1-

(((((((((Platos where Descripcion = ‘café’) {Nroplato}) rename nroplato as idplato) join ItemsFactura) {Nrofac}) join Factura) {idmesa}) rename idmesa as nromesa) join Mesas){}

1) Restriccion 2) Proyeccion

|  |  |  |
| --- | --- | --- |
| Nroplato | Descripcion | Precio |
| 101 | Cafe | 6.50 |

|  |
| --- |
| Nroplato |
| 101 |

3) Renombrar 4) Reunir

|  |
| --- |
| Idplato |
| 101 |

|  |  |  |  |
| --- | --- | --- | --- |
| Nrofac | Idplato | Cant | Precio |
| 3 | 101 | 2 | 6.50 |
| 5 | 101 | 2 | 6.50 |
| 7 | 101 | 3 | 6.50 |
| 8 | 101 | 8 | 6.50 |

|  |
| --- |
| Nrofac |
| 3 |
| 5 |
| 7 |
| 8 |

5) Proyeccion 6) Reunir

|  |  |  |  |
| --- | --- | --- | --- |
| Nrofac | Idmesa | idMozo | nroPer |
| 3 | 4 | 3 | 2 |
| 5 | 7 | 1 | 1 |
| 7 | 9 | 5 | 4 |
| 8 | 2 | 3 | 3 |

7) Proyeccion 8) Renombrar

|  |
| --- |
| Idmesa |
| 4 |
| 7 |
| 9 |
| 2 |

|  |
| --- |
| nromesa |
| 4 |
| 7 |
| 9 |
| 2 |

|  |  |
| --- | --- |
| Idmesa | Descripcion |
| 4 | Salon |
| 7 | Rinconera |
| 9 | Salon |
| 2 | Reservado |

9) Reunir 10) Proyeccion

|  |  |
| --- | --- |
| Idmesa | Descripcion |
| 4 | Salon |
| 7 | Rinconera |
| 9 | Salon |
| 2 | Reservado |

3-

(((((((((Platos where Descripcion = ‘medialunas’) {Nroplato}) rename nroplato as idplato) join ItemsFactura) {Nrofac}) join factura) (((Mesas where description = ’rinconera’) {Nromesa}) rename nromesa as idmesa) join factura) {idmesa}) rename idmozo as nromozo) join Mozos) {}

1) Restriccion

|  |  |  |
| --- | --- | --- |
| Nroplato | Descripcion | Precio |
| 105 | Medialunas | 2.50 |

2) Proyeccion

|  |
| --- |
| Nroplato |
| 105 |

3) Renombrar

|  |
| --- |
| Idplato |
| 105 |

4) Reunir

|  |  |  |  |
| --- | --- | --- | --- |
| Nrofac | Idplato | Cant | Precio |
| 1 | 105 | 6 | 2.50 |
| 3 | 105 | 2 | 2.50 |
| 2 | 105 | 3 | 2.50 |
| 7 | 105 | 8 | 2.50 |
| 8 | 105 | 9 | 2.50 |

5) Proyeccion 6) Reunir

|  |
| --- |
| Nrofac |
| 1 |
| 3 |
| 2 |
| 7 |
| 8 |

|  |  |  |  |
| --- | --- | --- | --- |
| Nrofac | Idmesa | Idmozo | nroper |
| 1 | 1 | 3 | 5 |
| 3 | 4 | 3 | 2 |
| 2 | 3 | 4 | 1 |
| 7 | 9 | 5 | 4 |
| 8 | 2 | 3 | 3 |

7) Restriccion 8) Proyeccion

|  |  |
| --- | --- |
| Nromesa | Descripcion |
| 1 | Rinconera |

|  |
| --- |
| Nromesa |
| 1 |

9) Renombrar 10) Reunir

|  |
| --- |
| idmesa |
| 1 |

|  |  |  |  |
| --- | --- | --- | --- |
| Nrofac | Idmesa | Idmozo | nroper |
| 1 | 1 | 3 | 5 |

11) Proyeccion 12) Renombrar

|  |
| --- |
| Idmozo |
| 3 |

|  |
| --- |
| nromozo |
| 3 |

13) Reunir 14) Proyeccion

|  |  |
| --- | --- |
| nromozo | Descripcion |
| 3 | Marcela |

|  |  |
| --- | --- |
| nromozo | Descripcion |
| 3 | Marcela |

4-

(((((Platos where Descripcion = ‘medialuna’) {Nroplato}) rename Nroplato as Idplato) join ItemsFactura) extend add sum (cant) as total){}

