

























are sound, and axioms are valid, then the whole proof system is sound



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Complete proof systems

A proof system is complete when every valid formula is provable. These sound proof systems are indeed also complete.



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Text and MITx unit describe a complete proof system based on proving equivalences using algebrastyle rules

MITx unit "Propositional Logic" describes modus ponens based deduction system



Albert R Meyer, 2017

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12 10 5 3 1 4 14 15 8 11 2 Validity/SAT still difficult! Known proof systems in general are no better than truth tables. No efficient method for verifying validity is known.



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