

**INFORMATION THEORY**

University of Amsterdam, 2018

TEAM NAME: Your team name

# Homework set 1

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### **Question 1**

Your solution here

### Question 5

Your solution here

**Question  $\infty$** 

Here are some macros for you that might be helpful when writing out your solutions to the problems.

- Different fonts:  $\mathcal{X}$ ,  $\mathbb{E}$ ,  $\mathbb{R}$ , abc
- Binomial:  $\binom{n}{k}$
- Set symbols:  $\cap$ ,  $\cup$ ,  $\bigcap_{i=1}^n$ ,  $\setminus$ ,  $\overline{A}$

Entropy diagram for two variables:

