MODULE *Buffer*

$xFormOpOps(op,\ ops) \triangleq$ Transform *op* against *ops*
IF $ops = \langle\rangle$ THEN $\langle op \rangle$ and return intermediate transformed operations.
ELSE $\langle op \rangle \circ xFormOpOps(OT(op,\ Head(ops)),\ Tail(ops))$

$xFormOpsOp(ops,\ op) \triangleq$ Transform *ops* against *op* and return the transformed *ops*.
LET $opX \triangleq xFormOpOps(op,\ ops)$
IN $[i \in 1\,..\,Len(ops) \mapsto OT(ops[i],\ opX[i])]$

$xForm(op,\ ops) \triangleq$
$[xop \mapsto Last(xFormOpOps(op,\ ops)),\ xops \mapsto xFormOpsOp(ops,\ op)]$

$xFormShift(op,\ ops,\ shift) \triangleq xForm(op,\ SubSeq(ops,\ shift + 1,\ Len(ops)))$