

# Transporting Goods using Cellular Automata

Tycho Bismeyer<sup>1</sup> and Stefan Boronea<sup>1</sup>

Faculty of Exact Sciences, Vrije Universiteit Amsterdam

## 1 Introduction

## 2 Literature

[1]

## 3 Model

2D cellular automata with gravity. Bots, obstacles and boxes. Pushing.

### 3.1 The world

Falling  
Pushing

### 3.2 Cellular Automata

The bots move according to cellular automata rules.

## 4 Implementation

## 5 Experiments

## 6 Conclusion

## References

1. Butler, Z., Kotay, K., Rus, D., Tomita, K.: Generic decentralized control for a class of self-reconfigurable robots. In: Robotics and Automation, 2002. Proceedings. ICRA '02. IEEE International Conference on. vol. 1, pp. 809 – 816 vol.1 (2002)

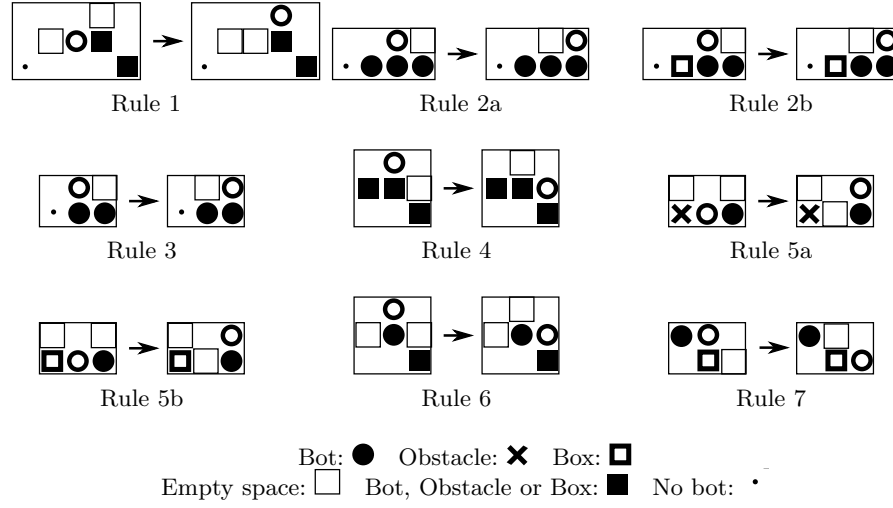


Fig. 1: Cellular automata rules for moving bots.