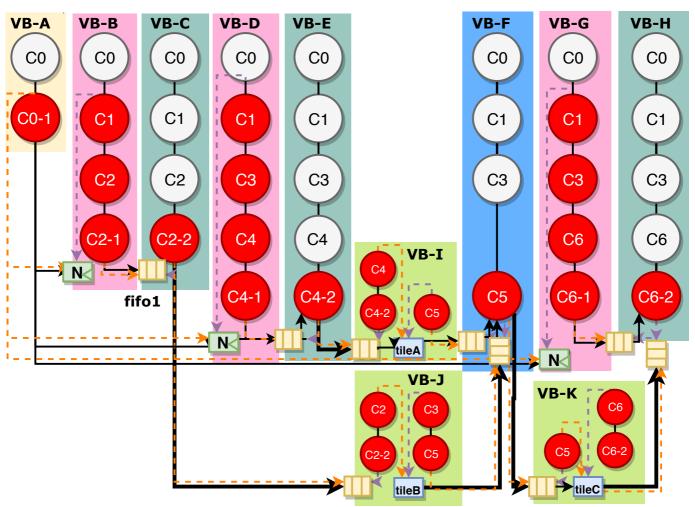
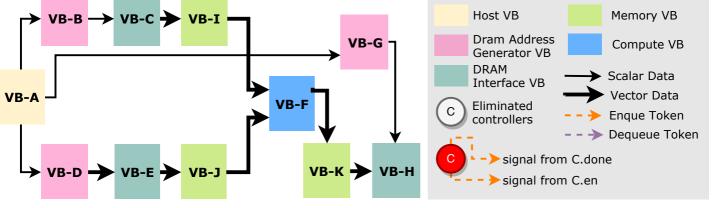


(a) Hierarchical dataflow graph representing communication with nested controller



(b) VB Allocation + Control Signal Generation



(c) VB dataflow graph