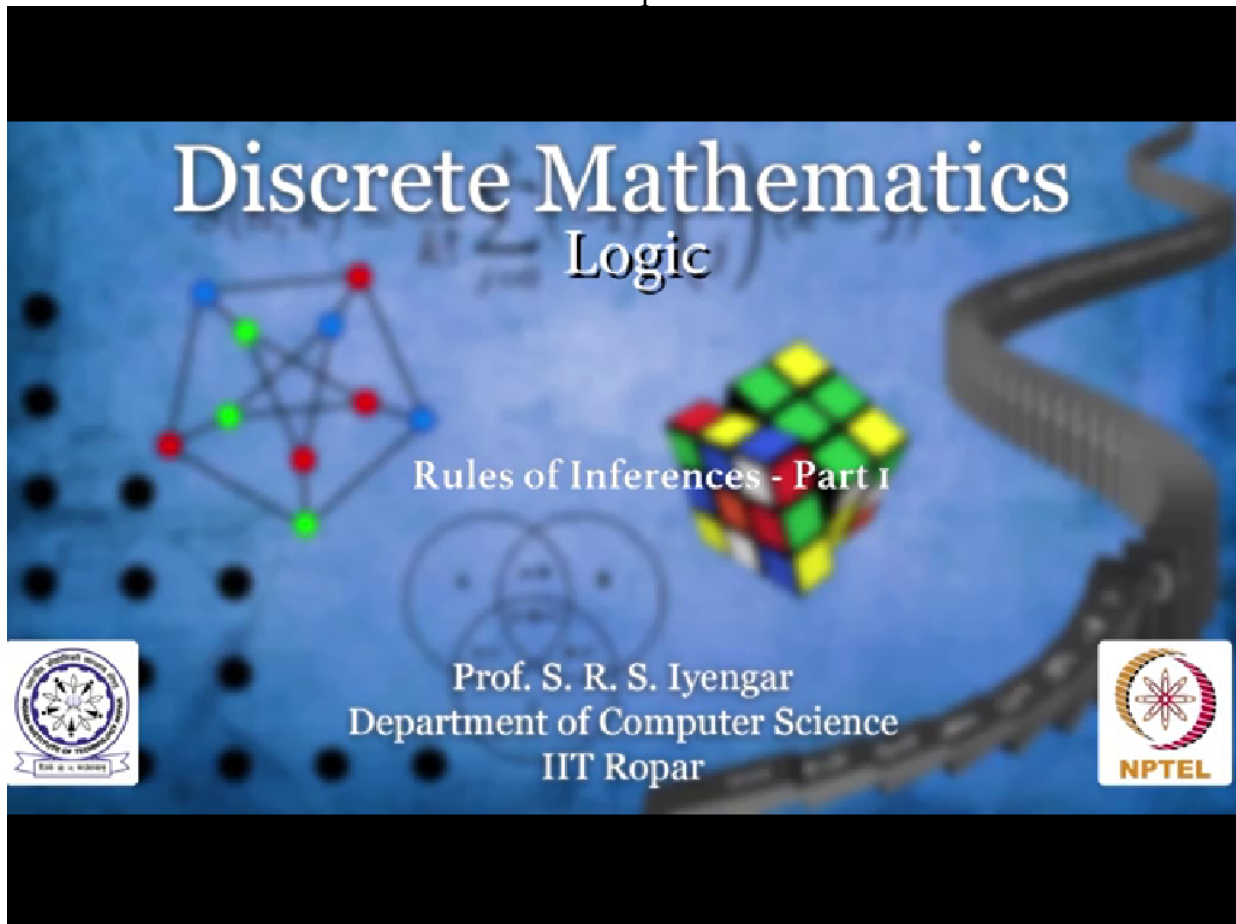


NPTEL  
NPTEL ONLINE COURSE  
Discrete Mathematics  
Logic  
Rules of Inferences - Part 1  
Prof. S. R. S. Iyengar  
Department of Computer Science  
IIT Ropar



So there's a scene, and our detective Sherlock Holmes is investigating on the case, and he observes that there is this theft, but there is no clue whatsoever. And then he gets to know that such a there's been some sort of our following by the guests know that for sure there has been some sort of a burglary, but he gets to know that that dog did not bark in that particular house where burglary happened. Dog did not bark.

In fact, the statement is there's absolutely no clue what happened. Even the dog did not bark is what someone tells Sherlock Holmes, and Sherlock Holmes immediately reduces there is this burglary that happened and dog did not bark, which means the conclusion is that someone inside the house probably is involved that the dog recognized the person and hence did not bark. And that is the climax of the story and he finally solves the crime mystery. So what just happened? Think about it.

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Funded by  
Department of Higher Education  
Ministry of Human Resource Development  
Government of India  
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