es_realizer_object_directory[11,40]

ABS: Realizer **es_realizer**

STM: es_realizer_wf

ABS: Rnone() **Rnone**

STM: Rnone_wf

ABS: *left* $\oplus$ *right* **Rplus**

STM: Rplus_wf

ABS: Rinit(*loc*;*T*;*x*;*v*) **Rinit**

STM: Rinit_wf

ABS: Rframe(*loc*;*T*;*x*;*L*) **Rframe**

STM: Rframe_wf

ABS: Rsframe(*lnk*;*tag*;*L*) **Rsframe**

STM: Rsframe_wf

ABS: Reffect(*loc*;*ds*;*knd*;*T*;*x*;*f*) **Reffect**

STM: Reffect_wf

ABS: Rsends(*ds*;*knd*;*T*;*l*;*dt*;*g*) **Rsends**

STM: Rsends_wf

ABS: Rpre(*loc*;*ds*;*a*;*p*;*P*) **Rpre**

STM: Rpre_wf

ABS: Raframe(*loc*;*k*;*L*) **Raframe**

STM: Raframe_wf

ABS: Rbframe(*loc*;*k*;*L*) **Rbframe**

STM: Rbframe_wf

ABS: Rrframe(*loc*;*x*;*L*) **Rrframe**

STM: Rrframe_wf

ABS: case x_1 of
Rnone => *none*

Rplus($left$,$right$)=>rec_1,rec_2.$plus$($left$;$right$;rec_1;rec_2)
Rinit(loc,T,x,v)=> $init$(loc;T;x;v)
Rframe(loc,T,x,L)=> $frame$(loc;T;x;L)
Rsframe(lnk,tag,L)=> $sframe$(lnk;tag;L)
Reffect(loc,ds,knd,T,x,f)=> $effect$(loc;ds;knd;T;x;f)
Rsends(ds,knd,T,l,dt,g)=> $sends$(ds;knd;T;l;dt;g)
Rpre(loc,ds,a,p,P)=> pre(loc;ds;a;p;P)
Rkframe(loc,k,L)=> $aframe$(loc;k;L)
Rksframe(loc,k,L)=> $bframe$(loc;k;L)
Rrframe(loc,x,L)=> $rframe$(loc;x;L)

es_realizer_ind

STM: es_realizer_ind_wf

STM: es_realizer-induction

ABS: es_realizer_ind_Rnone{es_realizer_ind_Rnone_compseq_tag_def:ObjectId}
(v_{11},v_{12},v_{13}.$rframe$(v_{11};v_{12};v_{13});
v_{21},v_{22},v_{23}.$bframe$(v_{21};v_{22};v_{23});
v_{31},v_{32},v_{33}.$aframe$(v_{31};v_{32};v_{33});
v_{41},v_{42},v_{43},v_{44},v_{45}.pre(v_{41};v_{42};v_{43};v_{44};v_{45});
v_{51},v_{52},v_{53},v_{54},v_{55},v_{56}.$sends$(v_{51};v_{52};v_{53};v_{54};v_{55};v_{56});
v_{61},v_{62},v_{63},v_{64},v_{65},v_{66}.$effect$(v_{61};v_{62};v_{63};v_{64};v_{65};v_{66});
v_{71},v_{72},v_{73}.$sframe$(v_{71};v_{72};v_{73});
v_{81},v_{82},v_{83},v_{84}.$frame$(v_{81};v_{82};v_{83};v_{84});
v_{91},v_{92},v_{93},v_{94}.$init$(v_{91};v_{92};v_{93};v_{94});
v_{101},v_{102},v_{103},v_{104}.$plus$(v_{101};v_{102};v_{103};v_{104});
$none$)

es_realizer_ind_Rnone_compseq_tag_def

ABS: es_realizer_ind_Rplus{es_realizer_ind_Rplus_compseq_tag_def:ObjectId}
(v_{11},v_{12},v_{13}.$rframe$(v_{11};v_{12};v_{13});
v_{21},v_{22},v_{23}.$bframe$(v_{21};v_{22};v_{23});
v_{31},v_{32},v_{33}.$aframe$(v_{31};v_{32};v_{33});
v_{41},v_{42},v_{43},v_{44},v_{45}.pre(v_{41};v_{42};v_{43};v_{44};v_{45});
v_{51},v_{52},v_{53},v_{54},v_{55},v_{56}.$sends$(v_{51};v_{52};v_{53};v_{54};v_{55};v_{56});
v_{61},v_{62},v_{63},v_{64},v_{65},v_{66}.$effect$(v_{61};v_{62};v_{63};v_{64};v_{65};v_{66});
v_{71},v_{72},v_{73}.$sframe$(v_{71};v_{72};v_{73});
v_{81},v_{82},v_{83},v_{84}.$frame$(v_{81};v_{82};v_{83};v_{84});
v_{91},v_{92},v_{93},v_{94}.$init$(v_{91};v_{92};v_{93};v_{94});
v_{101},v_{102},v_{103},v_{104}.$plus$(v_{101};v_{102};v_{103};v_{104});
$none$;

