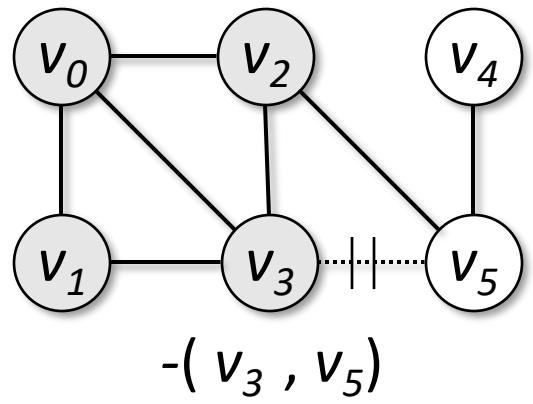
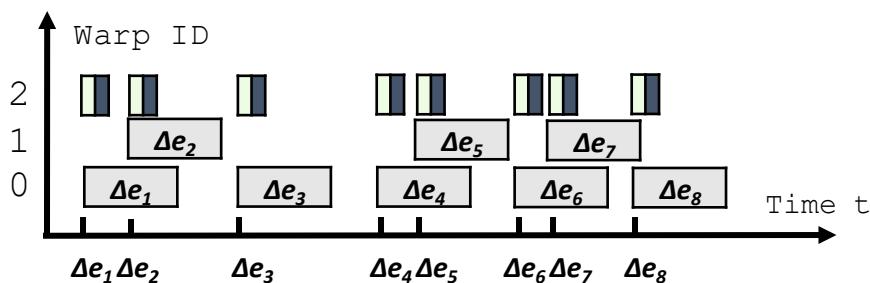
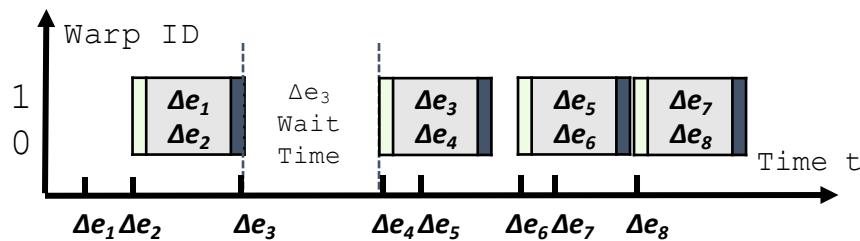
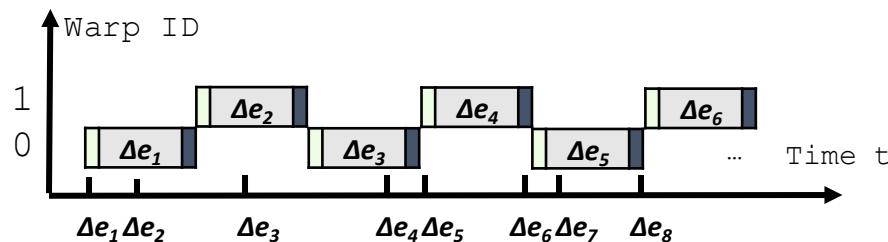


