SF2736, Discrete mathematics, autumn 2015 Mon2 November, am

First lecture

• INTRODUCTION

Integers factorization, modular arithmetic Sets, relations cardinality, induction Combinatorics counting things Groups symmetries, algebra Graph theory networks Logic, models proofs, infinities

- Division with remainder Numbers in base t
- Divisibility, $d \mid m$ Primes
- Greatest common divisor, gcd(m, n)The Euclidean algorithm The Diophantine ax + by = c