

## Assignment 3: More induction, Sets and Relations

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September 29, 2011

Problem 4:

- $S := \{x \mid x \in \mathbb{N}\}$
- $S := \{x_1, x_2, \dots, x_n\}. \#S \geq 2$
- $S := \{x \in (N) \mid \exists x, y \in S. \frac{xy}{((x**2)-(y**2))} \in S\}$