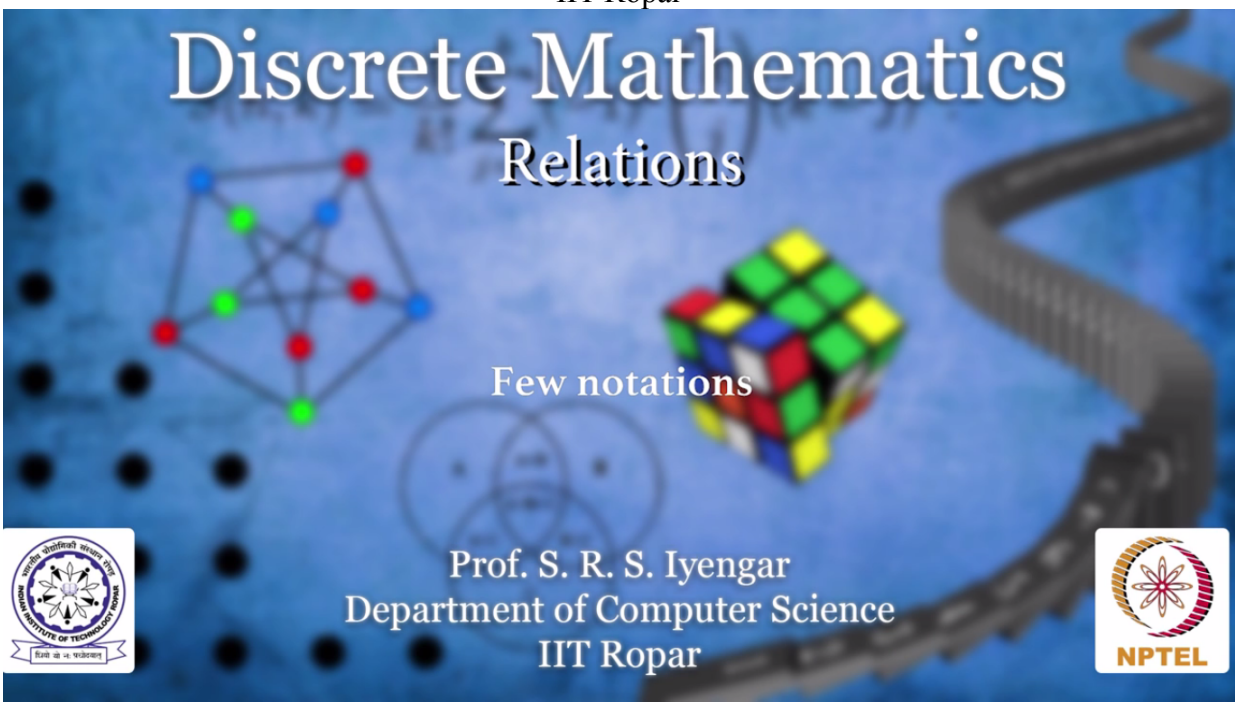
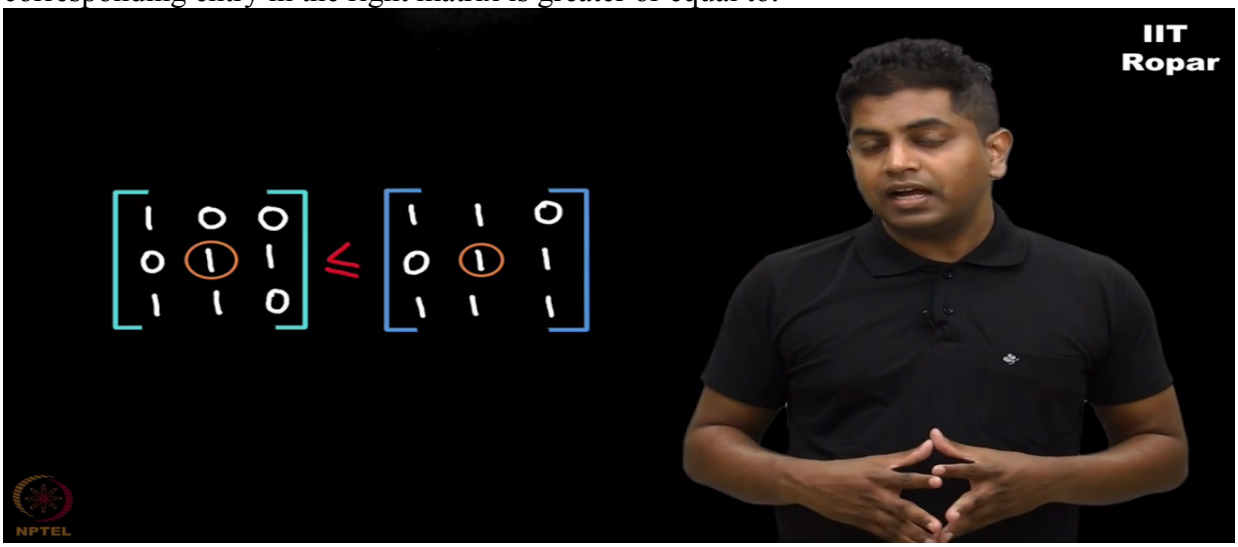
NPTEL
NPTEL ONLINE COURSE
Discrete Mathematics Relations
Few notations
With
Prof. S.R.S. Iyengar
Department of Computer Science
IIT Ropar



Here is a very important notation to note. Whenever I say a relation matrix representation and another relation's matrix representation, let's say these two matrices here, I say one matrix is less than or equal to the other matrix if for every entry on the left matrix for every entry corresponding entry in the right matrix is greater or equal to.



For example, on the left if you have a 0, on the right you must have 0 or 1. If you have 1 on the

left side, you must then should have 1 on the right side. All that we are saying is that the corresponding entries respect the inequality that is put between these two matrices.

Online Editing and Post Production

Karthik
Ravichandran
Mohanarangan
Sribalaji
Komathi
Vignesh
Mahesh Kumar

Web-Studio Team

Anitha
Bharathi
Catherine
Clifford
Deepthi
Dhivya
Divya
Gayathri
Gokulsekar
Halid
Hemavathy
Jagadeeshwaran
Jayanthi
Kamala
Lakshmipriya
Libin
Madhu
Maria Neeta
Mohana
Mohana Sundari
Muralikrishnan
Nivetha
Parkavi
Poornika
Premkumar
Ragavi
Renuka
Saravanan
Sathya
Shirley
Sorna
Subhash
Suriyaprakash
Vinothini

Executive Producer

Kannan Krishnamurty
NPTEL Coordinator
Prof. Andrew Thangaraj
Prof. Prathap Haridoss
IIT Madras Production
Funded by
Department of Higher Education
Ministry of Human Resource Development
Government of India
www.nptel.ac.in
Copyright Reserved