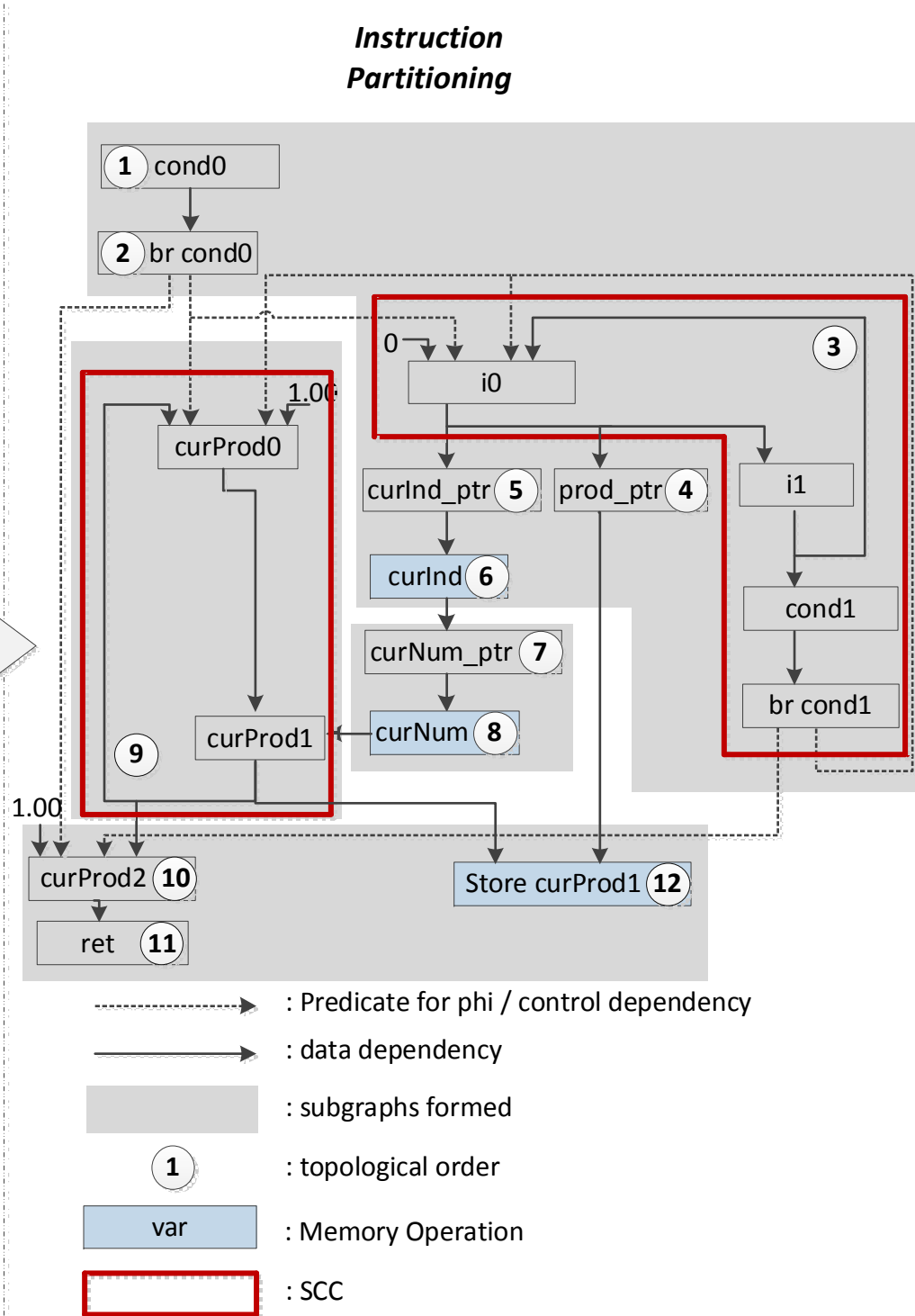


phi: select value based on the predecessor basic block of the current execution

icmp: generate 1 bit value by comparing the two operands

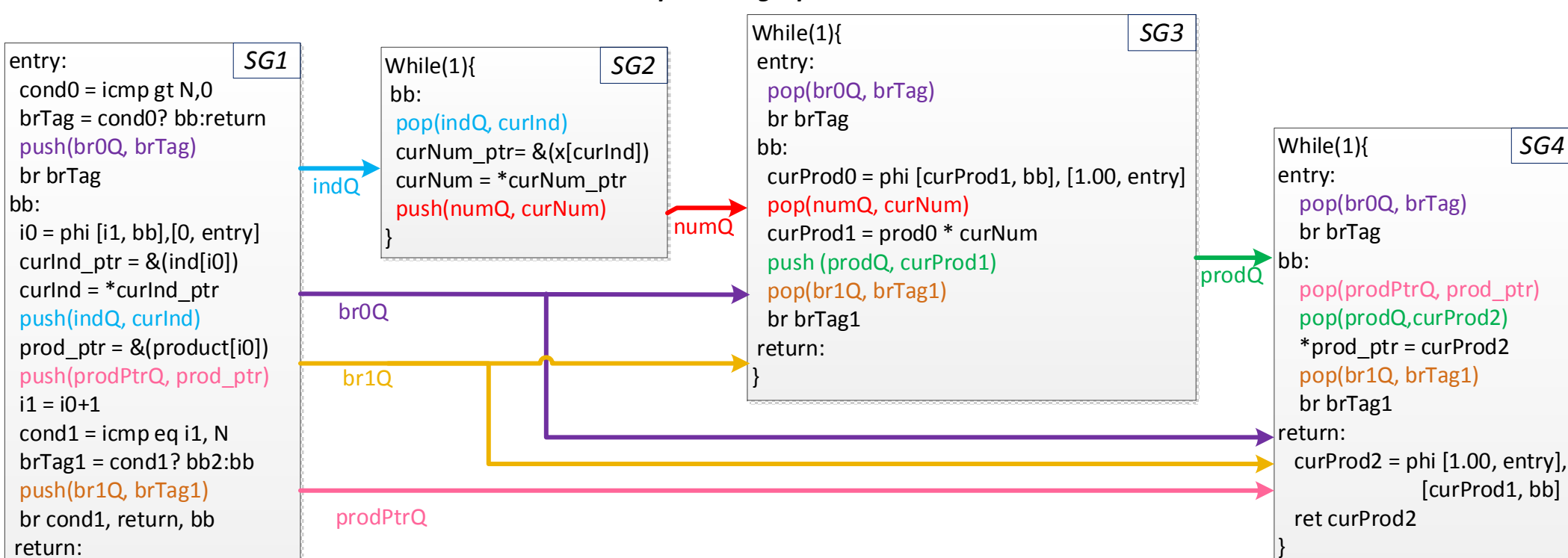
br: choose successor basic block based on the value of the first operand; act as unconditional jump if there is only one successor

(a)



(b)

Pipeline of Decoupled Subgraphs



SG1: Counter Addition and Index Fetch

SG2: Data Fetch

SG3: FP Multiply

SG4: Data Write

(c)