SQL Query Analysis Report

=== SQL ANALYSIS REPORT ===

Join count: 3

Subquery count: 0

Tables: ['products', 'customers', 'order_items', 'orders']

Full query duration (s): 0.000712

Top timeline steps (sorted by measured duration):

```
 - join      | Join order_items ■ orders           | 0.002650s
 - join      | Join products ■ order_items         | 0.001328s
 - query     | Full query execution          | 0.000712s
 - join      | Join customers ■ order_items        | 0.000699s
 - join      | Join products ■ orders         | 0.000461s
 - join      | Join customers ■ orders          | 0.000226s
 - join      | Join products ■ customers        | 0.000138s
 - table_scan | Table scan: products            | 0.000010s
 - table_scan | Table scan: customers            | 0.000005s
 - table_scan | Table scan: orders            | 0.000005s
```

Bottlenecks:

```
 * join - Join order_items ■ orders : 0.002650s
 * join - Join products ■ order_items : 0.001328s
 * query - Full query execution : 0.000712s
 * join - Join customers ■ order_items : 0.000699s
 * join - Join products ■ orders : 0.000461s
```

EXPLAIN QUERY PLAN (raw):

```
  (11, 0, 216, 'SCAN oi')
  (13, 0, 45, 'SEARCH o USING INTEGER PRIMARY KEY (rowid=?)')
  (16, 0, 45, 'SEARCH p USING INTEGER PRIMARY KEY (rowid=?)')
  (22, 0, 45, 'SEARCH c USING INTEGER PRIMARY KEY (rowid=?)')
  (25, 0, 0, 'USE TEMP B-TREE FOR GROUP BY')
  (75, 0, 0, 'USE TEMP B-TREE FOR ORDER BY')
```

Execution Timeline (Sorted)

join | Join order_items ■ orders | 0.002650s

join | Join products ■ order_items | 0.001328s

query | Full query execution | 0.000712s

join | Join customers ■ order_items | 0.000699s

join | Join products ■ orders | 0.000461s

join | Join customers ■ orders | 0.000226s

join | Join products ■ customers | 0.000138s

table_scan | Table scan: products | 0.000010s

table_scan | Table scan: customers | 0.000005s

table_scan | Table scan: orders | 0.000005s

table_scan | Table scan: order_items | 0.000005s

EXPLAIN QUERY PLAN

(11, 0, 216, 'SCAN oi')
(13, 0, 45, 'SEARCH o USING INTEGER PRIMARY KEY (rowid=?)')
(16, 0, 45, 'SEARCH p USING INTEGER PRIMARY KEY (rowid=?)')
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