Homework 3

Introductory Model Theory

Autumn 2021

Due 2021-10-14

There is only one problem of Homework 3. If you don't submit on time, the score you get will multiply $1 - \frac{n}{5}$ if you delay n days for $n < 5$ and 0 for $n \geq 5$.

Problem.1. *Fix $m, p \in \mathbb{N}$, let $\mathfrak{R}$ be the class of all m-ary relations. Prove that $|\mathfrak{R}/\sim_p|$ is finite.*