

1-)  $\prod_{molzeme, \#} (\sigma_{\text{musteri} \times siparis \times kullon \times molzeme})$

①  $modi = 'Ali' \wedge msoyadi = 'Kurt'$   
 $musteri.mno = siparis.mno \wedge siparis.yno = kullon.yno \wedge$   
 $molzeme.zno = kullon.zno$

2-)  $\prod_{yemek, \#} (\sigma_{\text{molno} (\text{②} - \text{③})} \times kullon \times yemek)$

④  $molno = kullon.zno \wedge$  ②  $\prod_{molzeme.zno} (Molzeme)$   
 $kullon.yno = yemek.yno$

③  $\prod_{molzeme.zno} (\sigma_{\text{yemek} \times kullon \times molzeme})$

④  $yadi = 'Kuru fasulye' \wedge yemek.yno = kullon.yno \wedge$   
 $molzeme.zno = kullon.zno$

3-)  $(1, 3) \cap (1, 4)$

$(1, X) \prod_{musteri, \#} (\sigma_{\text{molzeme} \times kullon \times siparis \times muster})$   
 $\wedge molzeme.zno = kullon.zno \wedge$

$siparis.yno = kullon.yno \wedge muster.mno = siparis.mno$

{ ③  $zadi = 'Domates'$

④  $zadi = 'Kereviz'$

NOT :  $\begin{matrix} ① ③ \\ ② (1, X) \end{matrix}$   
 Gibi yerlere, altında  
 tanımlı olan gelecek.



4-)  $\Pi_{\text{modi, msyodi}} ( \sigma_{\text{musteri} \times \text{bullon} \times \text{molzene} \times \text{siparis}} )$

①  $\text{musteri.mno} = \text{siparis.mno} \wedge \text{bullon.yno} = \text{siparis.yno} \wedge$

$\text{bullon.zno} = \text{molzene.zno} \wedge \text{zodi} = \text{'Domotes'}$

5-)  $\theta_{\text{zodi}} ( \Pi_{\text{zodi, count(yno), avg(miktor)}} ( \sigma_{\text{molzene} \times \text{bullon}} ) ( \text{count(zno)} > 3 )$

①  $\text{molzene.zno} = \text{bullon.zno}$