PersonAddress scenario - First rule only Separate indexes alternative implementation Plain implementation Indexes on Nodes and Relationships — Indexes on Nodes and Relationships Indexes on Nodes only Indexes on Nodes only — Indexes on Relationships only Indexes on Relationships only Without indexes Without indexes time (ms) 10² -10² 200 400 600 800 1000 200 400 800 1000 number of rows per input relation number of rows per input relation Conflict Detection over Separate indexes Conflict Detection over Plain implementation — Indexes on Nodes and Relationships Indexes on Nodes and Relationships Indexes on Nodes only Indexes on Nodes only Indexes on Relationships only — Indexes on Relationships only Without indexes Without indexes (ms) 10² -10² 1000 200 400 600 800 1000 200 400 800 number of rows per input relation number of rows per input relation