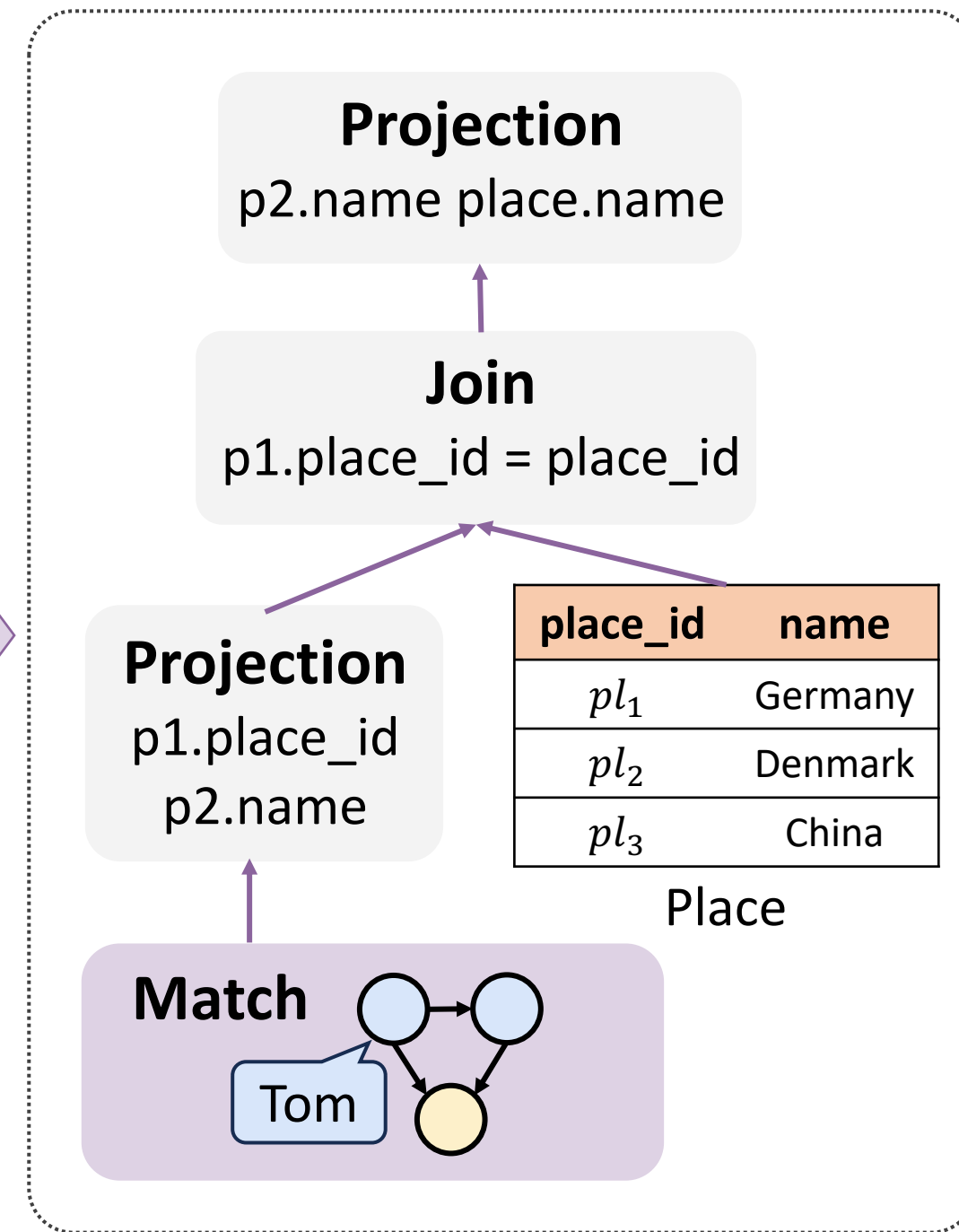
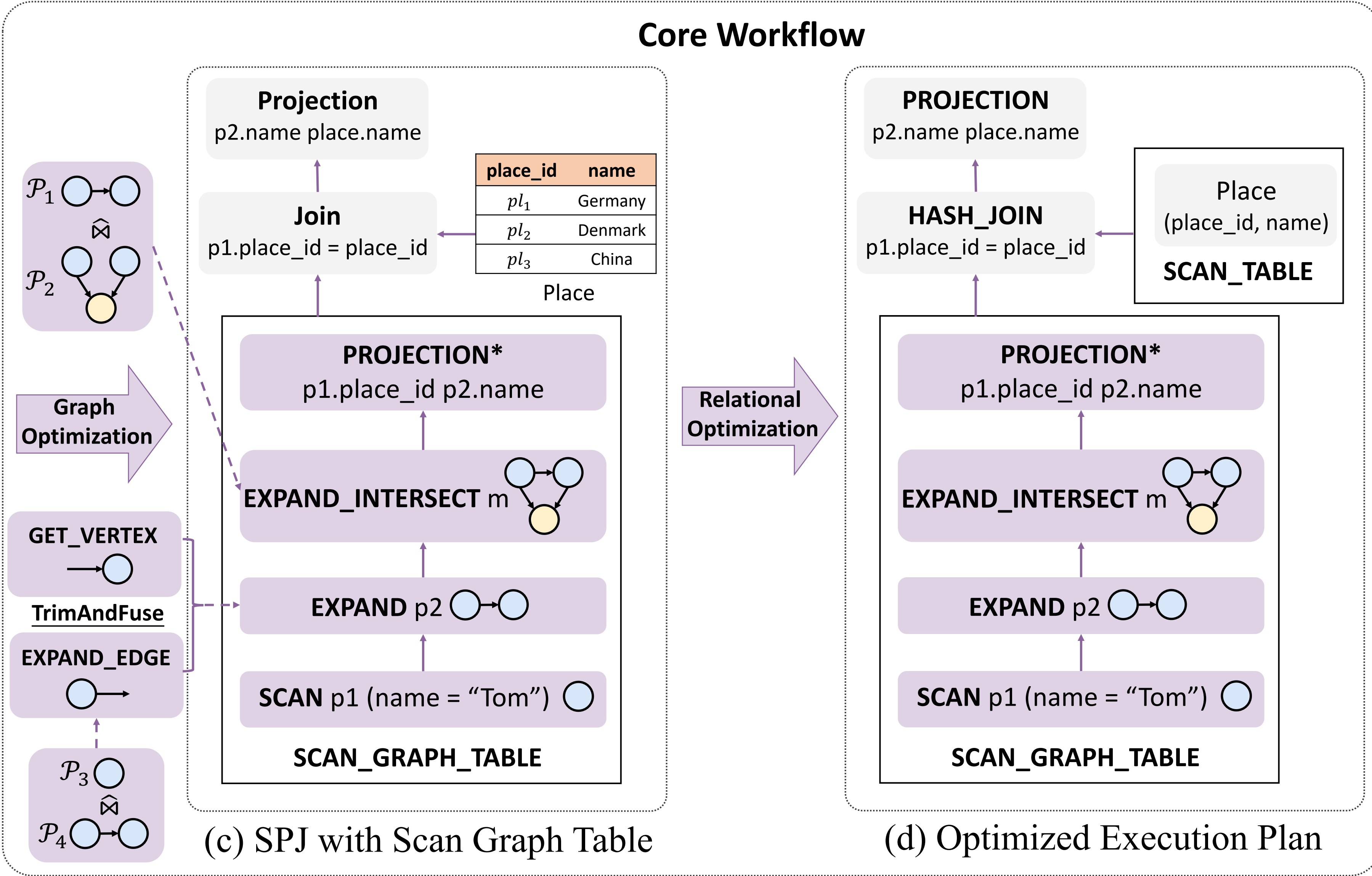


(a) SPJM

FilterIntoMatch



(b) Optimized SPJM



(c) SPJ with Scan Graph Table

(d) Optimized Execution Plan