$right$;
$left$)

es_realizer_ind_Rplus_compseq_tag_def

ABS: es_realizer_ind_Rinit{es_realizer_ind_Rinit_compseq_tag_def:ObjectId}
(v_{11},v_{12},v_{13}.$rframe$(v_{11};v_{12};v_{13});
v_{21},v_{22},v_{23}.$bframe$(v_{21};v_{22};v_{23});
v_{31},v_{32},v_{33}.$aframe$(v_{31};v_{32};v_{33});
v_{41},v_{42},v_{43},v_{44},v_{45}.pre(v_{41};v_{42};v_{43};v_{44};v_{45});
v_{51},v_{52},v_{53},v_{54},v_{55},v_{56}.$sends$(v_{51};v_{52};v_{53};v_{54};v_{55};v_{56});
v_{61},v_{62},v_{63},v_{64},v_{65},v_{66}.$effect$(v_{61};v_{62};v_{63};v_{64};v_{65};v_{66});
v_{71},v_{72},v_{73}.$sframe$(v_{71};v_{72};v_{73});
v_{81},v_{82},v_{83},v_{84}.$frame$(v_{81};v_{82};v_{83};v_{84});
v_{91},v_{92},v_{93},v_{94}.$init$(v_{91};v_{92};v_{93};v_{94});
v_{101},v_{102},v_{103},v_{104}.$plus$(v_{101};v_{102};v_{103};v_{104});
$none$;
v;
x;
T;
loc)

es_realizer_ind_Rinit_compseq_tag_def

ABS: es_realizer_ind_Rframe{es_realizer_ind_Rframe_compseq_tag_def:ObjectId}
(v_{11},v_{12},v_{13}.$rframe$(v_{11};v_{12};v_{13});
v_{21},v_{22},v_{23}.$bframe$(v_{21};v_{22};v_{23});
v_{31},v_{32},v_{33}.$aframe$(v_{31};v_{32};v_{33});
v_{41},v_{42},v_{43},v_{44},v_{45}.pre(v_{41};v_{42};v_{43};v_{44};v_{45});
v_{51},v_{52},v_{53},v_{54},v_{55},v_{56}.$sends$(v_{51};v_{52};v_{53};v_{54};v_{55};v_{56});
v_{61},v_{62},v_{63},v_{64},v_{65},v_{66}.$effect$(v_{61};v_{62};v_{63};v_{64};v_{65};v_{66});
v_{71},v_{72},v_{73}.$sframe$(v_{71};v_{72};v_{73});
v_{81},v_{82},v_{83},v_{84}.$frame$(v_{81};v_{82};v_{83};v_{84});
v_{91},v_{92},v_{93},v_{94}.$init$(v_{91};v_{92};v_{93};v_{94});
v_{101},v_{102},v_{103},v_{104}.$plus$(v_{101};v_{102};v_{103};v_{104});
$none$;
L;
x;
T;
loc)

es_realizer_ind_Rframe_compseq_tag_def

ABS: es_realizer_ind_Rsframe{es_realizer_ind_Rsframe_compseq_tag_def:ObjectId}
$(v_{11},v_{12},v_{13}.rframe(v_{11};v_{12};v_{13});$
$v_{21},v_{22},v_{23}.bframe(v_{21};v_{22};v_{23});$
$v_{31},v_{32},v_{33}.aframe(v_{31};v_{32};v_{33});$
$v_{41},v_{42},v_{43},v_{44},v_{45}.pre(v_{41};v_{42};v_{43};v_{44};v_{45});$
$v_{51},v_{52},v_{53},v_{54},v_{55},v_{56}.sends(v_{51};v_{52};v_{53};v_{54};v_{55};v_{56});$
$v_{61},v_{62},v_{63},v_{64},v_{65},v_{66}.effect(v_{61};v_{62};v_{63};v_{64};v_{65};v_{66});$
$v_{71},v_{72},v_{73}.sframe(v_{71};v_{72};v_{73});$
$v_{81},v_{82},v_{83},v_{84}.frame(v_{81};v_{82};v_{83};v_{84});$
$v_{91},v_{92},v_{93},v_{94}.init(v_{91};v_{92};v_{93};v_{94});$
$v_{101},v_{102},v_{103},v_{104}.plus(v_{101};v_{102};v_{103};v_{104});$
$none;$
$L;$
$tag;$
$lnk)$

