1. *Display names of representatives, details of the products they represent, and names of their supervisors*

TABLE2 **←** **π***ProductName, ProductDescription, ProductPrice, ProductRepresentative* (Paint) **∪**

**π** *ProductName, ProductDescription, ProductPrice, ProductRepresentative* (GeneralChemical)

TABLE3 **←** **π** *ProductName, ProductDescription, ProductPrice, ProductRepresentative* (FeedstuffAdditive) **∪** TABLE2

TABLE4 **←** Employee **⟕** *EmployeeID = ProductRepresentative* TABLE 3

EMP\_TABLE (ID, SupervisorName, SupervisorSurname, Grade, Superior) **←**

**π** *EmployeeID, EmployeeFName, EmployeeLName, EmployeeGrade, Supervisor* (Employee)

TABLE 5 **←** TABLE4 **⋈** *Supervisor = ID* EMP\_TABLE

FINAL\_TABLE **←** **π** *EmployeeID, EmployeeFName, EmployeeLName, ProductName, ProductDescription, ProductPrice, SupervisorName, SupervisorSurname* (TABLE5)

1. *Display details of customers together with details of their areas and names of the managers of their areas.*

TABLE1 **←** (**π** *CustomerID, CustomerFName, CustomerLName, CustomerAddress, CustomerArea* (Customer)) **⟕** *CustomerArea = AreaID* (Area)

TABLE2 (EmployeeID, AreaManagerName, AreaManagerSurname) **← π** *EmployeeID, EmployeeFName, EmployeeLName* (Employee)

TABLE3 **← π** *CustomerID, CustomerFName, CustomerLName, CustomerAddress, CustomerArea, AreaName, AreaDepot, AreaManager* (TABLE1) **⟕** *AreaManager = EmployeeID*(TABLE2)

TABLE4 **← π** *CustomerID, CustomerFName, CustomerLName, CustomerAddress, CustomerArea, AreaName, AreaDepot, AreaManagerName, AreaManagerSurname* (TABLE3)