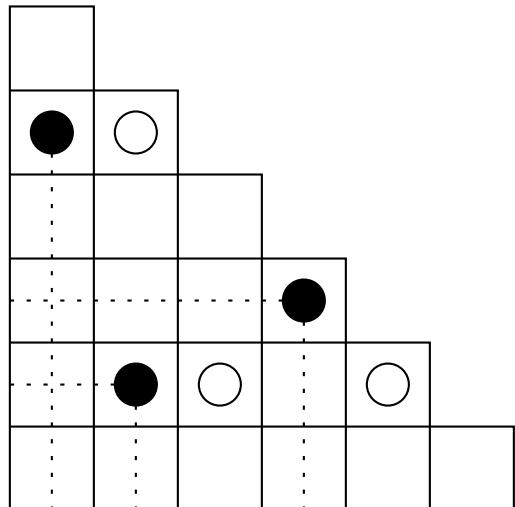


# MATHEMATICS OF JUGGLING

Aalto MS-E1998, 5cr  
14.4. – 21.5. 2015

## CONTENTS

- Affine permutations
- Discrete Markov chains
- Simulator code



## DATES

- First lecture: Tue 14.4.
- Lectures: Tue, Wed 10 – 12
- Exercises: Thu 12 – 14
- Hall: M2 (Aalto main building)

## INTRODUCTION

Discrete juggling models lead to interesting mathematics that is easy to grasp and free from industrial restrictions. While covering the basic models of deterministic and random juggling, we emphasize connections to algebra, combinatorics, probability, and programming.

**The course is suitable for students with various backgrounds and can be completed in many ways.**

