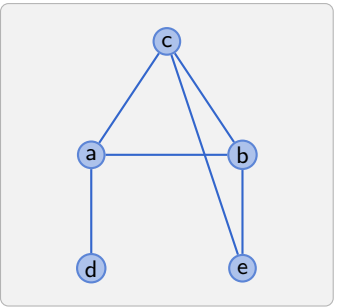
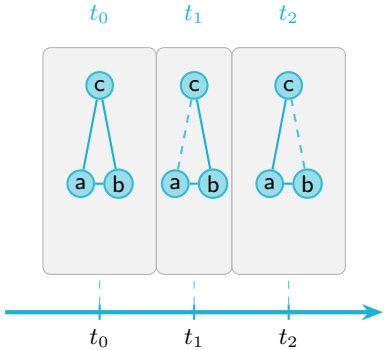
(a) Static GNN



Single graph structure
No time dimension

GCN/GAT process the entire graph structure at once

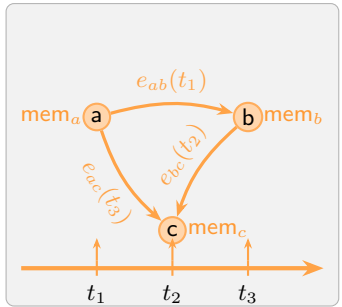
(b) DySAT snapshots



Discrete-time graph snapshots
Updates at fixed intervals

Node embeddings evolve through discrete snapshots

(c) TGN continuous events



Continuous-time graph events
Updates when events occur

Nodes update state only when events occur