```
1)
AGI < ---- \sigma_{PName = "AGI"}(PROJECT)
22_Hours <---- \sigma_{Hours > 22}(WORKS_ON)
Employees_Working_AGI <---- 22_Hours ⋈ PNO= PNUMBER AGI
Dept3 <---- \sigma_{DNO=3} (EMPLOYEE)
DEPT Project <---- Dept3 ⋈ <sub>SSN= ESSN</sub> Employees Working AGI
RESULT <---- π Fname, Lname(DEPT Project)
2)
Marketing<---- σ DNAME= "Marketting" (DEPARTMENT)
Employees_In_Marketing <---- Employee ⋈ DNO= DNUMBER Marketting
FemaleDependent <---- \sigma_{SEX = "Female"} (Dependent)
RESULT <---- \pi Dependent Name (Female Dependent \bowtie ESSN = SSN Employees_In_Marketting)
3)
Annie Smith<---- <sub>\sigma FName= "Annie" and LName = "Smith"</sub> (Employee)
RESULT <---- \pi Fname, Lname(Employee \bowtie SUPERSSN = SSN Annie_Smith)
4)
Hours \leftarrow \sigma_{\text{Hours}=0} (Works_On)
Employees_Working_0 <---- Employees ⋈ <sub>SSN= ESSN</sub> Hours
RESULT <---- π Fname, Lname(Employees Working 0)
```