Lecture #12: Classical Reductions What Will Happen During the Lecture

Remember... You Had Homework!

Students were asked to work through the following set of lecture notes before this lecture.

• Lecture Notes — "Classical Reductions'.

It is possible (but not guaranteed) that some — or, even, all — of the material in the lecture notes might be review material. However, it is also possible that all of it is new.

Activities During the Lecture Presentation

A decision problem, resembling one of the decision problems considered in the lecture notes, will be introduced and — along with an appropriate encoding— used to define a language. A proof of the \mathcal{NP} -completeness of this language will be sketched.

Indeed, if time allows — and things go well — the students in the class will solve this problem — with the instructor helping, as needed.