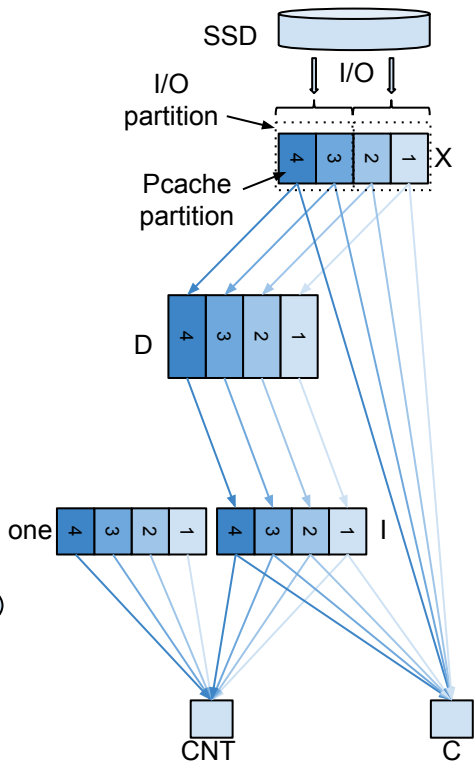


(a) DAG



(b) Partitioning in DAG materialization