$\blacktriangleright$  MOJTABA MOJTAHEDI, On provability logic of Heyting Arithmetic. Ghent University.

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We axiomatize the provability logic for Heyting Arithmetic and show that it is decidable. Mainly we focus on the two handful tools: (1) a relativised version of unification named NNIL-fication, (2) Hybrid semantics for provability logics.