$$R(A,B) \;.\; T(B)$$

$$R \div T$$

$$\{ x \mid \forall y . T(y) \Rightarrow R(x,y) \}$$

R	A	B
	1	1
	1	2
	2	1

T	B
	1
	2

$D : \{1, 2, 3\}$

$\Sigma(R) = \{1\}$

$adom = \{1\}$

$Dom : \{1, 2\}$

$Q(adom) = \emptyset$

$Q(Dom) = \{2\}$

R A
1

DB

$F : \underline{A(x) \wedge B(y) \wedge C(z)}$

$\uparrow$

$G:$

$Dom = \{1, 2, 3\}$

$adom = \{1, 2\}$

R	A	B
	1	2

$Q(R, adom) =$

x	y
1	2
1	1
2	2
3	3

Dom $\leftarrow$

$$\{ x, x \mid R(x, x) \}$$

$$R(x, y, z) \wedge \neg S(x, y)$$

~~$\neg T(y, z)$~~

$R(A, B, C)$

$S(A, B)$

~~$T(B, C)$~~

$\pi_{ABC}\left(\left(\pi_{A,B} R - S \right) \bowtie R \right)$

$R(A, B, C)$

$F: \{A \to B, B \to C\}$

$A \to C$

$F \models A \to C$?

$F' = \{A \to C\}$

$F' \vdash AB \to C$

R	A	B	C
	1	2	3
	1	3	4