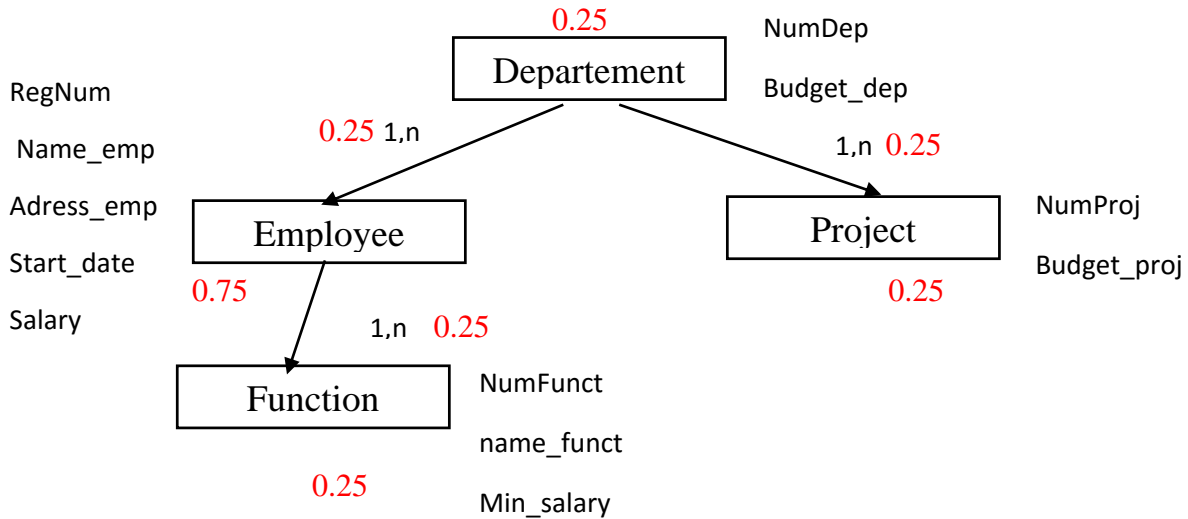
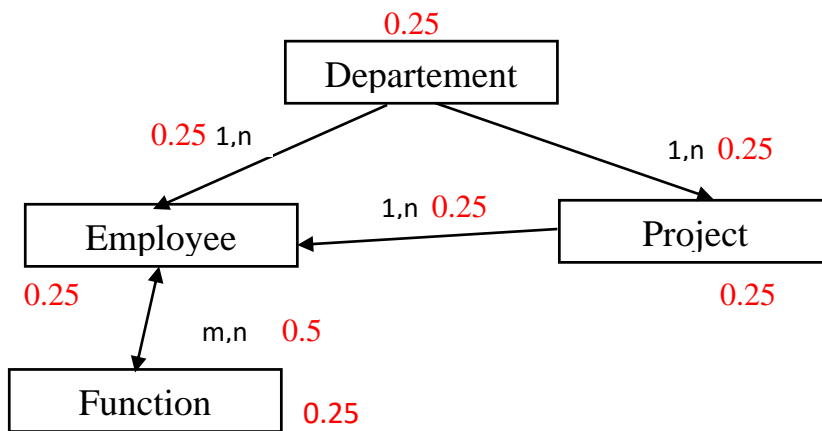


## Solution- Midterm –Tuto Part ( 10 pts)

### 1- Hiearchical model ( 2.25)

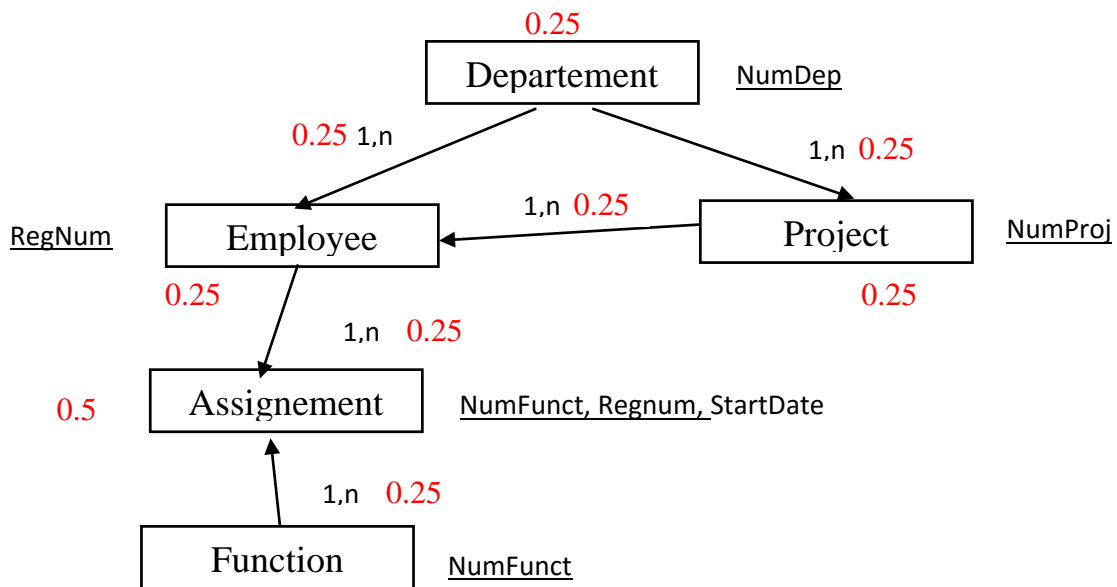


### 2- Network Model (2.25)



But what about Start\_date ??

### 3- Codasyl Model (2.75)



### 4- Relational Schema (2.75)

Departement ( numDep, budget\_dep ) 0.5

Projet ( numProj, budget\_proj, numDep\* ) 0.5

Employee ( regNum, name\_emp, Adress\_emp, numProj\*, NumDep\* ) 0.75

Function ( numFunct, name\_funct, Min\_salary ) 0.5

Assignement ( numFunct\*, regnum\*, StartDate, Salary ) 0.5