

محمد جواد ن ۹۸۳۱۱۲۷

۱)  $\pi_{mid} (\sigma_{BirthDate = 1394}(People))$

۲)  $\pi_{Name, BirthDate} (\sigma_{FatherID = 123}(People))$

۳)  $\pi_{Name, BirthDate} (\sigma_{motherID = 123}(People))$   
 زیرمشتق فقط با نام پدر مشتق می شود

۲.۱)  $\pi_{name} (\sigma_{People.motherID = M.motherID \wedge$

$People.fatherID = M.fatherID \wedge$

$People.BirthDate < M.BirthDate$

$(People \times P(People))$

rename

مادر و پدر یکسان و تولد کمتر

~~۳.۱)~~

$\gamma \pi$  (  $\sigma$   
 $t \ll$  name ~~father~~.

People.fatherid = m.fatherid

$\wedge$   $\sigma$   
 People.motherid = m.motherid (People

$\times \rho_{c, m}(\text{People})$

rename,

$\forall U \Rightarrow \text{and}$

$\pi$  (  $\sigma$

name ~~name~~

(People  $\times t$ )

People.name =  $t$ .fatherid

join

OR  $\pi$

name, name (  $\sigma$   
 $c.motherid = \text{People.mid}$

(  $\sigma$  )  
 $c.fatherid = \text{People.mid}$  ( People  $\times \rho_c(\text{People})$