

Lecture #15: More about Reductions and Reducibilities

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 — “More about Reductions and Reducibilities”

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.

Topic To Be Discussed

At this point, three kinds of **reducibilities** have been defined for computations with $\mathcal{S}$ -programs — **one-one-reducibility**, **many-one reducibility**, and **Turing reducibility**.

The lecture presentation will consider corresponding “reducibilities” that can be obtained using different models of computation, and their relationships with the reducibilities that have been introduced in lectures.