SF2736, Discrete mathematics, autumn 2015 Mon 9 November pm

Sixth lecture

• Sets

 $a \in A, A \subseteq B, A \subset B$ $A \cup B, A \cap B, A \setminus B, A \times B, A^c, \mathcal{P}(A), \varnothing$ |A|Boolean algebra $\mathbb{Z}_+, \mathbb{N}, \mathbb{Z}, \mathbb{Q}, \mathbb{R}, \mathbb{C}, \dots$

Binary relations *R* ⊆ X², properties Equivalence relations, partitions Partial orders Well-orderings

Ordinals