

ecl_object_directory^{11,40}

ABS: $\text{ecl}(ds;da)$ **ecl**

STM: ecl_wf

ABS: $\text{eclbase}(k;test)$ **eclbase**

STM: eclbase_wf

ABS: $\text{eclseq}(a;b)$ **eclseq**

STM: eclseq_wf

ABS: $\text{ecland}(a;b)$ **ecland**

STM: ecland_wf

ABS: $\text{eclor}(a;b)$ **eclor**

STM: eclor_wf

ABS: $[a]^*$ **eclrepeat**

STM: eclrepeat_wf

ABS: $a.n$ **eclact**

STM: eclact_wf

ABS: $\text{eclthrow}(a;n)$ **eclthrow**

STM: eclthrow_wf

ABS: $\text{eclcatch}(a;l)$ **eclcatch**

STM: eclcatch_wf

ABS: $\text{ecl_ind}(x;k, test.base(k$

$;test);a,b,rec_1,rec_2.seq(a$

$;b$

$;rec_1$

$;rec_2);a,b,rec_1,rec_2.and(a$

$;b$

$;rec_1$

$;rec_2);a,b,rec_1,rec_2.or(a$

$;b$

$;rec_1$

$;rec_2);a,rec_1.repeat(a$

$;rec_1);a,n,$

ecl_ind

STM: ecl_ind_wf

STM: ecl-induction

ABS: ecl_ind_eclbase{ecl_ind_eclbase_compseq_tag_def:ObjectId}

```
(v11,v12,v13.catch(v11;v12;v13);  
v21,v22,v23.throw(v21;v22;v23);  
v31,v32,v33.act(v31;v32;v33);  
v41,v42.repeat(v41;v42);  
v51,v52,v53,v54.or(v51;v52;v53;v54);  
v61,v62,v63,v64.and(v61;v62;v63;v64);  
v71,v72,v73,v74.seq(v71;v72;v73;v74);  
v81,v82.base(v81;v82);  
test;  
k)
```

ecl_ind_eclbase_compseq_tag_def

ABS: ecl_ind_eclseq{ecl_ind_eclseq_compseq_tag_def:ObjectId}

```
(v11,v12,v13.catch(v11;v12;v13);  
v21,v22,v23.throw(v21;v22;v23);  
v31,v32,v33.act(v31;v32;v33);  
v41,v42.repeat(v41;v42);  
v51,v52,v53,v54.or(v51;v52;v53;v54);  
v61,v62,v63,v64.and(v61;v62;v63;v64);  
v71,v72,v73,v74.seq(v71;v72;v73;v74);  
v81,v82.base(v81;v82);  
b;  
a)
```

ecl_ind_eclseq_compseq_tag_def

ABS: ecl_ind_ecland{ecl_ind_ecland_compseq_tag_def:ObjectId}

```
(v11,v12,v13.catch(v11;v12;v13);
```

```

v21,v22,v23.throw(v21;v22;v23);
v31,v32,v33.act(v31;v32;v33);
v41,v42.repeat(v41;v42);
v51,v52,v53,v54.or(v51;v52;v53;v54);
v61,v62,v63,v64.and(v61;v62;v63;v64);
v71,v72,v73,v74.seq(v71;v72;v73;v74);
v81,v82.base(v81;v82);
b;
a)

```

ecl_ind_ecland_compseq_tag_def

ABS: ecl_ind_eclor{ecl_ind_eclor_compseq_tag_def:ObjectId}

```

(v11,v12,v13.catch(v11;v12;v13);
v21,v22,v23.throw(v21;v22;v23);
v31,v32,v33.act(v31;v32;v33);
v41,v42.repeat(v41;v42);
v51,v52,v53,v54.or(v51;v52;v53;v54);
v61,v62,v63,v64.and(v61;v62;v63;v64);
v71,v72,v73,v74.seq(v71;v72;v73;v74);
v81,v82.base(v81;v82);
b;
a)

```

ecl_ind_eclor_compseq_tag_def

ABS: ecl_ind_eclrepeat{ecl_ind_eclrepeat_compseq_tag_def:ObjectId}

```

(v11,v12,v13.catch(v11;v12;v13);
v21,v22,v23.throw(v21;v22;v23);
v31,v32,v33.act(v31;v32;v33);
v41,v42.repeat(v41;v42);
v51,v52,v53,v54.or(v51;v52;v53;v54);
v61,v62,v63,v64.and(v61;v62;v63;v64);
v71,v72,v73,v74.seq(v71;v72;v73;v74);
v81,v82.base(v81;v82);
a)

