**Extract regressors** :SIMUL\_arbitration\_regressor\_generator\_v8\_kdj\_ori.m

Run /modelRLsource/SIMUL\_arbitration\_regressor\_generator\_v8\_kdj\_ori.m

**In SIMUL\_arbitration\_regressor\_generator\_v8\_kdj\_ori.m**

from line 246 to 263 : collect the best parameter sets from the behavioral data.

from line 276 to 301 : collect the regressors with the parameter sets.

from line 333 to 351 : write regressor to the ../regressor\_contrasts/

**main computation** : eval\_ArbitrationRL3c.m

**In eval\_ ArbitrationRL3c.m,**

from line 60 to 87 : set the parameter set in the arbitration model

from line 719 to 776 : update fwd and sarsa (Model\_RL2.m)

in line 732, 757 : append (r, s’) in the sarsa

in line 776 : update Pmb and reliabilities

\*) note that myArbitrator.m1\_inv\_Fano is reliability of MB and myArbitrator.m2\_inv\_Fano is reliability of MF

\*) Pmb is myArbitrator.m1\_prob