

core_1^{12,41}

COM: core_1_begin

COM: core_1_summary

COM: core_1_intro

COM: graphic chars A0-AF

COM: EndExtendedTermDForms

COM: prec_com

COM: PRIM_DISPS

ABS: Ax **axiom def**

ABS: $s = t$ **equal def**

ABS: $s \sim t$ **squal def**

ABS: Type **universe def**

ABS: Void **void def**

ABS: any **any def**

ABS: Atom **atom def**

ABS: "\$token" **token def**

ABS: $\mathbb{Z}$ **int def**

ABS: Object **object def**

ABS: \$n **natural_number def**

ABS: $-n$ **minus def**

ABS: $n+m$ **add def**

ABS: $n - m$ **subtract def**

ABS: $n * m$ **multiply def**

ABS: $n \div m$ **divide def**

ABS: $n \text{ rem } m$ **remainder def**

ABS: $I(v)$ where $I(\alpha) =$
when $x = \alpha < 0$, $y = I(\alpha+1)$.

$d(x;y)$
 when $\alpha = 0$. bwhen $w = \alpha > 0$, $z = I(\alpha-1)$. $u(w;z)$ end where

ind def

ABS: *type* List **list def**

ABS: [] **nil def**

ABS: [car / cdr] **cons def**

ABS: rec-case(a) of [] => s | $x::y$ => $z.t(x;y;z)$ **list_ind def**

ABS: *left* + *right* **union def**

ABS: inl x **inl def**

ABS: inr x **inr def**

ABS: case b of inl(x) => $s(x)$ | inr(y) => $t(y)$ **decide def**

ABS: $x:A \times B(x)$ **product def**

ABS: $\langle a, b \rangle$ **pair def**

ABS: let $x, y = A$ in $B(x;y)$ **spread def**

ABS: $x:A \rightarrow B(x)$ **function def**

ABS: $\{x \mid y:A \rightarrow B(x;y)\}$ **rfunction def**

ABS: $\cap x:A. B(x)$ **isect def**

ABS: $\lambda x. A(x)$ **lambda def**

ABS: $f(a)$ **apply def**

ABS: $x, y:A // B(x;y)$ **quotient def**

ABS: $\{x:A \mid B(x)\}$ **set def**

ABS: $a < b$ **less_than def**

ABS: if $a=b$ then c else d **atom_eq def**

ABS: if $a=b$ then c else d **int_eq def**

ABS: if $a < b$ then c else d **less def**

ABS: rec_ind($A; x, y. B(x;y)$) **rec_ind def**

ABS: rec($x. A(x)$) **rec def**

COM: LOGIC_ABS1

ABS: $t \in T$ **member**

ABS: Unit **unit**

ABS: True **true**

ABS: False **false**

ABS: $P \ \& \ Q$ **and**

ABS: $P \ \vee \ Q$ **or**

ABS: $P \Rightarrow Q$ **implies**

ABS: $P \Leftarrow Q$ **rev_implies**

ABS: $\downarrow T$ **squash**

ABS: $\neg A$ **not**

ABS: $a \neq b \in T$ **nequal**

ABS: $P \iff Q$ **iff**

ABS: $\exists x:A. B(x)$ **exists**

ABS: $\downarrow \exists x:A. B(x)$ **sq_exists**

ABS: $\forall x:A. B(x)$ **all**

COM: INT_ABS1

ABS: $A \leq B$ **le**

ABS: $i \geq j$ **ge**

ABS: $i > j$ **gt**

COM: subtype_com

ABS: $S \subseteq T$ **subtype**

COM: core_1_end