



NPTEL

NPTEL ONLINE COURSE

Discrete Mathematics

Functions

Advanced Topics

Discrete Mathematics

Advanced Topics

Introduction to advanced topics

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IIT Ropar



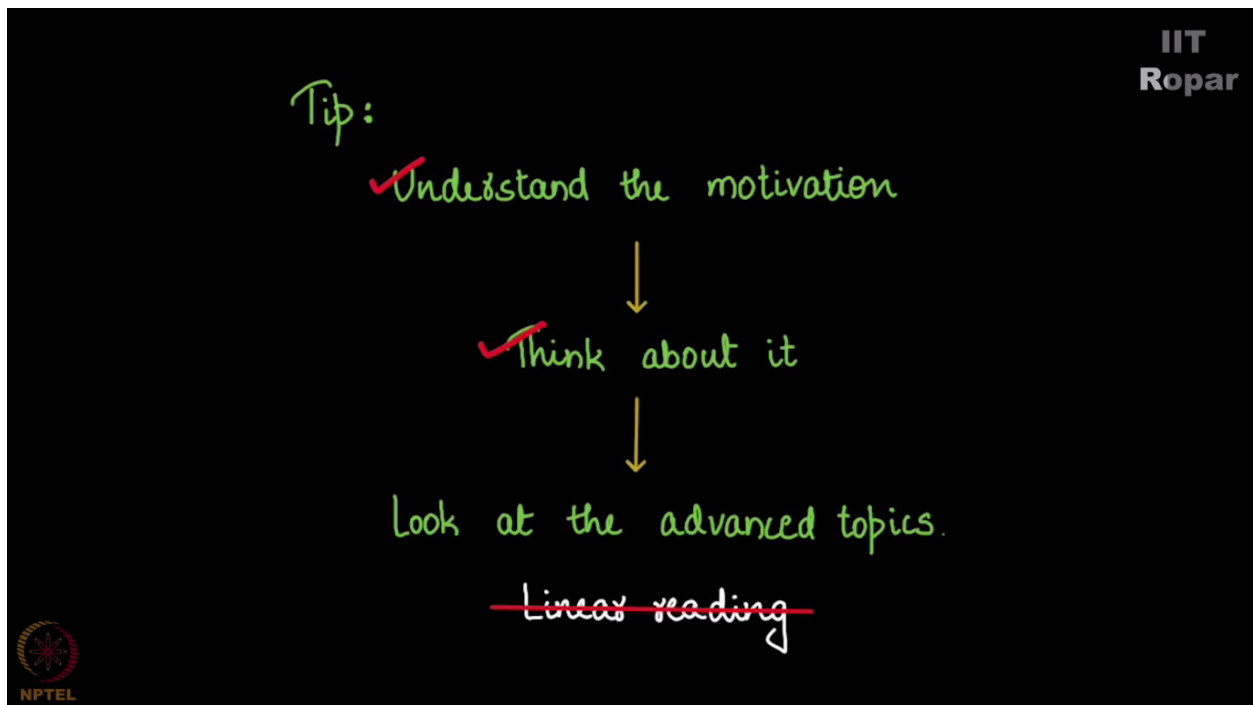
Introduction to advanced topics

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We have seen many concepts in discrete mathematics so far. While we were discussing a particular chapter a particular topic we realized that there is something called the basic motivational topic and then a few advanced topics we realized that it is important for us to motivate you people first and then look at the advanced part. So we thought we will keep all the advanced part of a few chapters later in the course. So this week we will be convering mainly some of those advanced topics. Here goes a very good tip for you people. Know something whenever you are studying something as abstract as discrete mathematics or anything that is a little involved as a subject you must reach out to this technique of first understanding the motivation for the concept thinking about it for some time maybe spend a few days on it. And then look at the advanced stuff. Do do not reach out to linear reading. Do not start with the first page of the chapter and go to the last page by reading all the pages in between. That doesn't work for an abstract subject. It is important to get the motivation, solve the introductory ideas, get the introductory ideas right and then after a while look at the advanced topics. It is with this spirit that we kept some of the advanced topics for the fag end part of the course.



I am sure you will be able to appreciate and understand it better given that you have maturity of the basic concepts.