es_realizer_ind_Rsframe_compseq_tag_def

ABS: es_realizer_ind_Reffect{es_realizer_ind_Reffect_compseq_tag_def:ObjectId}
$(v_{11},v_{12},v_{13}.rframe(v_{11};v_{12};v_{13});$
$v_{21},v_{22},v_{23}.bframe(v_{21};v_{22};v_{23});$
$v_{31},v_{32},v_{33}.aframe(v_{31};v_{32};v_{33});$
$v_{41},v_{42},v_{43},v_{44},v_{45}.pre(v_{41};v_{42};v_{43};v_{44};v_{45});$
$v_{51},v_{52},v_{53},v_{54},v_{55},v_{56}.sends(v_{51};v_{52};v_{53};v_{54};v_{55};v_{56});$
$v_{61},v_{62},v_{63},v_{64},v_{65},v_{66}.effect(v_{61};v_{62};v_{63};v_{64};v_{65};v_{66});$
$v_{71},v_{72},v_{73}.sframe(v_{71};v_{72};v_{73});$
$v_{81},v_{82},v_{83},v_{84}.frame(v_{81};v_{82};v_{83};v_{84});$
$v_{91},v_{92},v_{93},v_{94}.init(v_{91};v_{92};v_{93};v_{94});$
$v_{101},v_{102},v_{103},v_{104}.plus(v_{101};v_{102};v_{103};v_{104});$
$none;$
$f;$
$x;$
$T;$
$knd;$
$ds;$
$loc)$

es_realizer_ind_Reffect_compseq_tag_def

ABS: es_realizer_ind_Rsends{es_realizer_ind_Rsends_compseq_tag_def:ObjectId}
$(v_{11},v_{12},v_{13}.rframe(v_{11};v_{12};v_{13});$
$v_{21},v_{22},v_{23}.bframe(v_{21};v_{22};v_{23});$
$v_{31},v_{32},v_{33}.aframe(v_{31};v_{32};v_{33});$
$v_{41},v_{42},v_{43},v_{44},v_{45}.pre(v_{41};v_{42};v_{43};v_{44};v_{45});$

v_{51},v_{52},v_{53},v_{54},v_{55},v_{56}.*sends*(v_{51};v_{52};v_{53};v_{54};v_{55};v_{56});
v_{61},v_{62},v_{63},v_{64},v_{65},v_{66}.*effect*(v_{61};v_{62};v_{63};v_{64};v_{65};v_{66});
v_{71},v_{72},v_{73}.*sframe*(v_{71};v_{72};v_{73});
v_{81},v_{82},v_{83},v_{84}.*frame*(v_{81};v_{82};v_{83};v_{84});
v_{91},v_{92},v_{93},v_{94}.*init*(v_{91};v_{92};v_{93};v_{94});
v_{101},v_{102},v_{103},v_{104}.*plus*(v_{101};v_{102};v_{103};v_{104});
none;
g;
dt;
l;
T;
knd;
ds)

es_realizer_ind_Rsends_compseq_tag_def

ABS: es_realizer_ind_Rpre{es_realizer_ind_Rpre_compseq_tag_def:ObjectId}
(v_{11},v_{12},v_{13}.*rframe*(v_{11};v_{12};v_{13});
v_{21},v_{22},v_{23}.*bframe*(v_{21};v_{22};v_{23});
v_{31},v_{32},v_{33}.*aframe*(v_{31};v_{32};v_{33});
v_{41},v_{42},v_{43},v_{44},v_{45}.*pre*(v_{41};v_{42};v_{43};v_{44};v_{45});
v_{51},v_{52},v_{53},v_{54},v_{55},v_{56}.*sends*(v_{51};v_{52};v_{53};v_{54};v_{55};v_{56});
v_{61},v_{62},v_{63},v_{64},v_{65},v_{66}.*effect*(v_{61};v_{62};v_{63};v_{64};v_{65};v_{66});
v_{71},v_{72},v_{73}.*sframe*(v_{71};v_{72};v_{73});
v_{81},v_{82},v_{83},v_{84}.*frame*(v_{81};v_{82};v_{83};v_{84});
v_{91},v_{92},v_{93},v_{94}.*init*(v_{91};v_{92};v_{93};v_{94});
v_{101},v_{102},v_{103},v_{104}.*plus*(v_{101};v_{102};v_{103};v_{104});
none;
P;
p;
a;
ds;
loc)

