

ShowName	ShowStarted	ShowEnded	Actor	Role	DateOfBirth	JoinedCast	LeftCast
Farscape	1999	2003	Ben Browder	John Crichton	1962	1999	2003
Farscape	1999	2003	Claudia Black	Aeryn Sun		1999	2003
Farscape	1999	2003	Virginia Hey	Pa'u Zotoh Zhan	1952	1999	2002
Farscape	1999	2003	Lani Tupu	Pilot	1955	1999	2003
Farscape	1999	2003	Lani Tupu	Captain Bialar Crais	1955	1999	?
Babylon 5	1993	1998	Mira Furlan	Delenn	1955	1993	1998
Babylon 5	1993	1998	Bruce Boxleitner	Capt. Sheridan	1950	1994	
Babylon 5	1993	1998	Michael O'Hare	Cmdr. Sinclair	1952	1993	1996
Babylon 5	1993	1998	Richard Biggs	Dr. Franklin		?	1998

Normalization

Inference Rules:

1) Reflexive: If $Y \subseteq X$ then $X \rightarrow Y$

2) ~~Decomposition~~ Combining Rule

If ~~$A \rightarrow B$~~ $X \rightarrow Y_1$ then $X \rightarrow Y_1 Y_2$
 $X \rightarrow Y_2$

3) Decomposition

If $X \rightarrow Y_1 Y_2$ then $X \rightarrow Y_1$
 $X \rightarrow Y_2$

4) Transitivity

If $X \rightarrow Y$ and $Y \rightarrow Z$ then
 $X \rightarrow Z$

Ex:

$A \rightarrow A$
 $AB \rightarrow A$

$A \rightarrow B$
 $A \rightarrow C$ } $A \rightarrow BC$

If $A \rightarrow BCE$ then

$A \rightarrow B$

$A \rightarrow C$

$A \rightarrow E$

$A \rightarrow CE$

$A \rightarrow BC$ } $A \rightarrow DE$
 $BC \rightarrow DE$ }

5) Augmentation:

If $X \rightarrow Y$ then
 $AX \rightarrow AY$

Trivial f.d.

If $Y \subseteq X$ then $X \rightarrow Y$ is trivial

$A \rightarrow A$
 $AB \rightarrow B$
 $(ABC) \rightarrow (AC)$