1. σ(department\_name = 'Engineering')(employees ⋈ departments)

2. π(first\_name, salary)(employees)

3. π(emp\_id, first\_name, last\_name, salary)(employees ⋈ departments)

4. σ(salary > 60000)(employees)

5. employees ⋈ departments

6. employees × projects

7. employees - π(emp\_id)(departments)

8. departments ⨝ projects

9. π(department\_name, location)(departments)

10. σ(budget > 100000)(projects)

11. π(emp\_id, first\_name, last\_name, salary)(σ(department\_name = 'Sales')(employees ⋈ departments))

12. σ(department\_name = 'Engineering')(employees ⋈ departments) ∪ σ(department\_name = 'Finance')(employees ⋈ departments)

13. π(emp\_id,first\_name,last\_name,salary)(employees)−π(emp\_id,first\_name,last\_name,salary)(employees⋈projects)

14. employees⋈projects

15. π (emp\_id,first\_name,last\_name,salary)(employees)−σ(salary≥50000∧salary≤70000 )(employees)