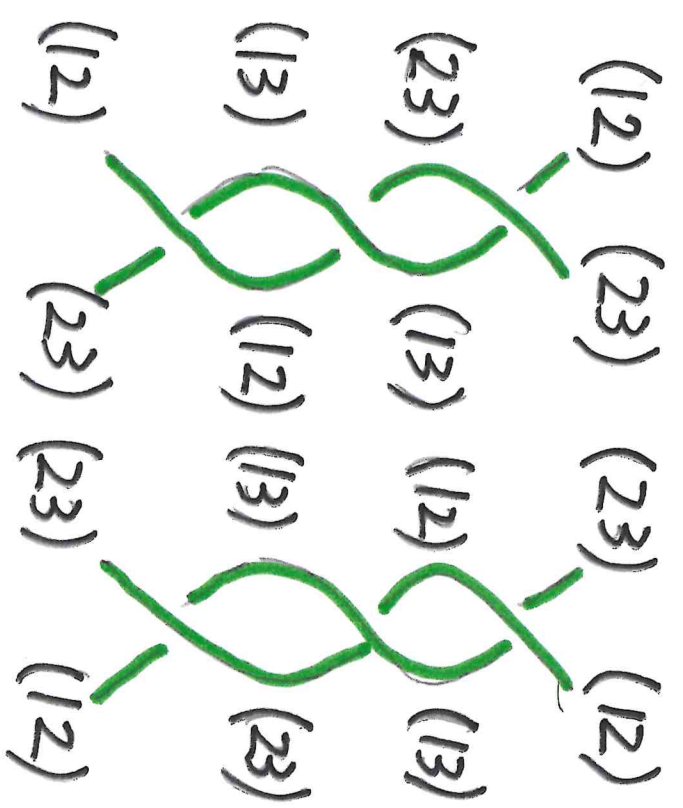
$X_4^n \leftarrow B_n$

③



$(\mathcal{E}, \mathcal{S} \in \{\pm 1\})$

$\xrightarrow{f^n}$



※ 複号同順

④

$(\varepsilon_3, \varepsilon_4, \varepsilon_5, \varepsilon_6)$

$(-\varepsilon_4\varepsilon_5\varepsilon_6, -\varepsilon_3\varepsilon_5\varepsilon_6, -\varepsilon_3\varepsilon_4\varepsilon_6, -\varepsilon_3\varepsilon_4\varepsilon_5)$

1. (\pm, \pm, \pm, \pm)

(\mp, \mp, \mp, \mp)

2. (\pm, \pm, \pm, \mp)

(\pm, \pm, \pm, \mp)

3. (\pm, \pm, \mp, \pm)

(\pm, \pm, \pm, \mp)

4. (\pm, \pm, \mp, \mp)

(\mp, \mp, \mp, \mp)

5. (\pm, \mp, \pm, \pm)

(\pm, \pm, \mp, \mp)

6. (\pm, \mp, \pm, \mp)

(\mp, \mp, \pm, \pm)

7. (\pm, \mp, \mp, \mp)

(\pm, \mp, \mp, \mp)

