

Arg. 1

<ol style="list-style-type: none"> 1. $\neg(P \wedge Q \wedge R)$ 2. P 3. $\neg\neg Q$
Goals
▶ $\neg R$

1 cont'd

<ol style="list-style-type: none"> 1. $\neg(P \wedge Q \wedge R)$ 2. P 3. $\neg\neg Q$ 4. ∇R
Goals
▶ $\neg R$

1 complete

Thu Sep 29 10:34:12 EDT 2005

<ol style="list-style-type: none"> 1. $\neg(P \wedge Q \wedge R)$ 2. P 3. $\neg\neg Q$ 4. ∇R 5. Q 6. $P \wedge Q \wedge R$ 7. \perp 8. $\neg R$ 	<ul style="list-style-type: none"> ✓ \neg Elim 3 ✓ \wedge Intro 2,5,4 ✓ \perp Intro 1,6 ✓ \neg Intro 4-7
Goals	
▶ $\neg R$	

Arg. 2

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<ol style="list-style-type: none"> 1. Cube(a) 2. \negCube(a) \vee \negCube(b)
Goals
▶ $a \neq b$

2 cont'd

Thu Sep 29 10:36:00 EDT 2005

<ol style="list-style-type: none"> 1. Cube(a) 2. \negCube(a) \vee \negCube(b) 3. $\nabla a = b$ 4. $\nabla \neg$Cube(a) 5. \perp 6. $\nabla \neg$Cube(b) 7. \perp 8. \perp 9. $a \neq b$
Goals
▶ $a \neq b$

2 complete

Thu Sep 29 10:36:33 EDT 2005

<ol style="list-style-type: none"> 1. Cube(a) 2. \negCube(a) \vee \negCube(b) 3. $\nabla a = b$ 4. $\nabla \neg$Cube(a) 5. \perp 6. $\nabla \neg$Cube(b) 7. Cube(b) 8. \perp 9. \perp 10. $a \neq b$ 	<ul style="list-style-type: none"> ✓ \perp Intro 1,4 ✓ = Elim 1,3 ✓ \perp Intro 6,7 ✓ \vee Elim 2,4-5,6-8 ✓ \neg Intro 3-9
Goals	
▶ $a \neq b$	✓ 10