es_realizer_ind_Rpre_compseq_tag_def

ABS: es_realizer_ind_Raframe{es_realizer_ind_Raframe_compseq_tag_def:ObjectId}
(v_{11},v_{12},v_{13}.*rframe*(v_{11};v_{12};v_{13});
v_{21},v_{22},v_{23}.*bframe*(v_{21};v_{22};v_{23});
v_{31},v_{32},v_{33}.*aframe*(v_{31};v_{32};v_{33});
v_{41},v_{42},v_{43},v_{44},v_{45}.*pre*(v_{41};v_{42};v_{43};v_{44};v_{45});
v_{51},v_{52},v_{53},v_{54},v_{55},v_{56}.*sends*(v_{51};v_{52};v_{53};v_{54};v_{55};v_{56});
v_{61},v_{62},v_{63},v_{64},v_{65},v_{66}.*effect*(v_{61};v_{62};v_{63};v_{64};v_{65};v_{66});
v_{71},v_{72},v_{73}.*sframe*(v_{71};v_{72};v_{73});

v_{81},v_{82},v_{83},v_{84}.*frame*(v_{81};v_{82};v_{83};v_{84});
v_{91},v_{92},v_{93},v_{94}.*init*(v_{91};v_{92};v_{93};v_{94});
v_{101},v_{102},v_{103},v_{104}.*plus*(v_{101};v_{102};v_{103};v_{104});
none;
L;
k;
loc)

es_realizer_ind_Raframe_compseq_tag_def

ABS: es_realizer_ind_Rbframe{es_realizer_ind_Rbframe_compseq_tag_def:ObjectId}
(v_{11},v_{12},v_{13}.*rframe*(v_{11};v_{12};v_{13});
v_{21},v_{22},v_{23}.*bframe*(v_{21};v_{22};v_{23});
v_{31},v_{32},v_{33}.*aframe*(v_{31};v_{32};v_{33});
v_{41},v_{42},v_{43},v_{44},v_{45}.*pre*(v_{41};v_{42};v_{43};v_{44};v_{45});
v_{51},v_{52},v_{53},v_{54},v_{55},v_{56}.*sends*(v_{51};v_{52};v_{53};v_{54};v_{55};v_{56});
v_{61},v_{62},v_{63},v_{64},v_{65},v_{66}.*effect*(v_{61};v_{62};v_{63};v_{64};v_{65};v_{66});
v_{71},v_{72},v_{73}.*sframe*(v_{71};v_{72};v_{73});
v_{81},v_{82},v_{83},v_{84}.*frame*(v_{81};v_{82};v_{83};v_{84});
v_{91},v_{92},v_{93},v_{94}.*init*(v_{91};v_{92};v_{93};v_{94});
v_{101},v_{102},v_{103},v_{104}.*plus*(v_{101};v_{102};v_{103};v_{104});
none;
L;
k;
loc)

es_realizer_ind_Rbframe_compseq_tag_def

ABS: es_realizer_ind_Rrframe{es_realizer_ind_Rrframe_compseq_tag_def:ObjectId}
(v_{11},v_{12},v_{13}.*rframe*(v_{11};v_{12};v_{13});
v_{21},v_{22},v_{23}.*bframe*(v_{21};v_{22};v_{23});
v_{31},v_{32},v_{33}.*aframe*(v_{31};v_{32};v_{33});
v_{41},v_{42},v_{43},v_{44},v_{45}.*pre*(v_{41};v_{42};v_{43};v_{44};v_{45});
v_{51},v_{52},v_{53},v_{54},v_{55},v_{56}.*sends*(v_{51};v_{52};v_{53};v_{54};v_{55};v_{56});
v_{61},v_{62},v_{63},v_{64},v_{65},v_{66}.*effect*(v_{61};v_{62};v_{63};v_{64};v_{65};v_{66});
v_{71},v_{72},v_{73}.*sframe*(v_{71};v_{72};v_{73});
v_{81},v_{82},v_{83},v_{84}.*frame*(v_{81};v_{82};v_{83};v_{84});
v_{91},v_{92},v_{93},v_{94}.*init*(v_{91};v_{92};v_{93};v_{94});
v_{101},v_{102},v_{103},v_{104}.*plus*(v_{101};v_{102};v_{103};v_{104});
none;
L;
x;
loc)

