

Business simulations

MODIFYING SEGREGATION MODEL



Goals of the project



Patterns

Understand agents' behavior



Segregation

Interesting phenomenon, understand how it can arise



Physical barriers

Add to model physical obstacles and see how it influences model



Size

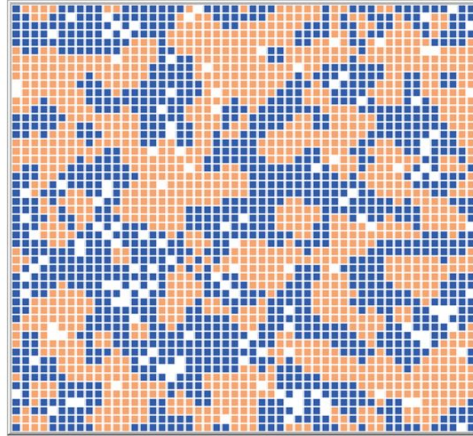
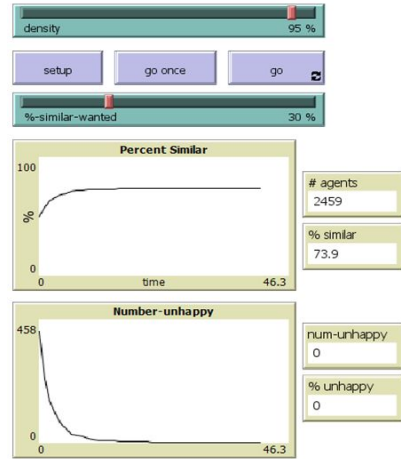
Add agents with different size

Main features - agents

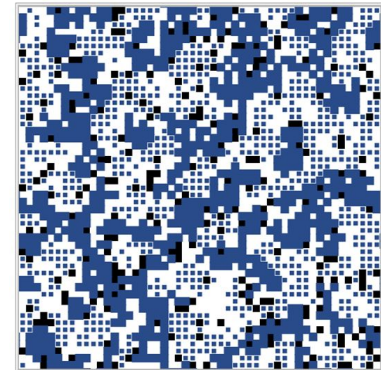
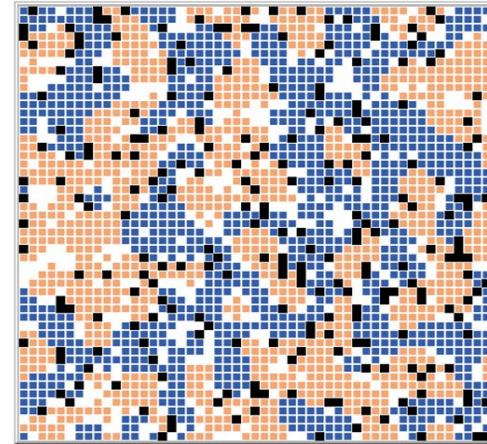
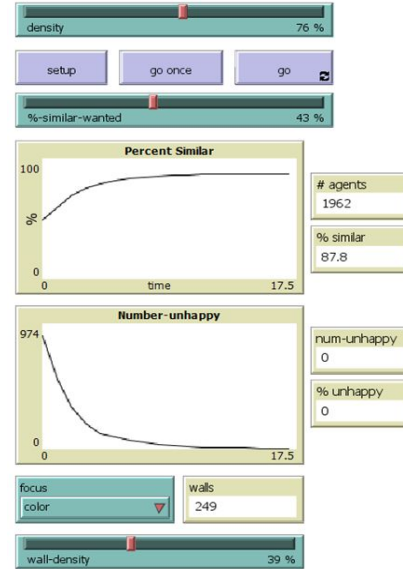


