# Guide-through demo of interleave (interleave.erl)

1. Compile

c(interleave).

1. Shows an example - available examples : e1(), .. ,e10(), bank(), pintan(), pin(), tan()

interleave:e1().

1. Show the list of ICs of pin() and tan()

interleave:interleave(interleave:pin(), interleave:tan()).

Note: it is [] as asymmetric branching need the weak branching rule [wbra] to produce derivations.

1. Shows a list of **Weak** ICs of pin() and tan()

interleave:interleaveWeak(interleave:pin(), interleave:tan())).

Note: require(pin) is used to correctly compose pin and tan protocols.

1. Defines PT as a **Weak** ICs of pin() and tan()

PT=lists:last(interleave:interleaveWeak(interleave:pin(), interleave:tan())).

rp(PT).

Note: rp() shows the all protocol with no ellipses

1. Defines PTB as a **Weak** ICs of PT and bank() (defined in (5))

PTB = lists:last(interleave:interleaveWeak(PT, interleave:bank())).  
  
rp(PTB).

Note: there are two require(pin), one from tan() and one from bank().