1) Restriccion 2) Proyeccion

|  |  |  |
| --- | --- | --- |
| Nroplato | Descripcion | Precio |
| 105 | Medialunas | 2.50 |

|  |
| --- |
| Nroplato |
| 105 |

3) Renombrar 4) Reunir

|  |
| --- |
| Idplato |
| 105 |

|  |  |  |  |
| --- | --- | --- | --- |
| Nrofac | Idplato | Cant | Precio |
| 1 | 105 | 6 | 2.50 |
| 3 | 105 | 2 | 2.50 |
| 2 | 105 | 3 | 2.50 |
| 7 | 105 | 8 | 2.50 |
| 8 | 105 | 9 | 2.50 |

5) Extender 6) Proyeccion

|  |
| --- |
| Total |
| 28 |

|  |
| --- |
| Total |
| 28 |

7-

((((((Mesas where Descripcion = ‘Salon’) {Nromesa}) rename nromesa as idmesa) join Factura){nrofac})join ItemsFactura){nrofac, idplato} extend add count (((nrofac, idplato minus( Platos where descripción = ‘torta’){Nroplato})rename nroplato as idplato) as totalfac)

|  |  |
| --- | --- |
| Nromesa | Descripcion |
| 4 | Salon |
| 5 | Salon |
| 6 | Salon |
| 8 | Salon |
| 9 | Salon |

1) Restriccion 2) Proyeccion

|  |
| --- |
| Nromesa |
| 4 |
| 5 |
| 6 |
| 8 |
| 9 |

3) Renombrar 4) Reunir

|  |
| --- |
| idmesa |
| 4 |
| 5 |
| 6 |
| 8 |
| 9 |

|  |  |  |  |
| --- | --- | --- | --- |
| Nrofac | Idmesa | Idmozo | nroper |
| 3 | 4 | 3 | 2 |
| 6 | 6 | 4 | 4 |
| 7 | 9 | 5 | 4 |

5) Proyeccion 6) Reunir

|  |
| --- |
| Nrofac |
| 3 |
| 6 |
| 7 |

|  |  |  |  |
| --- | --- | --- | --- |
| Nrofac | idplato | cant | precio |
| 3 | 101 | 2 | 6.50 |
| 3 | 108 | 1 | 9.00 |
| 6 | 102 | 4 | 7.00 |
| 7 | 101 | 2 | 6.50 |
| 7 | 105 | 8 | 2.50 |
| 7 | 104 | 2 | 6.00 |
| 7 | 108 | 2 | 9.00 |

|  |  |
| --- | --- |
| Nrofac | idplato |
| 3 | 101 |
| 3 | 108 |
| 6 | 102 |
| 7 | 101 |
| 7 | 105 |
| 7 | 104 |
| 7 | 108 |

7) Proyeccion

8) Restriccion

|  |  |  |
| --- | --- | --- |
| Nroplato | Descripcion | Precio |
| 108 | Torta | 9.00 |

|  |
| --- |
| Nroplato |
| 108 |

9) Proyeccion 10) Renombrar

|  |
| --- |
| idplato |
| 108 |

11) Diferencia 12) Extender

|  |  |
| --- | --- |
| Nrofac | idplato |
| 3 | 101 |
| 6 | 102 |
| 7 | 101 |
| 7 | 105 |
| 7 | 104 |

|  |
| --- |
| totalfac |
| 5 |

13) Proyeccion

|  |
| --- |
| totalfac |
| 5 |
|  |

26 -

((Mesas RESTRICCION descripción <> ‘Salon’) PROYECTAR {nroMesa} RENOMBRAR nroMesa COMO idMesa) REUNION factura

|  |  |
| --- | --- |
| 1 – RESTRICCION | |
| nroMesa | Descripcion |
| 1 | Rinconera |
| 2 | Reservado |
| 3 | Reservado |
| 7 | Rinconera |

|  |
| --- |
| 2 - PROYECTAR |
| nroMesa |
| 1 |
| 2 |
| 3 |
| 7 |

|  |
| --- |
| 3 - RENOMBRAR |
| idMesa |
| 1 |
| 2 |
| 3 |
| 7 |

|  |  |  |  |
| --- | --- | --- | --- |
| 4 - REUNION | | | |
| nroFac | idMesa | idMozo | nroPer |
| 1 | 1 | 3 | 5 |
| 2 | 3 | 4 | 1 |
| 4 | 3 | 2 | 1 |
| 5 | 7 | 1 | 1 |
| 8 | 2 | 3 | 3 |

