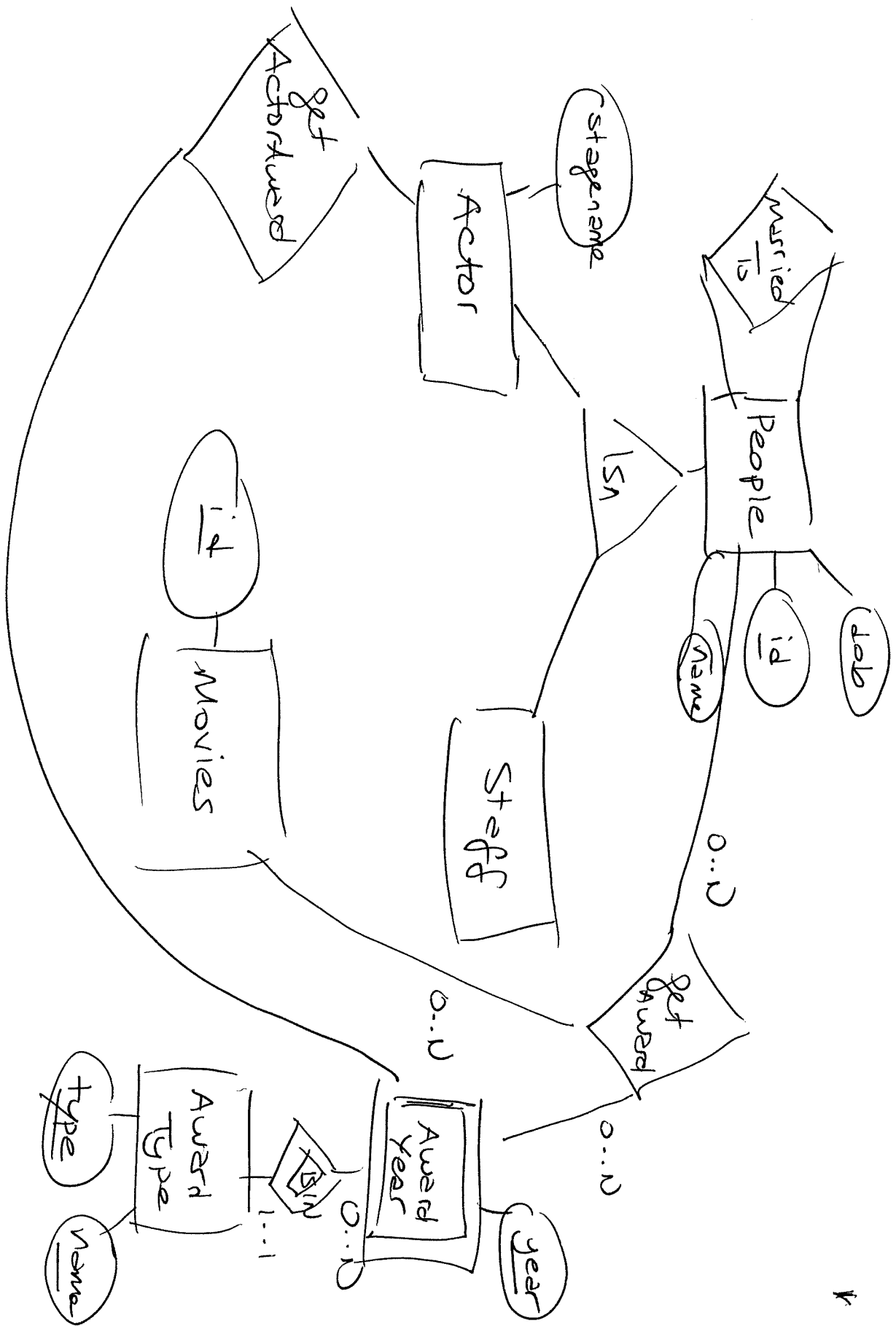
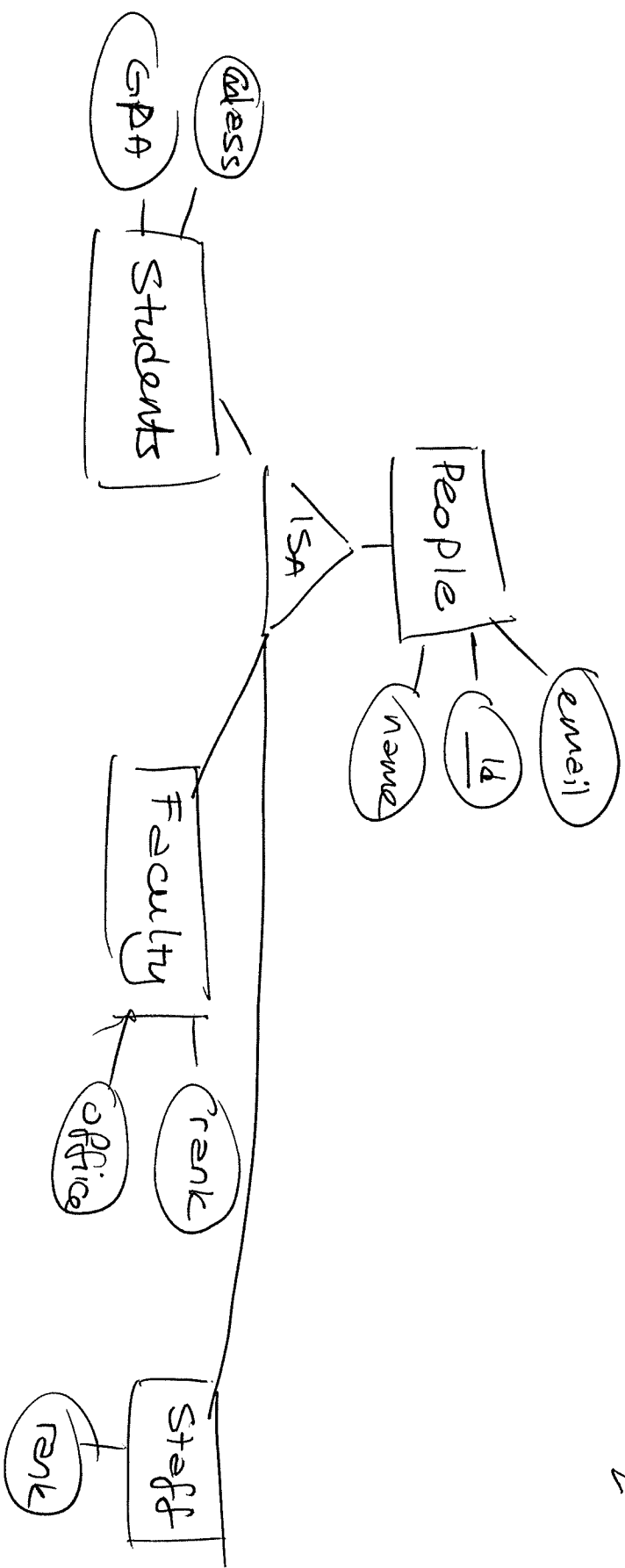






