



1	$\vdash (f \wedge g) \rightarrow g$	A1	⌵
2	$\vdash K1 (f \wedge g) \rightarrow K1 g$	KD	✓ ⌵ 1
3	$\vdash (f \wedge g) \rightarrow f$	A1	⌵
4	$\vdash K1 (f \wedge g) \rightarrow K1 f$	KD	✓ ⌵ 3
5	$\vdash (K1 (f \wedge g) \rightarrow K1 f) \rightarrow ((K1 (f \wedge g) \rightarrow K1 g) \rightarrow (K1 (f \wedge g) \rightarrow (K1 f \wedge K1 g)))$	A1	⌵
6	$\vdash (K1 (f \wedge g) \rightarrow K1 g) \rightarrow (K1 (f \wedge g) \rightarrow (K1 f \wedge K1 g))$	R1	✓ ⌵ 4, 5
7	$\vdash K1 (f \wedge g) \rightarrow (K1 f \wedge K1 g)$	R1	✓ ⌵ 2, 6

System

K

⌵

Agents

(m)

Goal

K1(f&g)->(K1f&K1g)

✓

Syntax Overview

⌵