

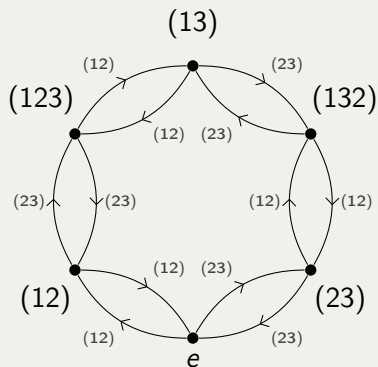
Cayley-Graphen

im Rahmen des Seminars
„Überlagerungen und Gruppenwirkungen“

Jan-Philipp Litza

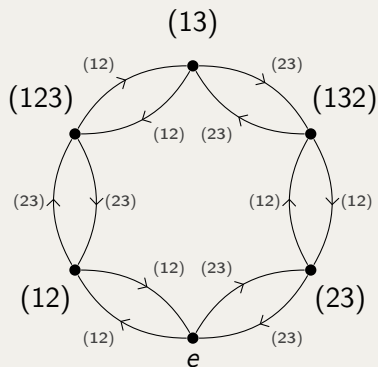
Wintersemester 2013/14

Beispiel (Symmetrische Gruppe S_3)

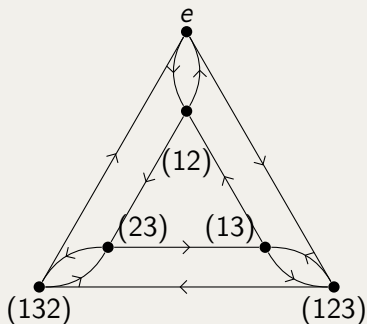


(a) $S = \{(12), (23)\}$

Beispiel (Symmetrische Gruppe S_3)



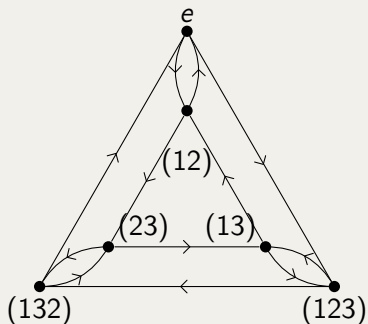
(a) $S = \{(12), (23)\}$



(b) $S = \{(12), (123)\}$

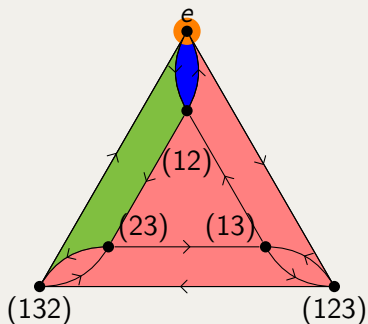
Beispiel (Symmetrische Gruppe S_3)

$$G = S_3 = \langle (12), (123) \mid (12)^2, (123)^3, (12)(123)(12)(123) \rangle$$



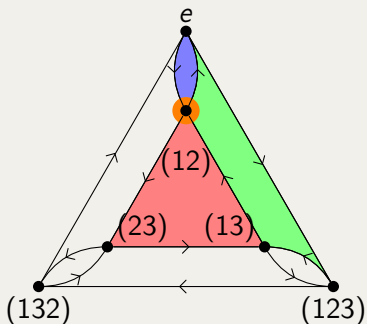
Beispiel (Symmetrische Gruppe S_3)

$$G = S_3 = \langle (12), (123) \mid (12)^2, (123)^3, (12)(123)(12)(123) \rangle$$



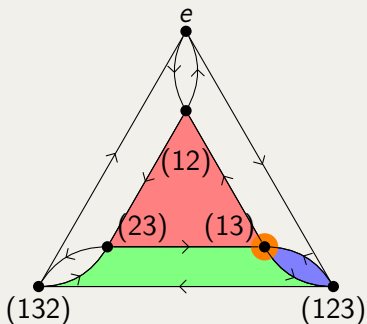
Beispiel (Symmetrische Gruppe S_3)

$$G = S_3 = \langle (12), (123) \mid (12)^2, (123)^3, (12)(123)(12)(123) \rangle$$

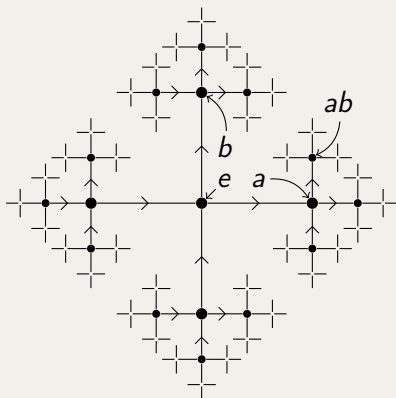


Beispiel (Symmetrische Gruppe S_3)

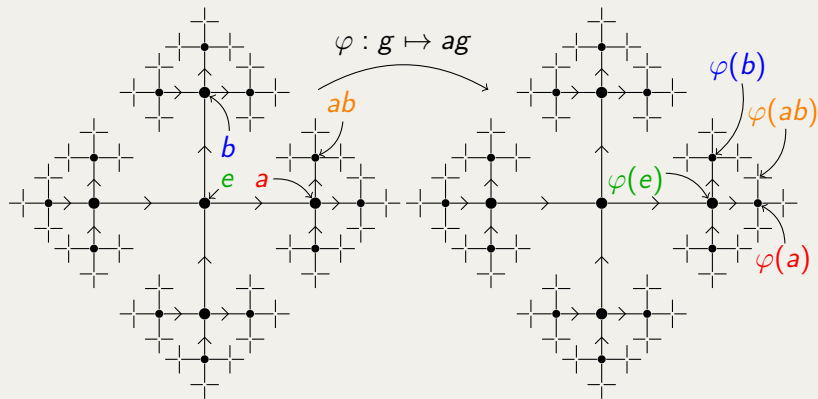
$$G = S_3 = \langle (12), (123) \mid (12)^2, (123)^3, (12)(123)(12)(123) \rangle$$



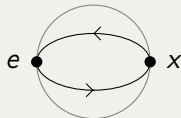
Beispiel (Freie Gruppe mit 2 Erzeugern)



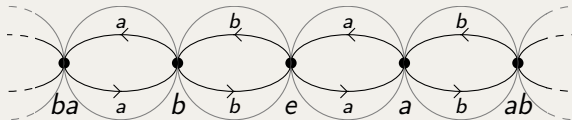
Beispiel (Freie Gruppe mit 2 Erzeugern)



Beispiel (Zyklische Gruppe C_2)



Beispiel (Freies Produkt zyklischer Gruppen)



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