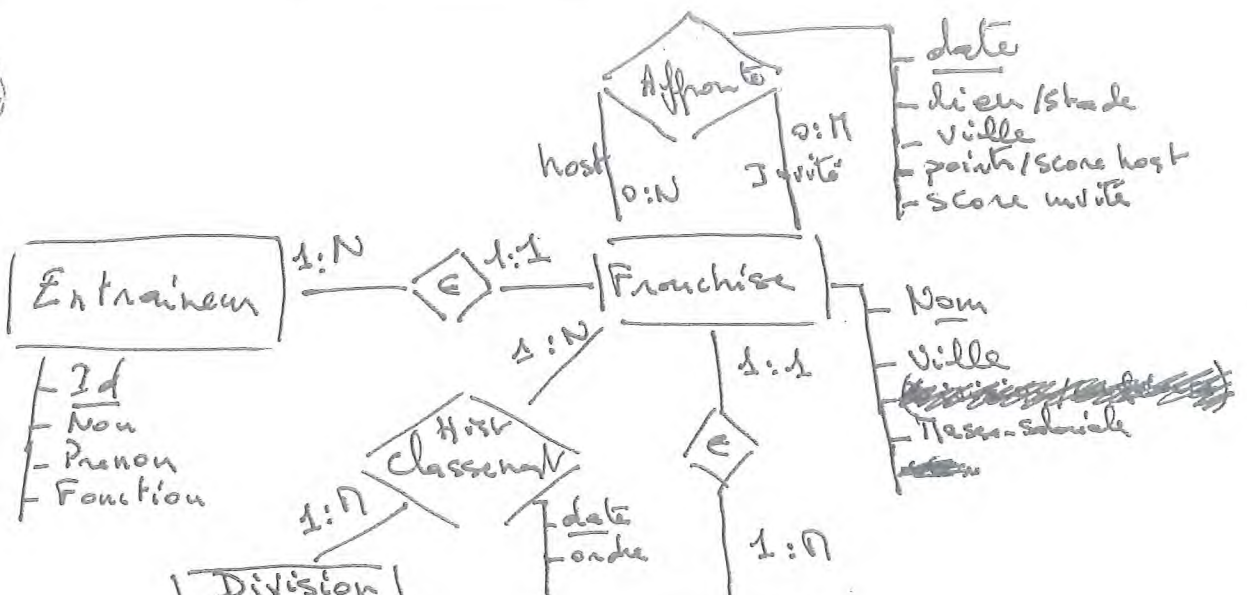
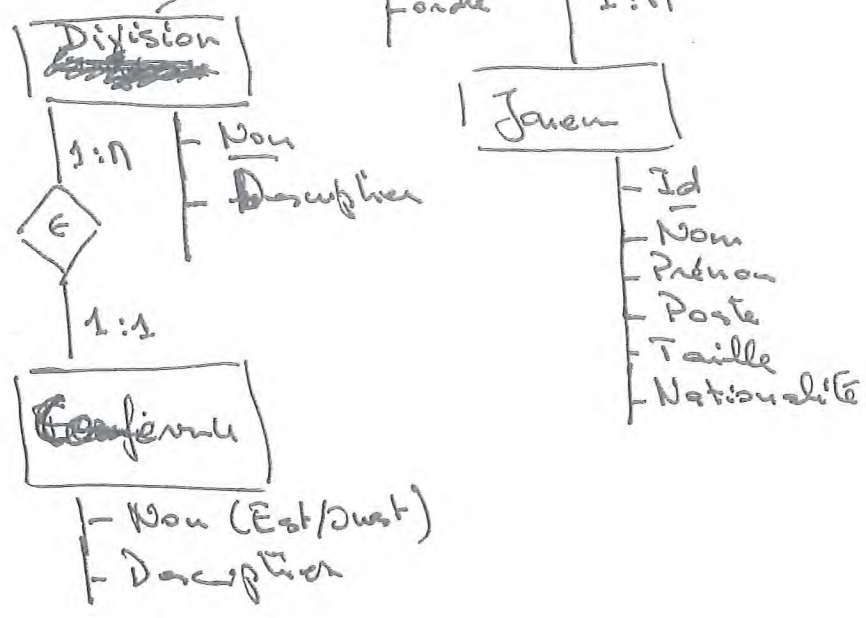




13



22



3. SQL

a/ Select Nom-Joueur, Poste-Joueur
from Joueur

where Nationalite = 'FR'

and Non-Franchise = 'Spurs de San Antonio'

b/ Select J2.Nom-Joueur, J2.Poste-Joueur
from Joueur J1, Joueur J2

where J1.Non-Franchise = J2.Non-Franchise

and J1.Nom-Joueur = 'Parker'

and J1.Prénom = 'Tony'

and J2.Nom-Joueur \neq J1.Id-Joueur

c/ Select Division, Sum(Masse-Salariale)
from Franchise
group by Division

d/ Select * from Franchise

where Masse-Salariale = (Select Max(Masse-Salariale)
from Franchise)

3.b

$$\prod \left(\begin{array}{c} \Delta \\ J_2, \text{Non-Jon} \quad J_1, \text{Id-Jon} \\ J_1, \text{Non-Jon} \quad J_2, \text{Id-Jon} \end{array} \right) \left(\begin{array}{c} \Delta \\ \text{Non-Franchise} \quad J_1 \\ \text{and } J_2 \\ \text{Non-Franchise} \end{array} \right) \left(\begin{array}{c} \Delta \\ J_1 \\ J_2 \end{array} \right)$$

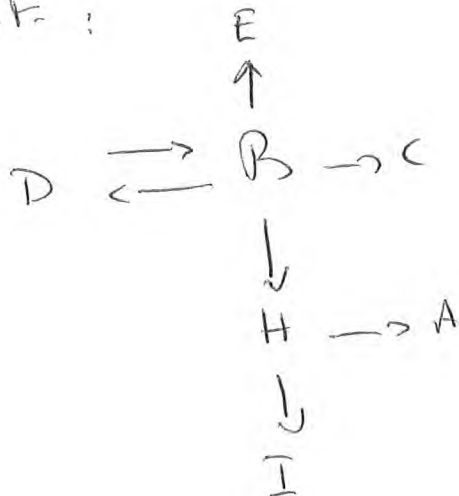
3.d

$$\prod (\text{Franchise}) - \prod \left(\begin{array}{c} \Delta \\ F_1, \text{Non-Franchise} \quad F_2 \\ F_1, \text{Mass-Salaries} \end{array} \right) \left(\begin{array}{c} \Delta \\ F_1 \\ F_2 \end{array} \right)$$

II /

CNF :

1/



2/ $B \rightarrow D$

3/ 2NF

4/ $R_1 (B, D, E, C, H)$

$R_2 (H, A, I)$