

1) SEATTLE\_LOC  $\leftarrow \sigma$  dlocation = 'Seattle' (DEPT\_LOCATIONS)

SEATTLE\_DEP  $\leftarrow$  SEATTLE\_LOC  $\bowtie$  (dnumber = dnumber) DEPARTMENT

RESULT  $\leftarrow \pi$  dname, dnumber (SEATTLE\_DEP)

2) EMP\_DEPS  $\leftarrow$  EMPLOYEE  $\bowtie$  (ssn = essn and fname = dependent\_name) DEPENDENT

RESULT  $\leftarrow \pi$  lname, fname (EMP\_DEPS)

3) EMPS\_WORK  $\leftarrow$  EMPLOYEE  $\bowtie$  (ssn = essn) WORKS\_ON

EMPS\_WORK\_PROJ  $\leftarrow$  EMPS\_WORK  $\bowtie$  (pno = pnumber) PROJECT

EMPS\_FOUND  $\leftarrow \sigma$  dno = 8 and hours > 10 and pname = 'RD' (EMPS\_WORK\_PROJ)

RESULT  $\leftarrow \pi$  lname, fname (EMPS\_FOUND)

4) HUBER\_SSN  $\leftarrow \pi$  ssn (  $\sigma$  fname = 'Mary' and lname = 'Huber' (EMPLOYEE))

HUBER\_EMPS  $\leftarrow$  EMPLOYEE  $\bowtie$  (superssn = ssn) HUBER\_SSN

RESULT  $\leftarrow \pi$  lname, fname (HUBER\_EMPS)