

1. The ID of all enemies with phone number 1234567.

RA:

$R := \pi_{id}(\sigma_{\text{phone}=1234567}(\text{Enemy} \bowtie \text{People}))$

TRC:

$\{R \mid \exists E \in \text{Enemy} \exists P \in \text{People} ($

$P.id = E.id \wedge$

$p.phone = 1234567 \wedge$

$R.id = E.id) \}$

2. The ID and name of all members who have a child named “Jónas”.

RA:

$R := \pi_{id, name}(\sigma_{\text{name}=\text{“Jónas”}}(\text{Member} \bowtie \text{Child}))$

TRC:

$\{R \mid \exists M \in \text{Member} \exists C \in \text{Child} \exists P \in \text{People} ($

$P.id = M.id$

$M.id = P.id$

$C.name = \text{“Jónas”}$

$R.id = M.id$

$R.name = P.name$