Interface

Before

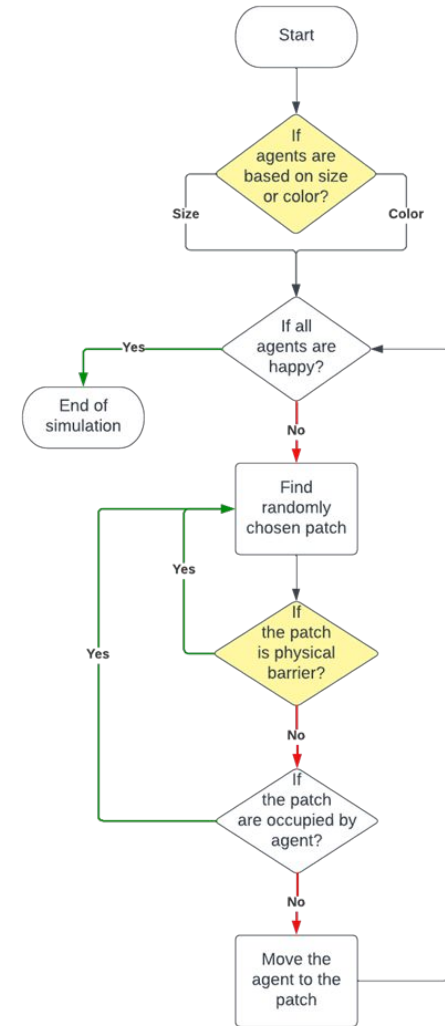
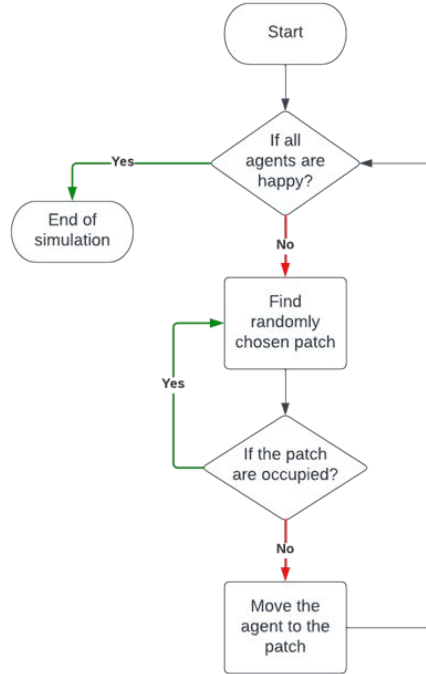


