



INIT client

Waiting = false

Servers=s1,...

Ack={}

Upon event op(args) and not waiting

Ack={}

For each server s

pp2pSend(reply,operation) to s

waiting = true

Upon event pp2pDeliver (reply,operation) from an

If operation is mine

Ack=ack u {Sj}

When | ack | > false

Waiting = false

INIT server

Consensus running = false

Pending = null

Upon event Op(args) and not waiting

For each s in servers

Trigger pp2psend(REQUEST,op,args,myid) to s

Waiting = true

Upon event pp2pDeliver (request,op,args,ci) from ci

Pending = pending u {<op,args,ci>}

When pending is not empty and not consensus running

Consensus running = true

Trigger BFTPropose(pending)

Upon event BFTDecide(list)

 If list not empty

 Sort(list)

 For every operation in list

 Execute operation

 Remove operation from list

 Trigger pp2pSend(reply,operation) to client

Consensus running = false