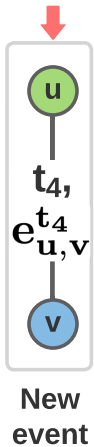


Links arrive in the order of $t_0 < t_1 < t_2 < t_3$

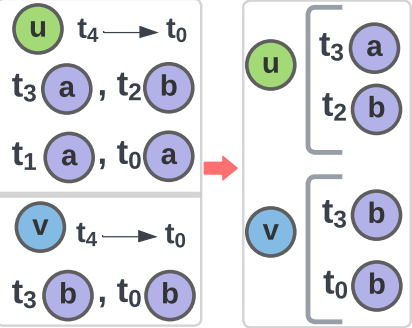


Backtrack

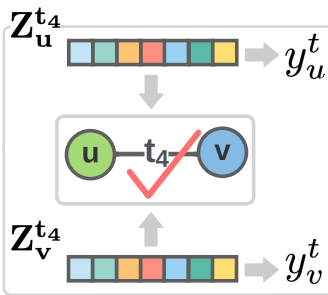
Sample

CPU Operations for *backward sampling* in traditional methods (No longer needed in NLB).

Traditional backward sampling



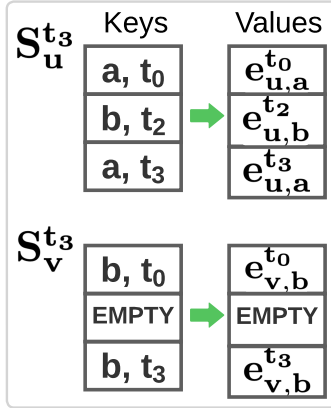
Aggregate



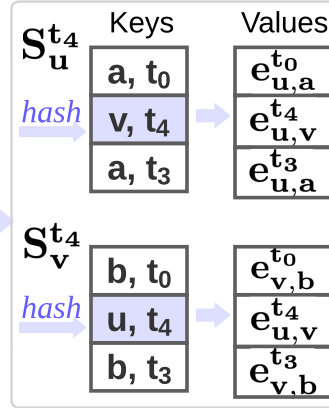
Aggregate

GPU Operations that are common to both traditional method and NLB.

Proposed forward sampling



New event



GPU Operations for NLB (Inference is done without the *sampling* latency. *Down-sampled temporal neighbors* are prepared *forward* for future use).