

$CJupiter$ $XJupiter$

optimization at the client side;
eliminating redundant OT s
already performed at the server

 $AbsJupiter$

$$\{o_1\{\} : \text{INS}(x, 1),$$

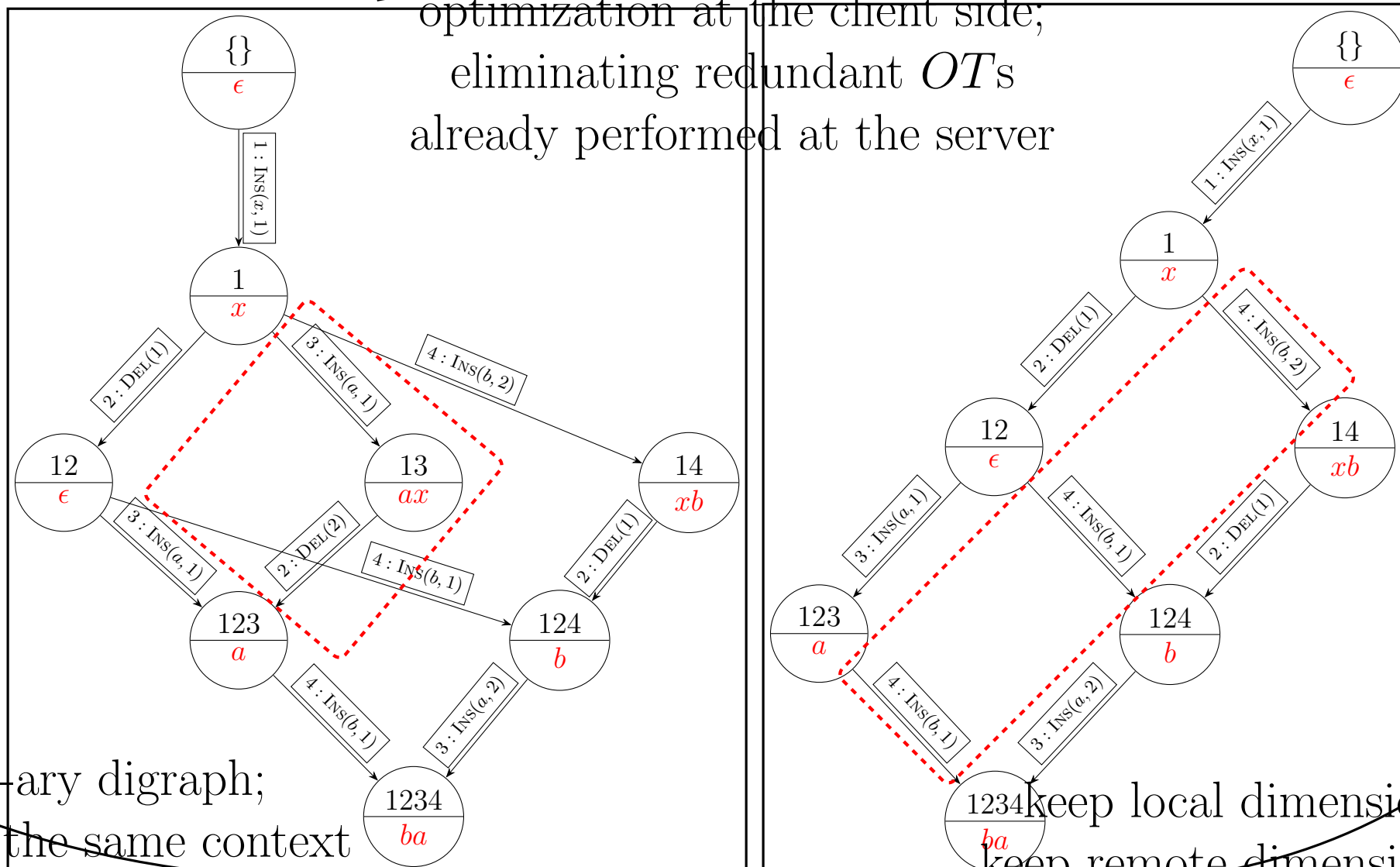
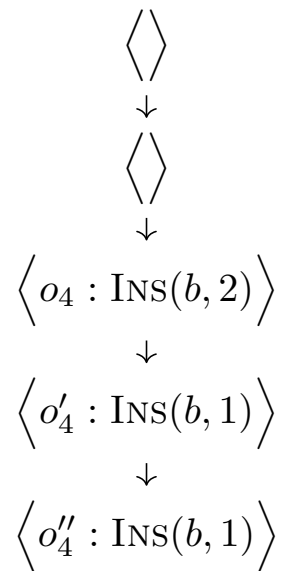
$$o_2\{o_1\} : \text{DEL}(1), o_3\{o_1\} : \text{INS}(a, 1), o_4\{o_1\} : \text{INS}(b, 2)$$

$$o_3\{o_1, o_2\} : \text{INS}(a, 1), o_4\{o_1, o_2\} : \text{INS}(b, 1)$$

$$o_2\{o_1, o_3\} : \text{DEL}(2), o_2\{o_1, o_4\} : \text{DEL}(1)$$

$$o_3\{o_1, o_2, o_4\} : \text{INS}(a, 2), o_4\{o_1, o_2, o_3\} : \text{INS}(b, 1)\}$$

organized into n -ary digraph;
grouping $Cops$ with the same context

 $AJupiter$ 

keep local dimension at clients;
keep remote dimension at the sever