

① Horizontal fragmentation:-

SUPPLIER (SNUM, NAME, CITY)

SL
Selection

SUPPLIER₁ = SL CITY = "MUM" SUPPLIER

SUPPLIER₂ = SL CITY = "KOL" SUPPLIER

UNION

SUPPLIER = SUPPLIER₁ UN SUPPLIER₂

QUALIFICATION

q_1 : CITY = "MUM"

q_2 : CITY = "KOL"

② DERIVED Horizontal fragmentation.
(more than one relation).

SUPPLY (SNUM, PNUM, DEPTNUM, QTY)

SUPPLIER (SNUM, NAME, CITY)

SJ
Semi Join

SUPPLY₁ = SUPPLY SJ_{SNUM} = SNUM SUPPLIER₁

SUPPLY₂ = SUPPLY SJ_{SNUM} = SNUM SUPPLIER₂

~~q_1 : SUPPLY.SNUM = SUPPLIER~~

q_1 : SUPPLY.SNUM = SUPPLIER.SNUM AND SUPPLIER.CITY = "MUM"

q_2 : SUPPLY.SNUM = SUPPLIER.SNUM AND SUPPLIER.CITY = "KOL"