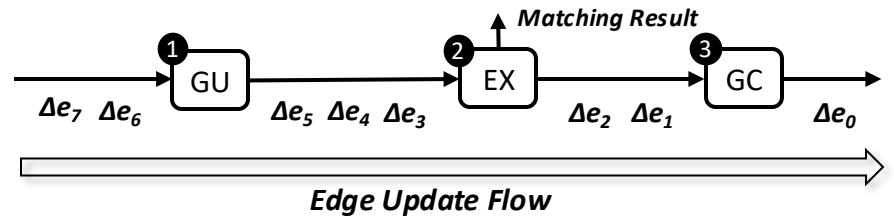
$+(v_1, v_3)$

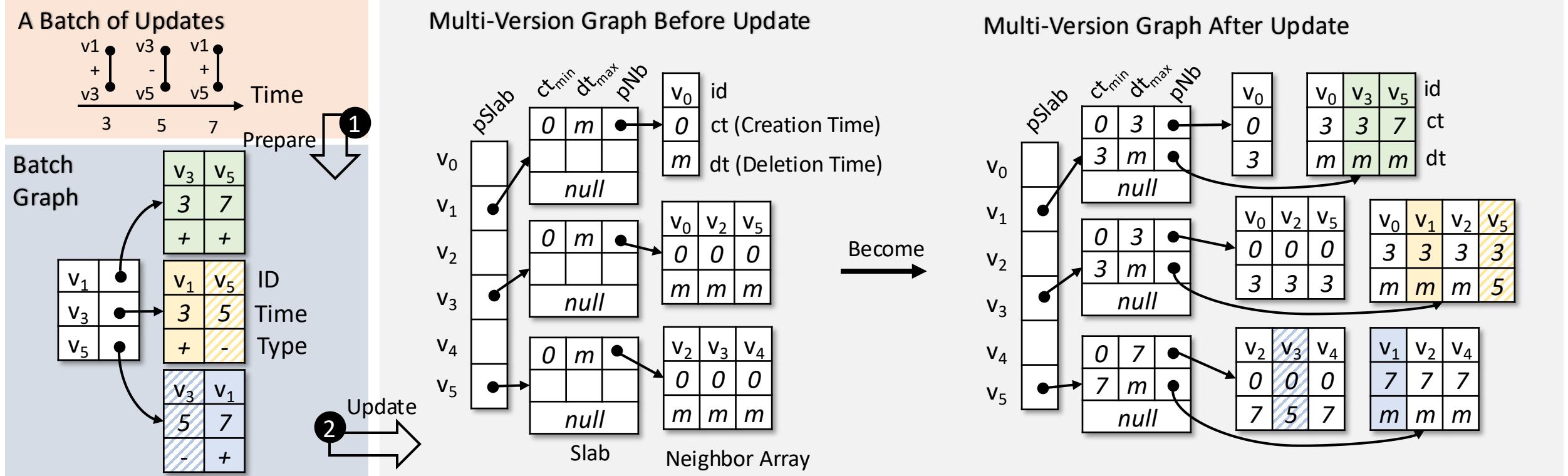


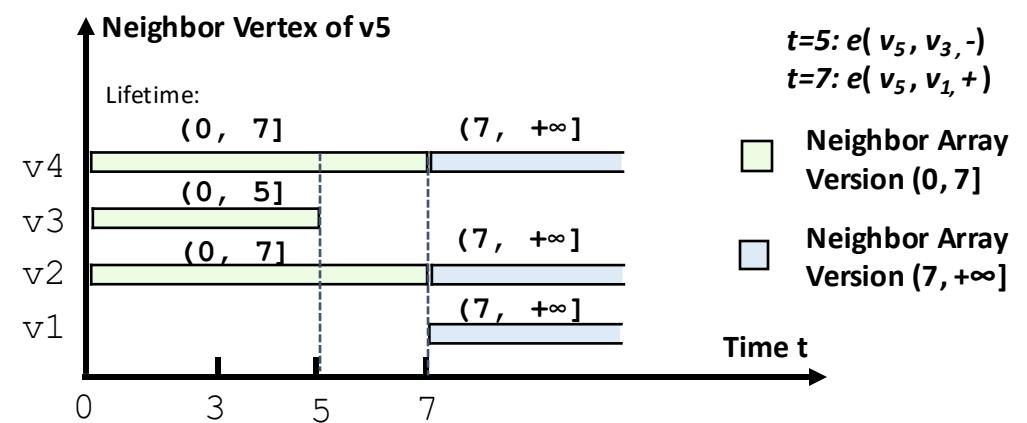
$-(v_3, v_5)$

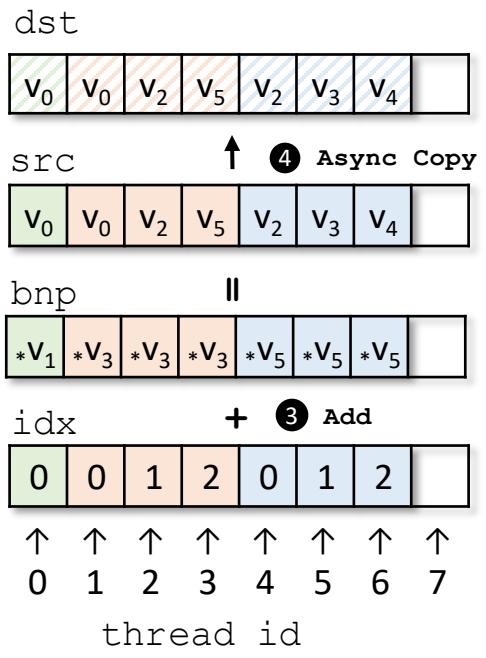
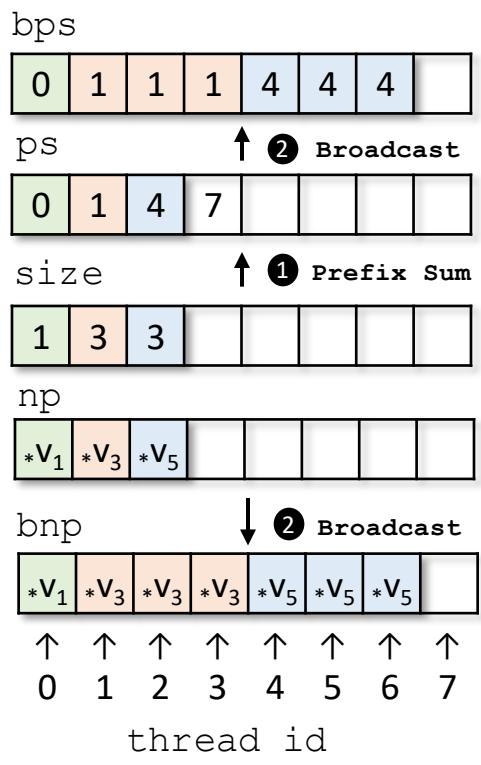
Prepare Batch Graph  
  Incremental Matching  
  Update Data Graph











$$\begin{aligned}\Delta e_0 &= (v1, v3 +), \quad T(\Delta e_0) = 3 \\ \Delta e_1 &= (v2, v5, -), \quad T(\Delta e_1) = 5 \\ \Delta e_2 &= (v1, v5, +), \quad T(\Delta e_2) = 7\end{aligned}$$

