

# Turns out, you need just 3 rules

- Avoid neighbouring birds
- But do not stray too far away, either
- Fly at about average speed and direction of your neighbours

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- Since each starling is unique, the values of 'too far', 'too near', 'how fast I can fly' are all unique. Thus, each bird figures it out for themselves
- Feedback from every neighbouring bird affects each bird's interpretation of where to fly
- The **emergent characteristics** of the *flock* are generated from these local interactions. No one bird is the leader, no one bird decides what should happen next.