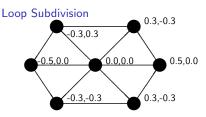
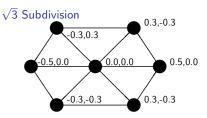
Exercises - Theoretical



Use pen and paper and apply the loop subdivision scheme to this triangle mesh

- 1. How many new triangles do we get for each old triangle?
- 2. Write pseudo (or C/C++) code for the half-edge adjacency queries needed to create the new vertices/triangles
- 3. How do we handle the boundary?

Exercises - Theoretical



Use pen and paper and apply the $\sqrt{3}$ subdivision scheme to this triangle mesh

- 1. How many new triangles do we get for each old triangle?
- 2. Write pseudo (or C/C++) code for the half-edge adjacency queries needed to create the new vertices/triangles
- 3. How do we handle the boundary?