

R-consistent^{0,22}

Consistent($R; es$)

\equiv_{def} case R of

Rnone \Rightarrow True

Rplus($left, right$) \Rightarrow $rec_1, rec_2.rec_1$ & rec_2

Rinit(i, T, x, v) \Rightarrow @ i x initially $v:T$

Rframe(i, T, x, L) \Rightarrow @ i only events in L change $x : T$

Rsframe(l, tg, L) \Rightarrow only events in L send on l with tg

Reffect(i, ds, k, T, x, f) \Rightarrow @ i events of kind k change x to f State(ds) (val: T)

Rsend(ds, k, T, l, dt, g) \Rightarrow sends $k(v:T)$ on l :
tagged($g, \text{State}(ds), v$): dt)

Rpre(i, ds, a, T, P) \Rightarrow @ i Precondition for $a(v)$
 P State(ds) ($v:T$)

Raframe(i, k, L) \Rightarrow @ i : k affects only L

Rbframe(i, k, L) \Rightarrow @ i : k sends only on links in L

Rrframe(i, x, L) \Rightarrow @ i : only members of L read x

clarification:

Consistent($R; es$)

\equiv_{def} case R of

Rnone \Rightarrow True

Rplus($left, right$) \Rightarrow $rec_1, rec_2.rec_1$ & rec_2

Rinit(i, T, x, v) \Rightarrow init-p($es; i; T; x; v$)

Rframe(i, T, x, L) \Rightarrow frame-p($es; i; T; x; L$)

Rsframe(l, tg, L) \Rightarrow sframe-p($es; l; tg; L$)

Reffect(i, ds, k, T, x, f) \Rightarrow effect-p($es; i; ds; k; T; x; f$)

Rsend(ds, k, T, l, dt, g) \Rightarrow sends-p($es; ds; k; T; l; dt; g$)

Rpre(i, ds, a, T, P) \Rightarrow pre-p($es; i; ds; a; T; P$)

Raframe(i, k, L) \Rightarrow aframe-p($es; i; k; L$)

Rbframe(i, k, L) \Rightarrow bframe-p($es; i; k; L$)

Rrframe(i, x, L) \Rightarrow rframe-p($es; i; x; L$)