

CJupiter

XJupiter

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

AbsJupiter

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

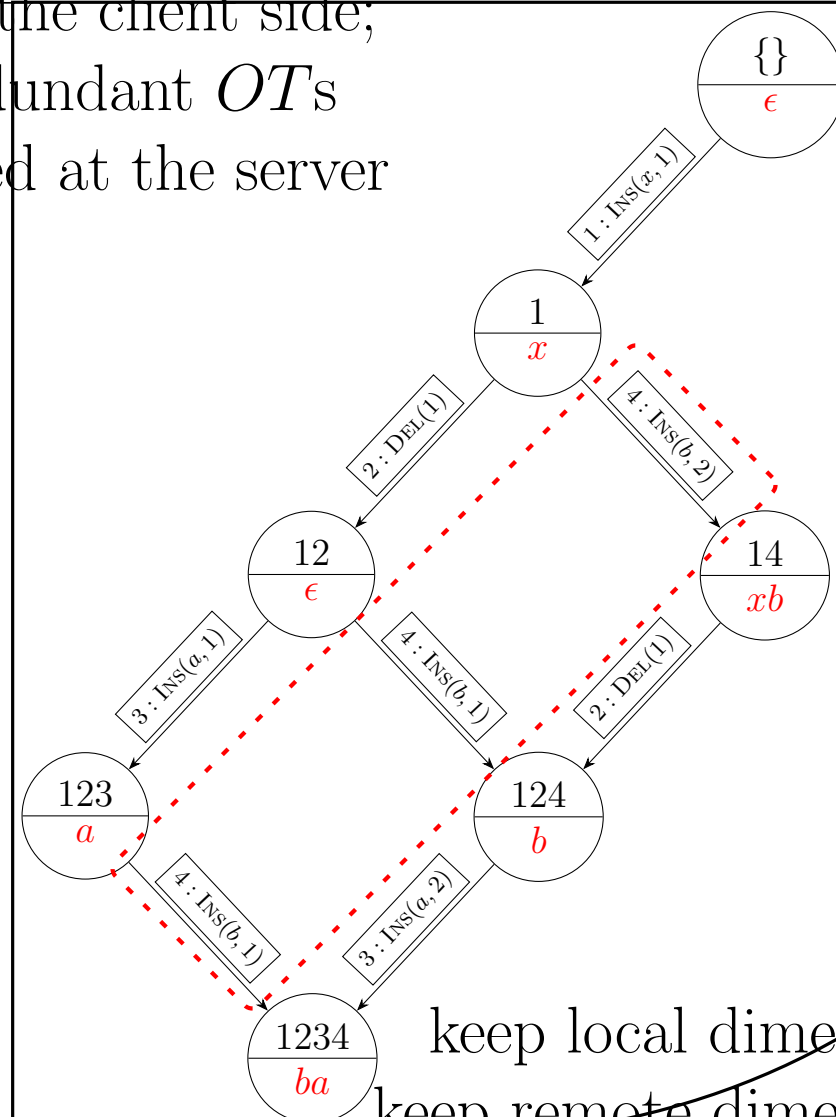
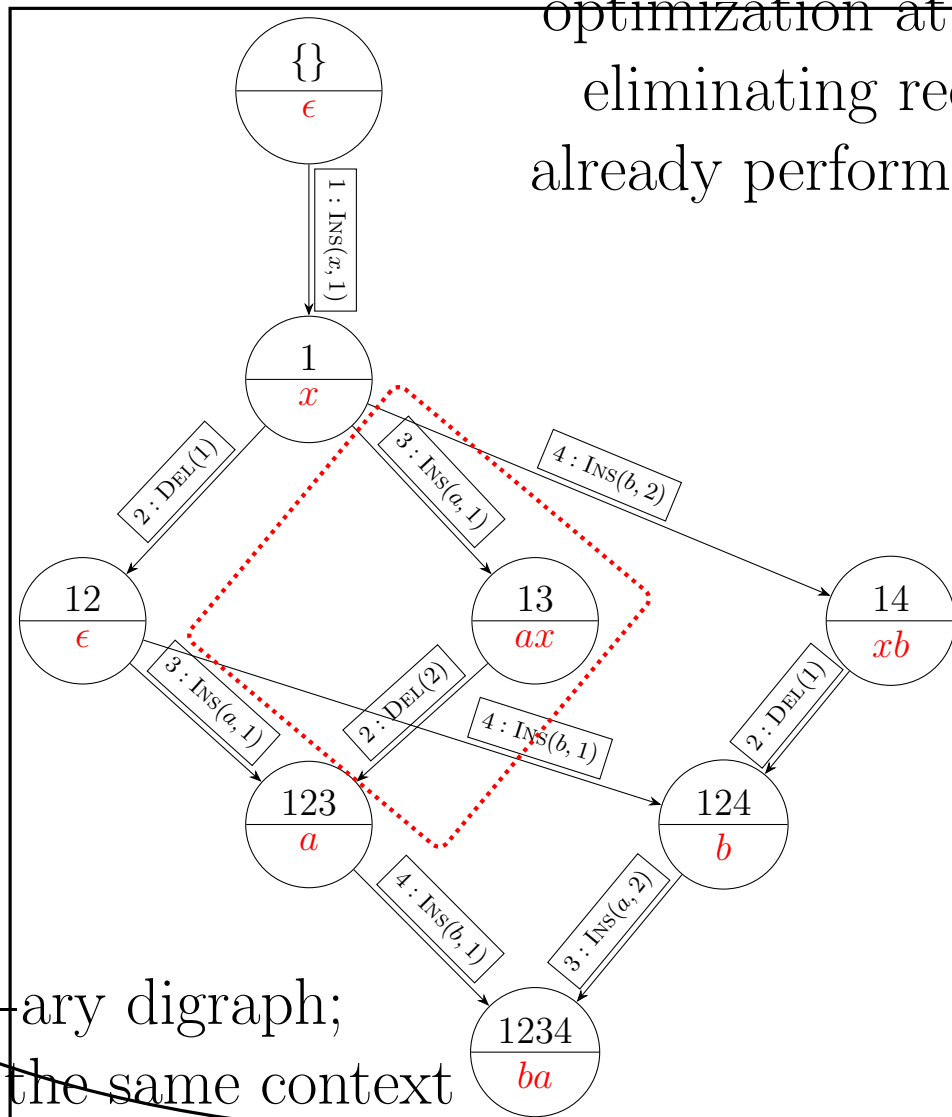
$o_2\{o_1\} : \text{DEL}(1), o_3\{o_1\} : \text{INS}(a, 1), o_4\{o_1\} : \text{INS}(b, 2)$

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

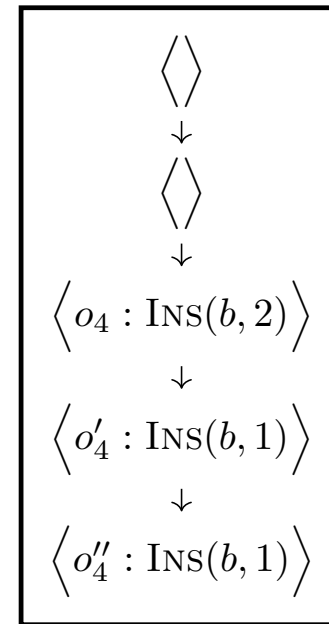
$o_2\{o_1, o_3\} : \text{DEL}(2), o_2\{o_1, o_4\} : \text{DEL}(1)$

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

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



AJupiter



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