

Homework assignment for 30th March

March 23, 2017

Exercise 1. Prove in PA that multiplication is associative.

Exercise 2. Prove in PA that multiplication is commutative.

Exercise 3. Prove in PA that for all x, y , either $x = y$ or $x < y$, or $y < x$.

Exercise 4. Prove in PA that for all x, y, z , if $x \leq y$ and $y \leq z$, then $x \leq z$ (i.e. \leq is transitive).