NPTEL
NPTEL ONLINE COURSE
Discrete Mathematics Relations
Condition for relation to be symmetric
With
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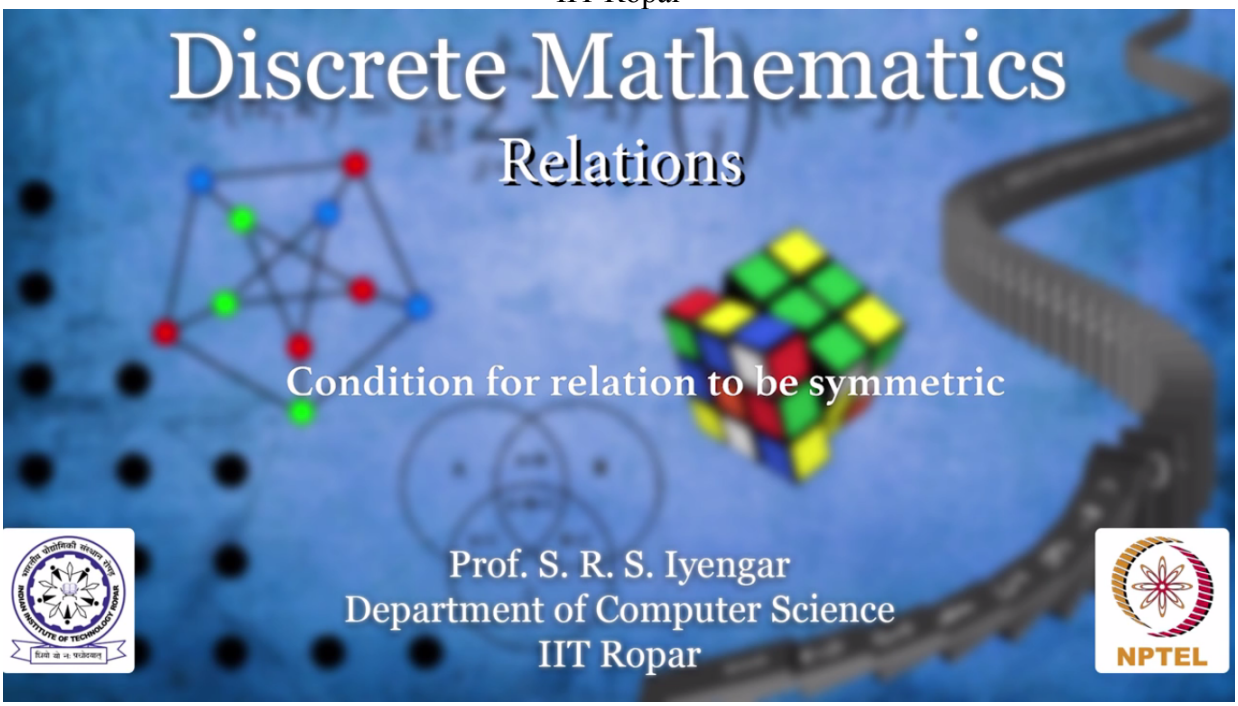
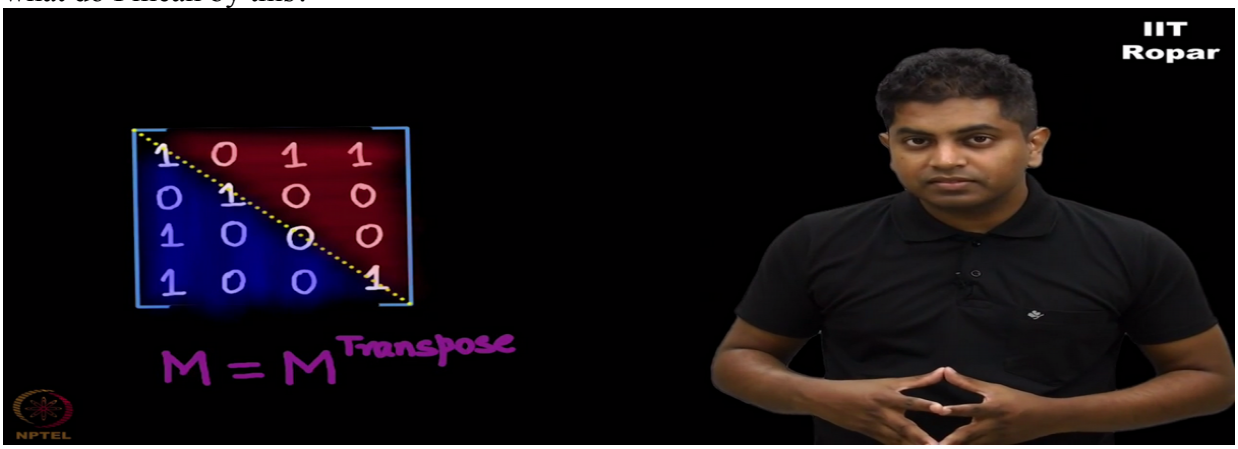


How do we check whether a given relation is symmetric or not? You must look at all possible entries in the matrix and see if the corresponding entries across the diagonal are the same or not. Basically, the red zone and the blue zone, the corresponding entries should all be the same. So what do I mean by this?



Notation-wise all I am saying is the entries after considering the transpose of the matrix M should be equal to $M^{Transpose}$, isn't it?

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