Query: List names of dependents of female emp.

Toppendent name (SEN = ESSN 1 (EMP X DEPENDENT))

emp. Sex = 1F1

TIdep-name (SSN=ESSN (TISSN (Sex='F' (EMP)) XDEP)

Query Lest name, SSN of emp who are supervisors.

SSN	Name	Super
1234	Mary	5678
5678	Ann	8868
9111	Joe	5678
8889	Jack	NULL

Supervior	essn	
Ann	5678	
Jack	888	

EMP X (SSSN) (Tsuper (EMP))

SSN	Name	Super	SSSN
1234	Mary	5678	5678
1234	Mary	5678	8888
5678	Ann	8888	5678
5678	Ann	8833	8888
9111	Joe	5678	5678
9111	Joe	5678	6668

dep. doumber = dept-loc · doumber

(Dept X Dept-locations))

Query: List Frame of employee along with Frame of supervisor.

EMP = E

EMP = S

EXS

1234 Mary 5678 1234 Mary 5678 5678 Ann 8888 9111 Joe 5678 NULL 5678 Ann 8888 1234 Mary 5678 5678 Ann 8888 9111 Joe 5678 9111 Joe 5678 NULL	N2S	Nane	Super	SSN	None	Super
5678 Ann 8888 Jack NULL 5678 Ann 8888 5678 Ann 8888 9111 Joe 5678	1234	Word	5678	'	()	
5678 Ann 8868 1234 May 5678 5678 Ann 8888 9111 Joe 5678				•		
	5678	Ann	8888	1 ²³ 4 56 78 9111	may Ann Joe	5678 8888 5678

TE.name, s. Name (E.super = S. S.S.N
$$\left(\begin{array}{c} \mathcal{E}_{\text{EMP}} \\ \mathcal{E}_{\text{S}} \end{array} \right) \times \left(\begin{array}{c} \mathcal{E}_{\text{MP}} \\ \mathcal{E}_{\text{S}} \end{array} \right)$$

Ch8: 8-3, 8-4-3, 8-4-4 (new) che 6.3, 6.4.3, 6.4.4 (old) Join N = X followed by Query: List Prame, Drames Thane, Drame (Dept X Project)) Thome, Drane (Dept of Dnumber=Dnum Project) Wdranker = drum

In textbook: Natural Join Equipoin X X Theta join > Natural Join X * Query: List Drame, Drumber, Dlocation Tonano, Doumber (Department) & Dept-Loc Toname, Drumber, Dissation (Dept M Dept-Loc)

Dept. dnumber = Dept Loc . dnumber

(Dept * Dopt-Loc)