

## 5.3 Protocol for TQBF

## 6. The power of the prover

## 7. Multiprover interactive proofs

## 8. Program checking

See

 [Sanjeev Arora, Boaz Barak:](#)  
*Computational Complexity — A Modern Approach*,  
p. 161–170, Cambridge University Press: Cambridge-New York-Melbourne, 2009

## 9. Outlook, More Topics in Complexity Theory

Among numerous other topics, see e.g. this on the GCT program:



Mulmuley, Ketan D.:

*The GCT Program Toward the  $\mathcal{P}$  vs.  $\mathcal{NP}$  Problem,*

Comm. ACM **55**, 6, p. 100–109, ACM Press: New York, 2012

For a blurb on one of the authors of the textbook for this course, see



Hyman, Paul:

*An Influential Theoretician,*

Comm. ACM **55**, 6, p. 24, ACM Press: New York, 2012