$$\text{—— MODULE } \textit{XJupiterImplCJupiter} \text{ ——}$$

EXTENDS *XJupiter*

VARIABLES *op2ss*,   a function mapping an operation (identifier)

to the 2*D* digraph produced during it is transformed at the server

c2ssX   *c2ssX*[*c*]: 2*D* digraph that has been skipped by client *c*

$RevImpl(c, cop) \triangleq c2ssX' = [c2ssX \text{ EXCEPT } ![c] = @ \oplus op2ss[cop.oid]]$
$SRevImpl(cop) \triangleq \text{LET } xform \triangleq xForm(NextEdge, Server, cop, s2ss[ClientOf(cop)])$
$\qquad\qquad\qquad \text{IN} \quad op2ss' = op2ss @@ cop.oid :> xform.xg$

$CJ \triangleq \text{INSTANCE } CJupiter \text{ WITH } ss \leftarrow [r \in Replica \mapsto$
$\qquad\qquad\qquad\qquad \text{IF } r = Server \text{ THEN } SetReduce(\oplus, Range(s2ss), EmptySS)$
$\qquad\qquad\qquad\qquad \text{ELSE} \quad c2ss[r] \oplus c2ssX[r]]$