

1.

```
SANDIEGO_DEPARTMENT ← σDLOCATIONS="San Diego"(DEPT_LOCATIONS ⋈ DNUMBER=.DNUMBER DEPARTMENT)  
RESULT ← πDNAME,DNUMBER(SANDIEGO_DEPARTMENT)
```

2.

```
EMPLOYEE_DEPARMENT ← EMPLOYEE ⋈ SSN=ESSN AND FNAME=DEPENDENT_NAME DEPENDENT  
RESULT ← πLNAME,FNAME(EMPLOYEE_DEPARTMENT)
```

3.

```
GET_EMPLOYEE ← EMPLOYEE ⋈ SSN=ESSN WORKS_ON ⋈ PNO=PNUMBER PROJECT  
EMPLOYEE_SAC ← σDNO=5 AND PNAME="SacCT" AND HOURS > 11(GET_EMPLOYEE))  
RESULT ← πLNAME,FNAME(EMPLOYEE_SAC)
```

4.

```
ANNA_SSN ← πSSN(σLNAME="Hunter" AND FNAME="Anna"(EMPLOYEE))  
RESULT ← πLNAME,FNAME(EMPLOYEE ⋈ SUPERSSN=SSN ANNA_SSN))
```