1.

⊢(A∧B) ->A

(A∧B) ⊢A

(A∧B) ⊢(A∧B)

2. (A->B),(B->C) ⊢(A->C)

(A->B),(B->C),A⊢C

(A->B),(B->C),A⊢B (A->B),(B->C),A⊢B->C

(A ->B),A⊢B (B->C),A⊢B->C

(A->B),A⊢A (A->B),A⊢A->B B->C⊢B->C

A⊢A A->B⊢A->B