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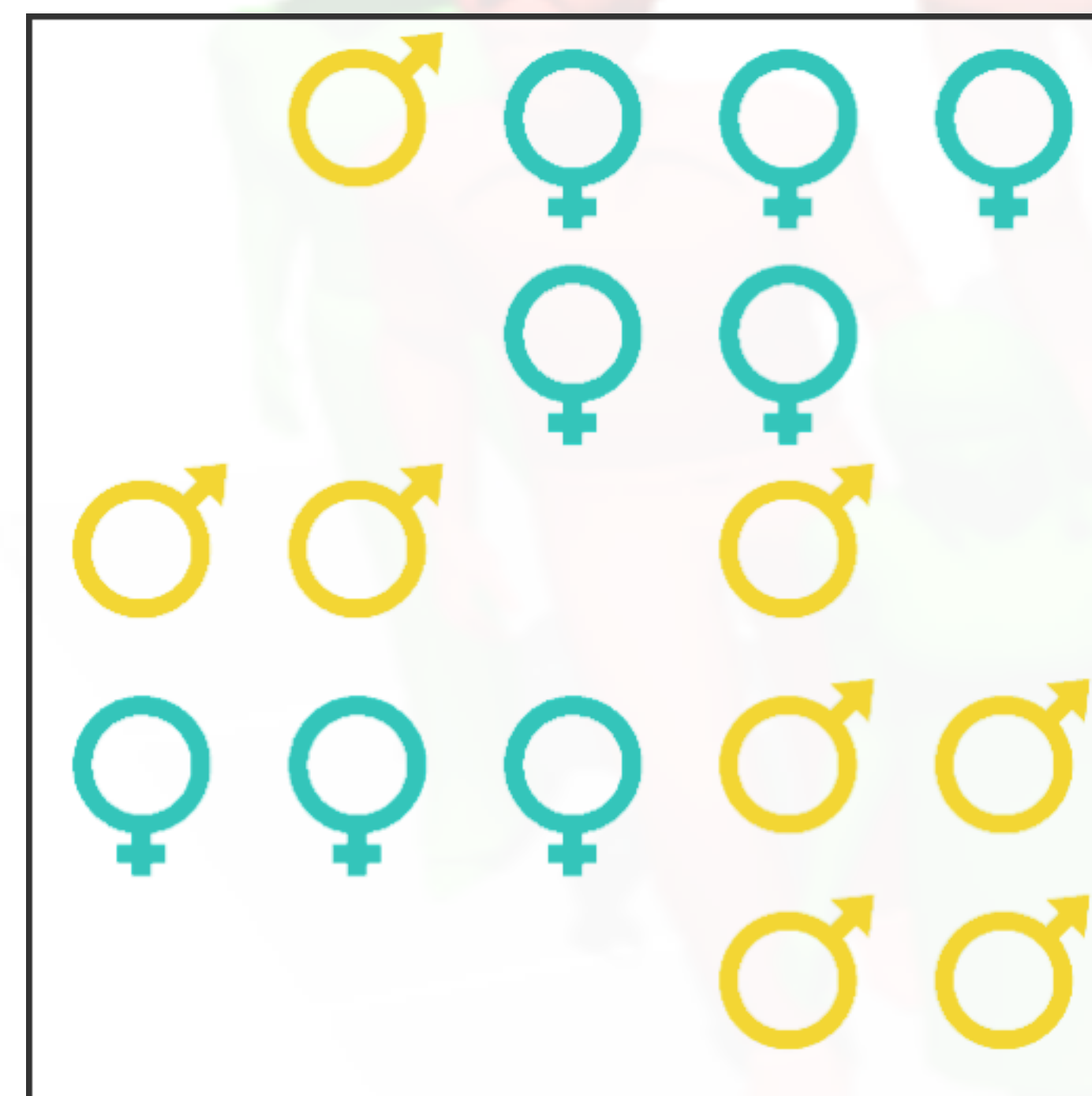
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Segregation in Classrooms

using the Schelling model

Conclusion: Looking at classroom seating, segregated patterns occur already for low preferences on neighbouring classmates.



Segregation due to gender.

This holds both for simulations of the model, as well as active choices of individuals within the prescribed rules.

Introduction: Segregation mainly due to ethnicity and gender is a known fact in Swedish schools. The Schelling model is a good tool to demonstrate basic segregation concepts.

Method: The goal is twofolded; to demonstrate basic segregation concepts and to collect data on individual behaviour.

This is made possible through simulations in a JavaScript model and an online multiplayer game created with addition of the Node.js framework and WebSockets.

Results: Pilot tests of the game and simulations yield the same segregated outcome.

The total similarity when every individual is satisfied is high even if the preference of similarity on individual level is low.

