

Inference at *
of proof for Lemma int_sq:

```
⊢SQType( $\mathbb{Z}$ )  
  by ((Unfold 'sq_type' 0)  
      CollapseTHEN (UnivCD  
THENW (Auto_aux (first_nat 1:n  
  ) ((first_nat 1:n),(first_nat 3:n)) (first_tok :t) inil_term)))).
```

1:

1. $x : \mathbb{Z}$
 2. $y : \mathbb{Z}$
 3. $x = y$
- $\vdash x \sim y$

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