After

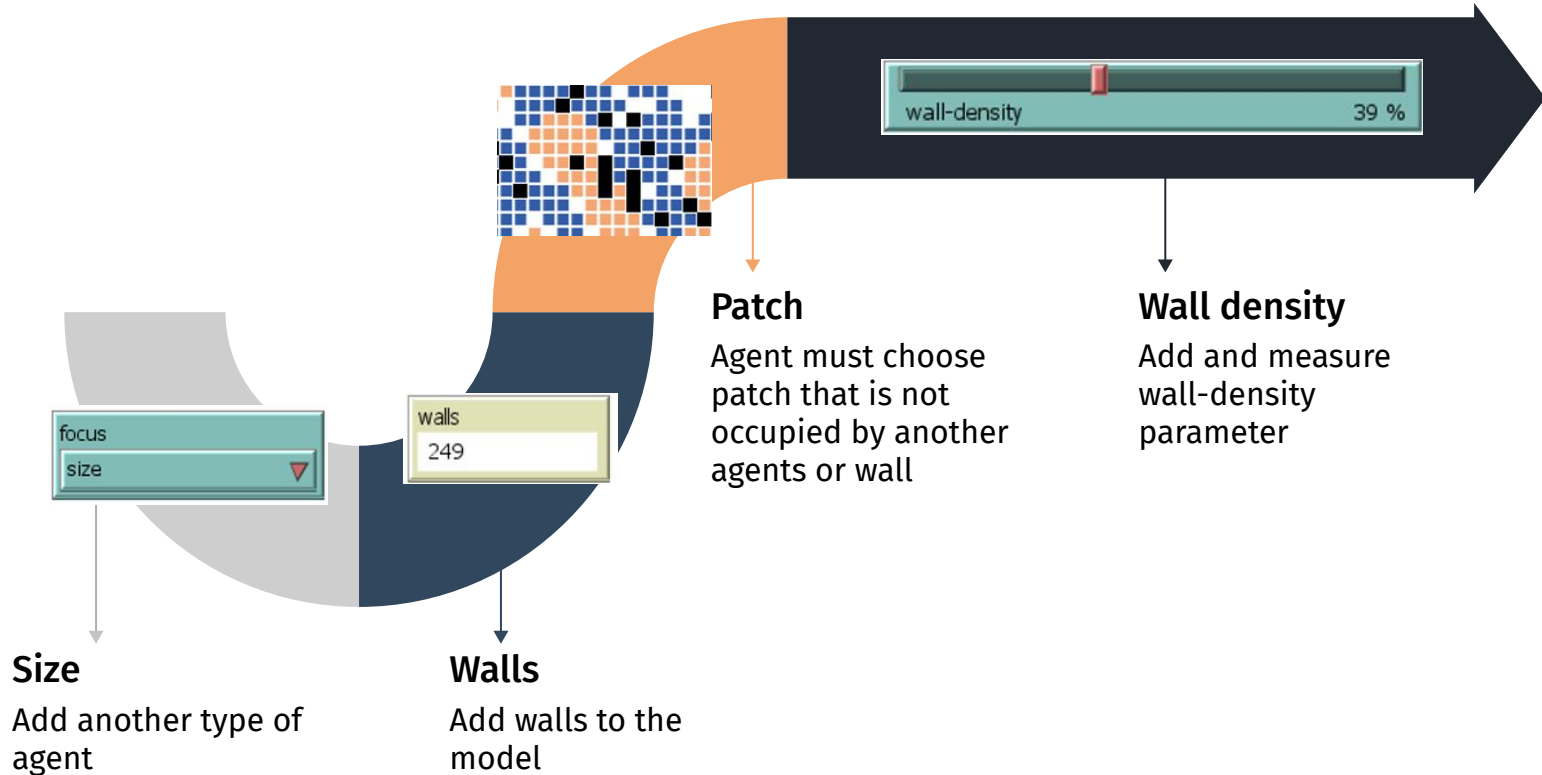


Flowcharts

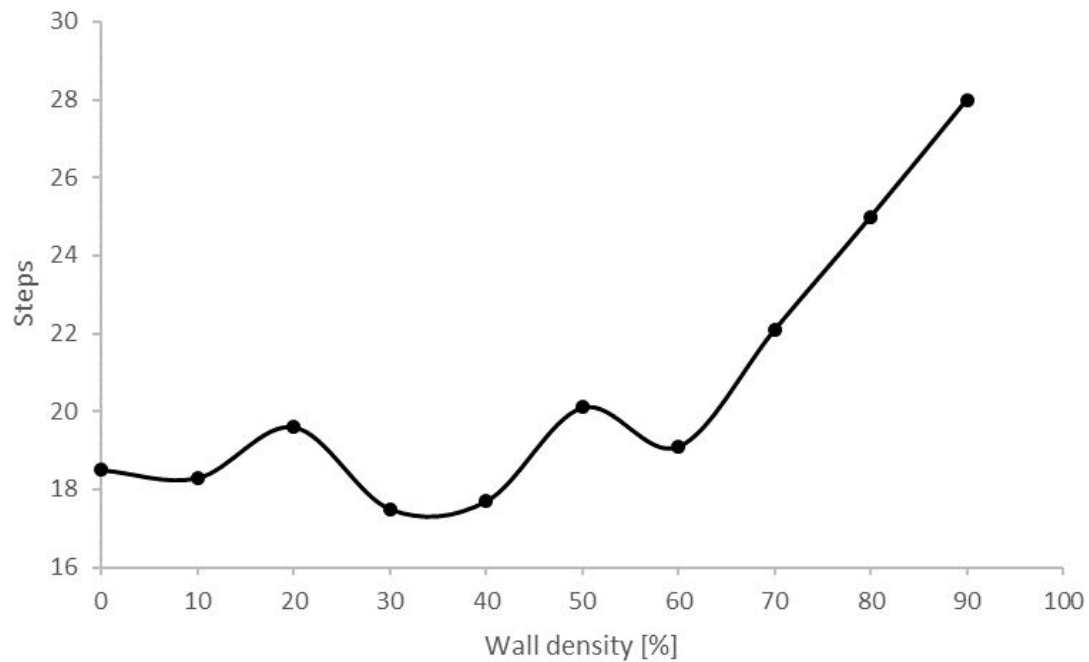
What is going on in model?



Process of modification



Experiment



Conclusions

Time

Walls in the simulation increase simulation time.

Infinite way

Higher wall density can lead to infinite simulations and difficulties in agent segregation.



Either size or color

Regardless of size or color, walls slow down the simulation and impede agent separation.

Segregation

The number of walls directly affects the speed of agent segregation.