```
MODULE Set
xForm(r, cop) \stackrel{\Delta}{=} Transform cop at replica r
     LET ctxDiff \stackrel{\triangle}{=} ds[r] \setminus cop.ctx calculate concurrent operations
            xFormHelper(coph, ctxDiffh, copssh) \triangleq
                 IF ctxDiffh = \{\} THEN [xcop \mapsto coph, xcopss \mapsto copsh]
                  ELSE LET foidh \stackrel{\triangle}{=} CHOOSE \ oid \in ctxDiffh :
                                              \forall id \in ctxDiffh \setminus \{oid\} : so(oid, id, serial[r])
                                 fcoph \stackrel{\triangle}{=} CHOOSE fcop \in copss[r]:
                                                 fcop.oid = foidh \land fcop.ctx = coph.ctx
                                 xcoph \stackrel{\triangle}{=} COT(coph, fcoph)
                               xfcoph \stackrel{\triangle}{=} COT(fcoph, coph)
                                  xFormHelper(xcoph, ctxDiffh \setminus \{fcoph.oid\},\
                           IN
                                                               copsh \cup \{xcoph, xfcoph\})
            xFormHelper(cop, ctxDiff, copss[r] \cup \{cop\})
     IN
```