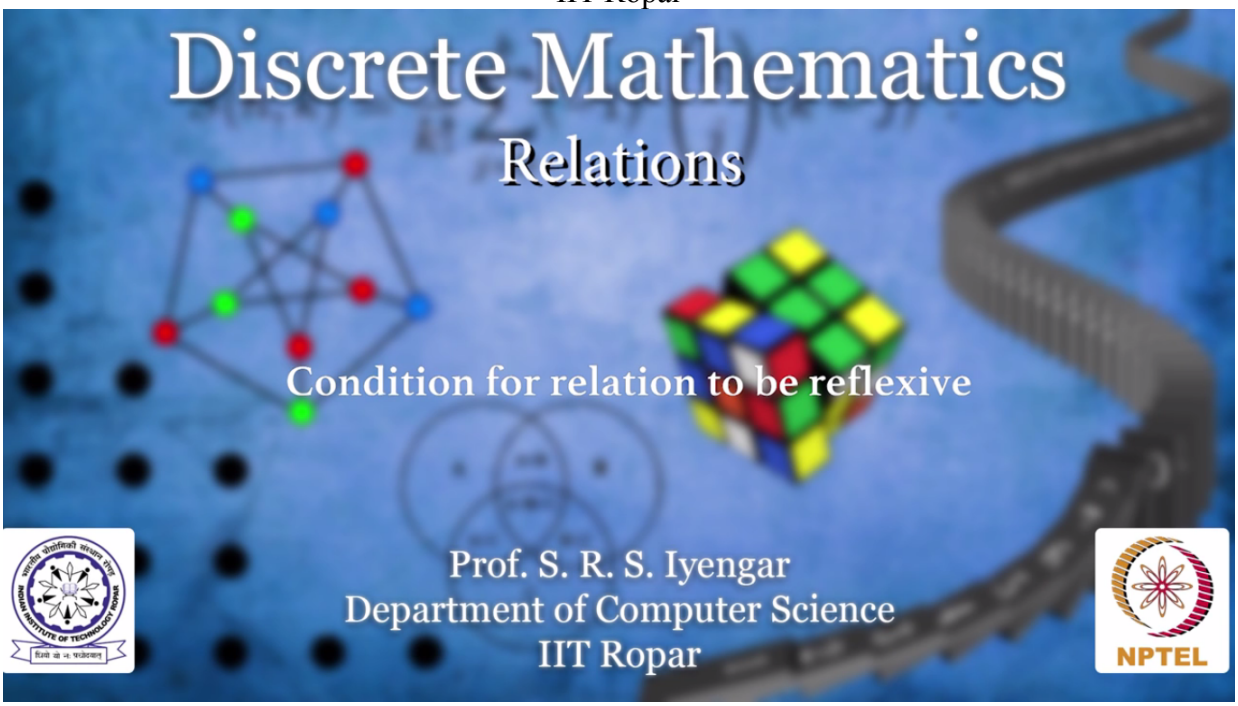
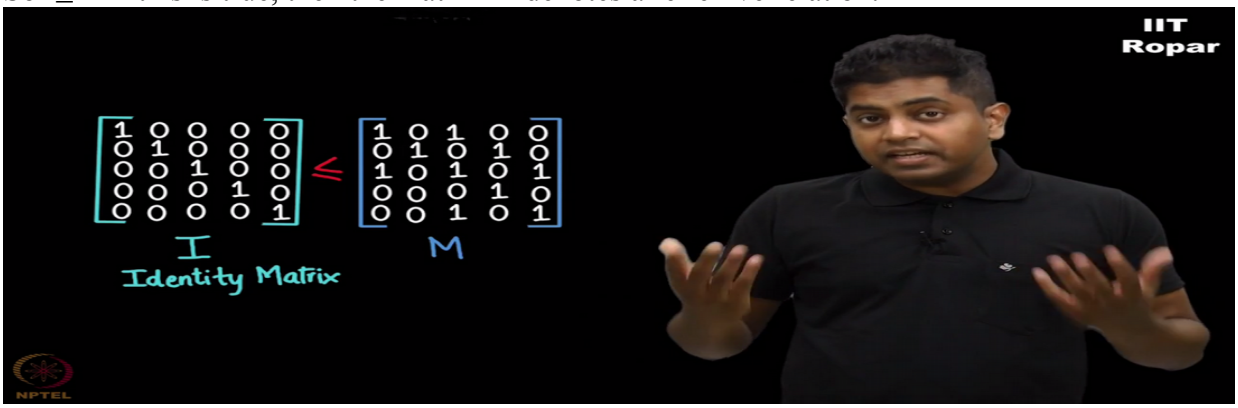
NPTEL
NPTEL ONLINE COURSE
Discrete Mathematics Relations
Condition for relation to be reflexive(1)
With
Prof. S.R.S. Iyengar
Department of Computer Science
IIT Ropar



So notations in action. Don't you see that a reflexive relation under corresponding matrix M, matrix M represents a reflexive relation. Don't you think this satisfies this inequality where you see the left matrix is all 1s in the diagonal and 0s in other places. This matrix is actually denoted by I, I for identify matrix. You would have known, you would have seen this before.
So I≤M if this is true, then the matrix M denotes a reflexive relation.



And in case this inequality is not true, then matrix M does not represent a reflexive relation. Think about it.

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