rock-paper-sissors[11,40]

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R-Feasible{i:l}
        (Rplus(ecl-machine{ecl:ut2}
                        (mkid{b:ut2};
                         fpf-join(id-deq;
                                  fpf-single(mkid{x1:ut2}; int_seg(0; 3));
                                  fpf-join(id-deq;
                                           fpf-single(mkid{v1:ut2}; int_seg(0; 3));
                                           fpf-join(id-deq;
                                                    fpf-single(mkid{win:ut2}; ℤ);
                                                    fpf-join(id-deq;
                                                             fpf-single(mkid{x2:ut2};
                                                                        int_seg(0; 3)
                                                                        );
                                                             fpf-single(mkid{v2:ut2};
                                                                        int_seg(0; 3))
                                                             ))));
                         fpf-join(Kind-deq;
                                  fpf-join(Kind-deq;
                                           fpf-single(rcv(mklnk{input:ut2,
                                                                b:ut2,
                                                                1:ut2
                                                                },mkid{play:ut2});
                                                      int_seg(0; 3));
                                           fpf-single(locl(mkid{choose1:ut2});
                                                      p-outcome(ternary-fps)));
                                  fpf-join(Kind-deq;
                                           fpf-single(locl(mkid{diff:ut2});
                                                      int_seg(0; 1));
                                           fpf-join(Kind-deq;
                                                    fpf-single(locl(mkid{same:ut2});
                                                               int_seg(0; 1));
                                                    fpf-single
                                                    (rcv(mklnk{b:ut2,
                                                               output:ut2,
                                                               1:ut2
                                                               },mkid{hello:ut2});
                                                     𝔹))));
                         eclact(eclcatch
                                (eclrepeat
                                 (eclseq(ecland(eclbase(rcv(mklnk{input:ut2,
                                                                  b:ut2,
                                                                  1:ut2
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                                                    },mkid{play:ut2});
                                            (λs,v. tt));
                                    eclbase(locl(mkid{choose1:ut2});
                                            (λs,v. tt)));
                            eclor(eclthrow(eclbase(locl(mkid{diff:ut2});
                                                    (λs,v. tt));
                                            1);
                                    eclbase(locl(mkid{same:ut2});
                                            (λs,v. tt)))));
                    cons(1; []));
                1);
        msg-spec1(locl(mkid{diff:ut2});
                    mklnk{b:ut2, output:ut2, 1:ut2};
                    mkid{hello:ut2};
                    1;
                    s,v.rps((s(mkid{x1:ut2})); (s(mkid{v1:ut2}))));
        update-spec1(locl(mkid{diff:ut2});
                        mkid{win:ut2};
                        1;
                        s,v.((s(mkid{win:ut2}))
                        + if rps((s(mkid{x1:ut2})); (s(mkid{v1:ut2})))
                          then 1
                          else 0
                          fi )));
Rplus(Rplus(Rpre(mkid{b:ut2};
                fpf-join(id-deq;
                        fpf-single(mkid{x1:ut2}; int_seg(0; 3));
                        fpf-single(mkid{v1:ut2}; int_seg(0; 3)));
                mkid{diff:ut2};
                unit-fps;
                (λs.¬_b(s(mkid{x1:ut2}) =_0 s(mkid{v1:ut2}))));
            Rpre(mkid{b:ut2};
                fpf-join(id-deq;
                        fpf-single(mkid{x1:ut2}; int_seg(0; 3));
                        fpf-single(mkid{v1:ut2}; int_seg(0; 3)));
                mkid{same:ut2};
                unit-fps;
                (λs.(s(mkid{x1:ut2}) =_0 s(mkid{v1:ut2}))))));
        Rplus(Rpre(mkid{b:ut2};
                fpf-empty;
                mkid{choose1:ut2};
                ternary-fps;
                (λs.tt));
            Rplus(Reffect(mkid{b:ut2};
                        fpf-single(mkid{x1:ut2}; int_seg(0; 3));
                        rcv(mklnk{input:ut2, b:ut2, 1:ut2
```

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                    },mkid{play:ut2});
            int_seg(0; 3);
            mkid{x1:ut2};
            (inl (λs,v. v) ));
Reffect(mkid{b:ut2};
            fpf-single(mkid{v1:ut2}; int_seg(0; 3));
            locl(mkid{choose1:ut2});
            p-outcome(ternary-fps);
            mkid{v1:ut2};
            (inl (λs,v. v) )))))))
```

http://www.nuprl.org/FDLcontent/p0_963683_/p120_140474_{rock-paper-sissors}.html