SUMARIZAR ItemsFacturas POR nroFac AGREGAR SUMA(Precio) COMO Total

27 -

((EXTENDER (SUMARIZAR ItemFactura POR idPlato AGREGAR SUMAR (cant) COMO cantTotal) ADD MIN (cantTotal) COMO minimo) RENOMBRAR minimo COMO cantTotal) REUNION (SUMARIZAR ItemFactura POR idPlato AGREGAR SUMAR (cant) COMO cantTotal)

|  |  |
| --- | --- |
| 1 - SUMARIZAR | |
| idPlato | cantTotal |
| 101 | 6 |
| 102 | 11 |
| 103 | 1 |
| 104 | 3 |
| 105 | 28 |
| 106 | 1 |
| 107 | 2 |
| 108 | 3 |

|  |  |
| --- | --- |
| 4 - SUMARIZAR | |
| idPlato | cantTotal |
| 103 | 1 |
| 106 | 1 |

|  |
| --- |
| 3 - RENOMBRAR |
| cantTotal |
| 1 |

|  |
| --- |
| 2 - EXTENDER |
| minimo |
| 1 |

28 –

(((((((Platos RESTRICCION Descripcion=’Cafe’) PROYECTAR {Nroplato}) RENOMBRAR Nroplato COMO idPlato) REUNION ItemsFactura) PROYECTAR {nroFac}) DIFERENCIA (((((Platos RESTRICCION Descripcion=’torta’) PROYECTAR {Nroplato}) RENOMBRAR Nroplato COMO idPlato) REUNION ItemsFactura) PROYECTAR {nroFac})) REUNION Factura) PROYECTAR {idMozo}) RENOMBRAR idMozo COMO nroMozo) REUNION Mozos) PROYECTAR {Descripcion}

|  |  |  |
| --- | --- | --- |
| 1 – RESTRICCION | | |
| Nroplato | Descripcion | Precio |
| 101 | Café | 6,5 |

|  |
| --- |
| 2 - PROYECTAR |
| Nroplato |
| 101 |

|  |  |  |  |
| --- | --- | --- | --- |
| 4 – REUNION | | | |
| nroFac | idPlato | Cant | Precio |
| 3 | 101 | 2 | 6,5 |
| 5 | 101 | 1 | 6,5 |
| 7 | 101 | 2 | 6,5 |
| 8 | 101 | 1 | 6,5 |

|  |
| --- |
| 3 - RENOMBRAR |
| idPlato |
| 101 |

|  |
| --- |
| 5 – PROYECTAR |
| nroFac |
| 3 |
| 5 |
| 7 |
| 8 |

|  |  |  |
| --- | --- | --- |
| 6 – RESTRICCION | | |
| Nroplato | Descripcion | Precio |
| 108 | Torta | 9 |

|  |
| --- |
| 7 - PROYECTAR |
| Nroplato |
| 108 |

|  |  |  |  |
| --- | --- | --- | --- |
| 9 – REUNION | | | |
| nroFac | idPlato | Cant | Precio |
| 3 | 108 | 1 | 9 |
| 7 | 108 | 2 | 9 |

|  |
| --- |
| 8 - RENOMBRAR |
| idPlato |
| 108 |

|  |
| --- |
| 10 – PROYECTAR |
| nroFac |
| 3 |
| 7 |

|  |
| --- |
| 11– DIFERENCIA |
| nroFac |
| 5 |
| 8 |

|  |  |  |  |
| --- | --- | --- | --- |
| 12 - REUNION | | | |
| nroFac | idMesa | idMozo | nroPer |
| 5 | 7 | 1 | 1 |
| 8 | 2 | 3 | 3 |

|  |  |
| --- | --- |
| 15 - REUNION | |
| nroMozo | Descripcion |
| 1 | Juan |
| 3 | Marcela |

|  |
| --- |
| 13 - PROYECTAR |
| idMozo |
| 3 |
| 1 |

|  |
| --- |
| 14 - RENOMBRAR |
| nroMozo |
| 3 |
| 1 |

|  |
| --- |
| 16 - PROYECTAR |
| Descripcion |
| Juan |
| Marcela |