











# Discussion of the Revelation Principle

- The set of equilibria is **not always the same** in the original mechanism and revelation mechanism
  - of course, we've shown that the revelation mechanism does have the original equilibrium of interest
  - however, in the case of indirect mechanisms, even if the indirect mechanism had a unique equilibrium, the revelation mechanism can also have new, bad equilibria
- So what is the revelation principle **good for**?
  - recognition that truthfulness is not a restrictive assumption
  - recognition that indirect mechanisms can't do (inherently) better than direct mechanisms
  - for analysis purposes, we can consider only truthful mechanisms, and be assured that such a mechanism exists

