# Assignment 1

## Policies

Due date: 17:00 Fri. Feb. 8, 2019

How to submit:

- email to xingshi.cai@math.uu.se with title "Combinatorics -- Assignment 1"
- or leave it in my mailbox at math department on the 4-th floor of Angstrom laboratory, near the printer of corridor 1 (it's also very close to the entrance of corridor 7).

Extension policy: unless aliens 🗤 invade the earth, there is **no extension**.

Grading method:

- a completed assignment will get 1 point, even with some wrong answers
- partially completed assignments will get 0 point

### Assignment questions

For questions asking for a number, give a short explanation of how you get the number. (It's Okay to say you Google it.)

### Exercise from the textbook

Section 2.9, exercise 10, 26, 33

Section 3.11, exercise 4, 18

### Exercise not from the text book

#### Problem 1

#### Find a closed from of



Hint: Use one identity given in lecture 2.