1>>

π\_emp\_id, first\_name, last\_name, salary, department\_id (σ\_department\_name='Engineering'(employees ⨝ departments))

1. >

π\_emp\_id, first\_name, last\_name, salary, department\_id (σ\_emp\_id=manager\_id(departments))

5>>

employees ⨝[department\_id=department\_id] departments

1. >

π\_emp\_id, first\_name, last\_name, salary, department\_id (employees - σ\_manager\_id IS NOT NULL(departments))

9>>

π\_department\_name, location(departments)

1. >

π\_emp\_id, first\_name, last\_name, salary, department\_id (σ\_department\_name='Sales' ∧ emp\_id=manager\_id(departments))

13>>

π\_emp\_id, first\_name, last\_name, salary, department\_id (employees - π\_emp\_id(employee\_projects))

1. >

π\_emp\_id, first\_name, last\_name, salary, department\_id (σ\_salary<50000 ∨ salary>70000(employees))