

Lecture #11: Reducibilities — and Many-One Reductions

What Will Happen During the Lecture

Remember... You Had Homework!

Students were asked to have worked through a set of notes before this first lecture:

- Lecture Notes — “Reducibilities — and Many-One Reductions”

Of course, you may attend the lecture presentation if you have not worked through this material ahead of time — but it will not be repeated for you during the lecture presentation.

Problems To Be Solved

Two *many-one reductions* will be given, as examples of how these can be used to prove that a given pair of sets are “ m -equivalent”. This will include an application of the *Parameter Theorem* to prove that a function (used in the first proof) is primitive recursive.