

core_2^{2,24}

ABS: Y **ycomb**

ABS: $2of(t)$ **pi2**

ABS: $1of(t)$ **pi1**

ABS: $x(s)$ **so_apply1**

ABS: $x(s_1, s_2)$ **so_apply2**

ABS: $x(s_1, s_2, s_3)$ **so_apply3**

ABS: $x(s_1, s_2, s_3, s_4)$ **so_apply4**

ABS: $x(s_1, s_2, s_3, s_4, s_5)$ **so_apply5**

ABS: $x(a, b, c, d, e, f)$ **so_apply6**

ABS: $x(a, b, c, d, e, f, g)$ **so_apply7**

ABS: $x f y$ **infix_ap**

ABS: $\lambda_2 x. t(x)$ **so_lambda1**

ABS: $\lambda_2 x, y. t(x; y)$ **so_lambda2**

ABS: $t \dots \$L$ **label**

ABS: $\{T\}$ **guard**

ABS: ??? **error**

ABS: Prop **prop**

ABS: $A \& B$ **cand**

ABS: $\text{lexpr}\{i\}$ **parameter**

STM: **false_wf**

STM: **true_wf**

STM: **squash_wf**

STM: **guard_wf**

STM: **unit_wf**

STM: **not_wf**

STM: comb_for_not_wf
 STM: rev_implies_wf
 STM: comb_for_rev_implies_wf
 STM: iff_wf
 STM: comb_for_iff_wf
 STM: nequal_wf
 STM: comb_for_member_wf
 STM: member_wf
 ABS: I **icomb**
 STM: icomb_wf
 ABS: K **kcomb**
 STM: kcomb_wf
 ABS: S **scomb**
 STM: scomb_wf
 STM: pi1_wf
 STM: pi2_wf
 STM: pair_eta_rw
 ABS: let $x,y,z = a$ in $t(x;y;z)$ **spread3**
 ABS: let $w,x,y,z = a$ in $t(w;x;y;z)$ **spread4**
 ABS: let $a,b,c,d,e = u$ in $v(a;b;c;d;e)$ **spread5**
 ABS: let $a,b,c,d,e,f = u$ in $v(a;b;c;d;e;f)$ **spread6**
 ABS: let $a,b,c,d,e,f,g = u$ in $v(a;b;c;d;e;f;g)$ **spread7**
 ABS: **· it**
 STM: it_wf
 STM: unit_triviality
 ABS: $\text{Dec}(P)$ **decidable**
 STM: decidable_wf

STM: decidable_or
STM: decidable_and
STM: decidable_implies
STM: decidable_false
STM: decidable_not
STM: decidable_iff
STM: decidable_int_equal
STM: decidable_lt
STM: decidable_le
STM: decidable_atom_equal
STM: iff_preserves_decidability
ABS: $\text{Stable}\{P\}$ **stable**
STM: stable_wf
STM: stable_not
STM: stable_function_equal
STM: stable_from_decidable
ABS: $\text{SqStable}(P)$ **sq_stable**
STM: sq_stable_wf
STM: sq_stable_and
STM: sq_stable_implies
STM: sq_stable_iff
STM: sq_stable_all
STM: sq_stable_equal
STM: sq_stable_squash
STM: sq_stable_from_stable
STM: sq_stable_not
STM: sq_stable_from_decidable

ABS: XM **xmiddle**

STM: xmiddle_wf

STM: squash_elim

STM: dneg_elim

STM: dneg_elim_a

STM: iff_symmetry

STM: and_assoc

STM: and_comm

STM: or_assoc

STM: or_comm

STM: not_over_or

STM: not_over_or_a

STM: not_over_and_b

STM: not_over_and

STM: and_false_l

STM: and_false_r

STM: and_true_l

STM: and_true_r

STM: or_false_l

STM: or_false_r

STM: or_true_l

STM: or_true_r

STM: exists_over_and_r

STM: not_over_exists

STM: equal_symmetry

STM: iff_transitivity

STM: implies_transitivity

STM: and_functionality_wrt_iff
STM: and_functionality_wrt_implies
STM: implies_functionality_wrt_iff
STM: implies_functionality_wrt_implies
STM: decidable_functionality
STM: iff_functionality_wrt_iff
STM: all_functionality_wrt_iff
STM: all_functionality_wrt_implies
STM: exists_functionality_wrt_iff
STM: exists_functionality_wrt_implies
STM: not_functionality_wrt_iff
STM: not_functionality_wrt_implies
STM: or_functionality_wrt_iff
STM: or_functionality_wrt_implies
STM: squash_functionality_wrt_implies
STM: squash_functionality_wrt_iff
STM: implies_antisymmetry
STM: gen_hyp_tp
ABS: let $x = a$ in $b(x)$ **let**
STM: let_wf
ABS: $[x]\{T\}$ **type_inj**
ABS: $\in x:T. P(x)$ **choicef**
STM: choicef_wf
STM: choicef_lemma
STM: fun_thru_spread
STM: spread_to_pi12
ABS: $\{a:T\}$ **singleton**

STM: singleton_wf

STM: singleton_properties

ABS: $\{!x:T \mid P(x)\}$ **unique_set**

STM: unique_set_wf

ABS: $a =!x:T. Q(x)$ **uni_sat**

STM: uni_sat_wf

STM: uni_sat_imp_in_uni_set

STM: sq_stable__uni_sat

STM: comb_for_pi1_wf

STM: comb_for_pi2_wf