es_realizer_ind_Rrframe_compseq_tag_def

ABS: Rnone?(x_1) **Rnone?**

STM: Rnone?_wf

ABS: Rplus?(x_1) **Rplus?**

STM: Rplus?_wf

ABS: Rplus-left(x_1) **Rplus-left**

STM: Rplus-left_wf

ABS: Rplus-right(x_1) **Rplus-right**

STM: Rplus-right_wf

ABS: Rinit?(x_1) **Rinit?**

STM: Rinit?_wf

ABS: Rinit-loc(x_1) **Rinit-loc**

STM: Rinit-loc_wf

ABS: Rinit-T(x_1) **Rinit-T**

STM: Rinit-T_wf

ABS: Rinit-x(x_1) **Rinit-x**

STM: Rinit-x_wf

ABS: Rinit-v(x_1) **Rinit-v**

STM: Rinit-v_wf

ABS: Rframe?(x_1) **Rframe?**

STM: Rframe?_wf

ABS: Rframe-loc(x_1) **Rframe-loc**

STM: Rframe-loc_wf

ABS: Rframe-T(x_1) **Rframe-T**

STM: Rframe-T_wf

ABS: Rframe-x(x_1) **Rframe-x**

STM: Rframe-x_wf

ABS: Rframe-L(x_1) **Rframe-L**

STM: Rframe-L_wf

ABS: Rsframe?(x_1) **Rsframe?**

STM: Rsframe?_wf

ABS: Rsframe-lnk(x_1) **Rsframe-lnk**

STM: Rsframe-lnk_wf

ABS: Rsframe-tag(x_1) **Rsframe-tag**

STM: Rsframe-tag_wf

ABS: Rsframe-L(x_1) **Rsframe-L**

STM: Rsframe-L_wf

ABS: Reffect?(x_1) **Reffect?**

STM: Reffect?_wf

ABS: Reffect-loc(x_1) **Reffect-loc**

STM: Reffect-loc_wf

ABS: Reffect-ds(x_1) **Reffect-ds**

STM: Reffect-ds_wf

ABS: Reffect-knd(x_1) **Reffect-knd**

STM: Reffect-knd_wf

ABS: Reffect-T(x_1) **Reffect-T**

STM: Reffect-T_wf

ABS: Reffect-x(x_1) **Reffect-x**

STM: Reffect-x_wf

ABS: Reffect-f(x_1) **Reffect-f**

STM: Reffect-f_wf

ABS: Rsends?(x_1) **Rsends?**

STM: Rsends?_wf

ABS: Rsends-ds(x_1) **Rsends-ds**

STM: Rsends-ds_wf

ABS: Rsends-knd(x_1) **Rsends-knd**

STM: Rsends-knd_wf

ABS: Rsends-T(x_1) **Rsends-T**

STM: Rsends-T_wf

ABS: Rsends-l(x_1) **Rsends-l**

STM: Rsends-l_wf

ABS: Rsends-dt(x_1) **Rsends-dt**

STM: Rsends-dt_wf

ABS: Rsends-g(x_1) **Rsends-g**

STM: Rsends-g_wf

ABS: Rpre?(x_1) **Rpre?**

STM: Rpre?_wf

ABS: Rpre-loc(x_1) **Rpre-loc**

STM: Rpre-loc_wf

ABS: Rpre-ds(x_1) **Rpre-ds**

STM: Rpre-ds_wf

ABS: Rpre-a(x_1) **Rpre-a**

STM: Rpre-a_wf

ABS: Rpre-p(x_1) **Rpre-p**

STM: Rpre-p_wf

ABS: Rpre-P(x_1) **Rpre-P**

STM: Rpre-P_wf

ABS: Raframe?(x_1) **Raframe?**

STM: Raframe?_wf

ABS: Raframe-loc(x_1) **Raframe-loc**

STM: Raframe-loc_wf

ABS: Raframe-k(x_1) **Raframe-k**

STM: Raframe-k_wf

ABS: Raframe-L(x_1) **Raframe-L**

STM: Raframe-L_wf

ABS: Rbframe?(x_1) **Rbframe?**

STM: Rbframe?_wf

ABS: Rbframe-loc(x_1) **Rbframe-loc**

STM: Rbframe-loc_wf

ABS: Rbframe-k(x_1) **Rbframe-k**

STM: Rbframe-k_wf

ABS: Rbframe-L(x_1) **Rbframe-L**

STM: Rbframe-L_wf

ABS: Rrframe?(x_1) **Rrframe?**

STM: Rrframe?_wf

ABS: Rrframe-loc(x_1) **Rrframe-loc**

STM: Rrframe-loc_wf

ABS: Rrframe-x(x_1) **Rrframe-x**

STM: Rrframe-x_wf

ABS: Rrframe-L(x_1) **Rrframe-L**

STM: Rrframe-L_wf

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http://www.nuprl.org/FDLcontent/p0_963683_/p35_865905_{es_realizer_object_directory}.html