

## Zed Block Test

### Test 1 : Simple Abbreviation

$SimpleConst == 42$

### Test 2 : Forall elem Axiom

$$\frac{\text{constraint} : \mathbb{N}}{\text{constraint} = 0}$$
$$\forall x : \mathbb{N} \bullet x \geq 0$$

### Test 3 : Exists elem Axiom

$$\frac{hasRoot : \mathbb{N}}{hasRoot = 4}$$
$$\exists n : \mathbb{N} \bullet n * n = hasRoot$$

### Test 4 : Nested Quantifiers elem Axiom

$$\frac{sumTen : \mathbb{N}}{sumTen = 10}$$
$$\forall x : \mathbb{N} \bullet \exists y : \mathbb{N} \bullet x + y = sumTen$$