Cartesian Product & Theta Join

$R(A, B)$

$S(B, C)$

$R \bowtie (A1, B1) = R$

$T = R \times S$

$T(A1, B1, B, S)$

$T2 = \text{select } T_{B1=B}$ (T)

$R1(A1, B1) = R$

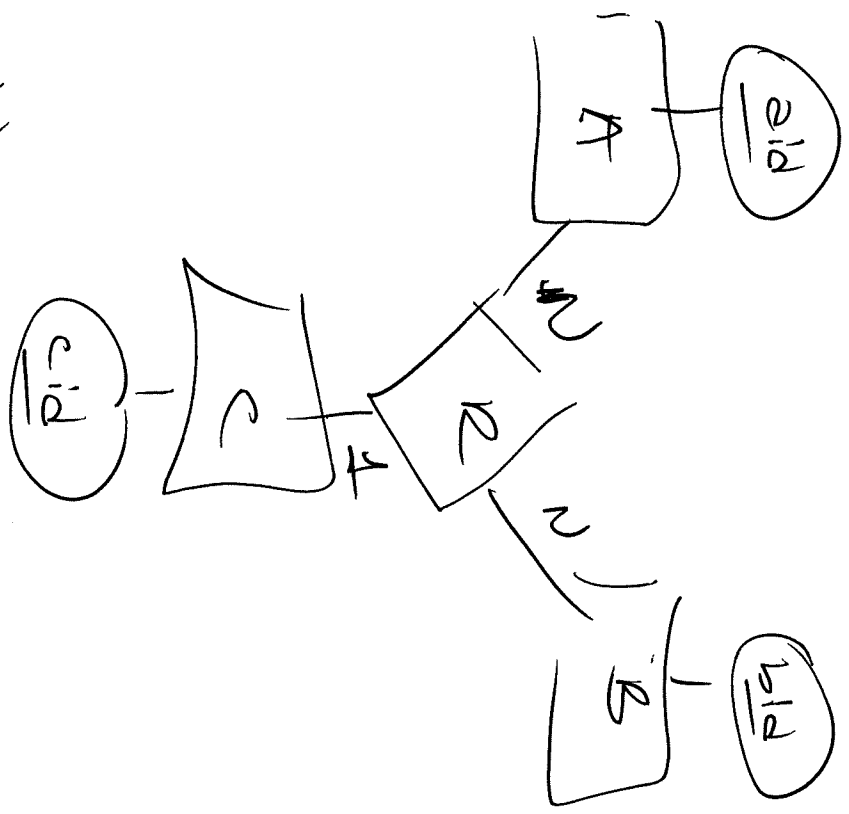
$T2 = R1 \underset{B1=B}{\bowtie} S$ $T2(A1, B1, B, C)$

Natural Join

$T3 = R \underset{*}{\bowtie} S$

(Equality on all πB)

$T3(A, B, C)$



$R(\underline{a}, b, c, d)$

$AB \rightarrow C$