```

ecl_ind_eclrepeat_compseq_tag_def

ABS: ecl_ind_eclact{ecl_ind_eclact_compseq_tag_def:ObjectId}

```

(v11,v12,v13.catch(v11;v12;v13);
v21,v22,v23.throw(v21;v22;v23);
v31,v32,v33.act(v31;v32;v33);

```

```

v41,v42.repeat(v41;v42);
v51,v52,v53,v54.or(v51;v52;v53;v54);
v61,v62,v63,v64.and(v61;v62;v63;v64);
v71,v72,v73,v74.seq(v71;v72;v73;v74);
v81,v82.base(v81;v82);
n;
a)

```

ecl_ind_eclact_compseq_tag_def

```

ABS: ecl_ind_eclthrow{ecl_ind_eclthrow_compseq_tag_def:ObjectId}
(v11,v12,v13.catch(v11;v12;v13);
v21,v22,v23.throw(v21;v22;v23);
v31,v32,v33.act(v31;v32;v33);
v41,v42.repeat(v41;v42);
v51,v52,v53,v54.or(v51;v52;v53;v54);
v61,v62,v63,v64.and(v61;v62;v63;v64);
v71,v72,v73,v74.seq(v71;v72;v73;v74);
v81,v82.base(v81;v82);
n;
a)

```

ecl_ind_eclthrow_compseq_tag_def

```

ABS: ecl_ind_eclcatch{ecl_ind_eclcatch_compseq_tag_def:ObjectId}
(v11,v12,v13.catch(v11;v12;v13);
v21,v22,v23.throw(v21;v22;v23);
v31,v32,v33.act(v31;v32;v33);
v41,v42.repeat(v41;v42);
v51,v52,v53,v54.or(v51;v52;v53;v54);
v61,v62,v63,v64.and(v61;v62;v63;v64);
v71,v72,v73,v74.seq(v71;v72;v73;v74);
v81,v82.base(v81;v82);
l;
a)

```

ecl_ind_eclcatch_compseq_tag_def

ABS: eclbase?(*x*) **eclbase?**

STM: eclbase?_wf

ABS: eclbase-k(*x*) **eclbase-k**

STM: eclbase-k_wf

ABS: eclbase-test(x) **eclbase-test**

STM: eclbase-test_wf

ABS: eclseq?(x) **eclseq?**

STM: eclseq?_wf

ABS: eclseq-a(x) **eclseq-a**

STM: eclseq-a_wf

ABS: eclseq-b(x) **eclseq-b**

STM: eclseq-b_wf

ABS: ecland?(x) **ecland?**

STM: ecland?_wf

ABS: ecland-a(x) **ecland-a**

STM: ecland-a_wf

ABS: ecland-b(x) **ecland-b**

STM: ecland-b_wf

ABS: eclor?(x) **eclor?**

STM: eclor?_wf

ABS: eclor-a(x) **eclor-a**

STM: eclor-a_wf

ABS: eclor-b(x) **eclor-b**

STM: eclor-b_wf

ABS: eclrepeat?(x) **eclrepeat?**

STM: eclrepeat?_wf

ABS: eclrepeat-a(x) **eclrepeat-a**

STM: eclrepeat-a_wf

ABS: eclact?(x) **eclact?**

STM: eclact?_wf

ABS: eclact-a(x) **eclact-a**

STM: eclact-a_wf

ABS: eclact-n(x) **eclact-n**

STM: eclact-n_wf

ABS: eclthrow?(x) **eclthrow?**

STM: eclthrow?_wf

ABS: eclthrow-a(x) **eclthrow-a**

STM: eclthrow-a_wf

ABS: eclthrow-n(x) **eclthrow-n**

STM: eclthrow-n_wf

ABS: eclcatch?(x) **eclcatch?**

STM: eclcatch?_wf

ABS: eclcatch-a(x) **eclcatch-a**

STM: eclcatch-a_wf

ABS: eclcatch-l(x) **eclcatch-l**

STM: eclcatch-l_wf