## Eine Woche, ein Beispiel 1.23 Coxeter group

- 1 def & realizations def

  - geometrical representation
  - -root system
  - polytopes
  - as subgp of Sn
  - as Weyl gp of some Tits system
- 2. combinatorical results
- 3. Bruhat order
- 4. Geometrical realization (faithfulness)