

Lecture #16: The Arithmetic Hierarchy

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 — “The Arithmetic Hierarchy”

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

In order to better understand the classes in the Arithmetic Hierarchy, ***closure properties*** of these classes — including closure under ***union***, ***complementation*** and, possibly, one other operation, will be investigated.