

**int\_1**<sup>12,41</sup>

COM: int\_1\_begin

COM: int\_1\_summary

COM: int\_1\_intro

COM: INT\_DEFS\_acom

STM: le\_wf

COM: ge\_gt\_wf\_com

STM: gt\_wf

STM: comb\_for\_gt\_wf

STM: ge\_wf

STM: comb\_for\_ge\_wf

STM: comb\_for\_le\_wf

ABS:  $i \leq j < k$  **lelt**

ABS:  $i \leq j \leq k$  **lele**

ABS:  $\mathbb{N}$  **nat**

STM: nat\_wf

STM: nat\_properties

ABS:  $\mathbb{N}^+$  **nat\_plus**

STM: nat\_plus\_wf

STM: nat\_plus\_properties

ABS:  $\mathbb{Z}^{-\circ}$  **int\_nzero**

STM: int\_nzero\_wf

STM: int\_nzero\_properties

ABS:  $\{i \dots\}$  **int\_upper**

STM: int\_upper\_wf

STM: comb\_for\_int\_upper\_wf

STM: int\_upper\_properties  
 ABS:  $\{\dots i\}$  **int\_lower**  
 STM: int\_lower\_wf  
 STM: int\_lower\_properties  
 ABS:  $\{i..j^-\}$  **int\_seg**  
 STM: int\_seg\_wf  
 STM: comb\_for\_int\_seg\_wf  
 STM: int\_seg\_properties  
 STM: decidable\_equal\_int\_seg  
 ABS:  $\{i..j\}$  **int\_iseg**  
 STM: int\_iseg\_wf  
 STM: int\_iseg\_properties  
 STM: int\_lt\_to\_int\_upper  
 STM: int\_le\_to\_int\_upper  
 COM: INT\_INCLUSIONS\_tcom  
 STM: nat\_plus\_inc\_nat  
 STM: nat\_plus\_inc  
 STM: nat\_plus\_inc\_int\_nzero  
 COM: INDUCTION\_tcom  
 STM: nat\_ind\_a  
 STM: nat\_ind\_tp  
 STM: nat\_ind  
 STM: comp\_nat\_ind\_tp  
 STM: comp\_nat\_ind\_a  
 STM: nat\_well\_founded  
 COM: OLD\_INDUCTION  
 STM: complete\_nat\_ind

ABS:  $\text{suptype}(S; T)$  **suptype**

STM: complete\_nat\_ind\_with\_y

COM: int\_1\_end