1. Coxeter Groups and Coxeter Complexes
   - 1.1 Coxeter Systems
   - 1.2 Length Function and M-Operations
   - 1.3 Coxeter Complexes
   - 1.4 Roots
2. Buildings
   - 2.1 Simplical Buildings
   - 2.2 Spherical Buildings
   - 2.3 W-Metric Buildings
   - 2.4 Group Actions on Buildings
     - 2.4.1. Weyl Transitive Actions
     - 2.4.2. Strongly Transitive Actions
     - 2.4.3. BN Pairs
     - 2.4.4. Root Groups
3. Twin Buildings
   - 3.1 Definition
   - 3.2 Group Actions on Twin Buildings
   - 3.3 Twin BN-Pairs
   - 3.4 Root Groups
   - 3.5 Moufang
   - 3.6 RGD Systems
   - 3.7 Kac-Moody Groups
     - 3.7.1. Kac-Moody over $\mathbb{C}$
     - 3.7.2. Generalization to arbitrary fields
     - 3.7.3. RGD Structure
4. General Theory about Finite Generation
   - 4.1 Exceptional rank 2 cases
   - 4.2 Local isomorphisms of links
   - 4.3 Presentation of $\mathcal{U}$
   - 4.4 Finite generation results
5. Conditions for Infinite Generation
   - 5.1 Construction of extension homomorphisms $\tilde{\phi}_v$

- 5.2 Existience of $\tilde{\phi}_v$
- 5.3 Choices of v and construction of $\mathcal{D}$

6. Cases where $\mathcal{U}$ is not finitely generated
   - 6.1 Cases where $\mathcal{D}$ is infinite
   - 6.2 336 over $\mathbb{F}_2$
7. Cases where $\mathcal{U}$ is finitely generated
   - 7.1 Definition of root distances
   - 7.2 334 over $\mathbb{F}_2$
   - 7.3 336 over $\mathbb{F}_3$
8. Cases with a 2
   - 8.1 246
   - 8.2 266
   - 8.3 Not sure if they will work, but going to try