Transporting Goods using Cellular Automata

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- 1 Introduction
- 2 Literature

[1]

3 Model

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

3.1 The world

Falling Pushing

3.2 Cellular Automata

The bots move according to cellular automa rules.

- 4 Implementation
- 5 Experiments
- 5.1 Experiment 1
- 5.2 Experiment 2
- 5.3 Experiment 3
- 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)

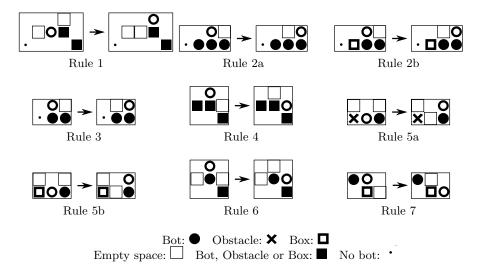


Fig. 1: Cellular automata rules for moving bots.