Exercises

- 1. Create a ChaoticParticle class, which is a Particle, randomly changing its movement (Speed). You are not allowed to edit any existing class.
- 2. Test the ChaoticParticle through the ParticleSystemMain class
- Create a Chicken Particle class. The Chicken Particle class moves like a Chaotic Particle, but randomly stops at different positions for several simulation ticks and, for each of those stops, creates (lays) a new Chicken Particle. You are not allowed to edita existing class.

Test the ChickenParticle class through the ParcticleSystemMain class.

Exercises (2)

- particleRepeller is a Particle, which pushes other particles away from it (i.e. accelerates them in a direction, opposite of the direction in which the repeller is). The repeller has an effect only on particles within a certain radiu (see <u>Euclidean distance</u>)
- Test the ParticleRepeller class through the ParticleSystemMain class