

NPTEL

NPTEL ONLINE CERTIFICATION COURSE

**Discrete Mathematics
Graph Theory – 3 &
Generating Functions**

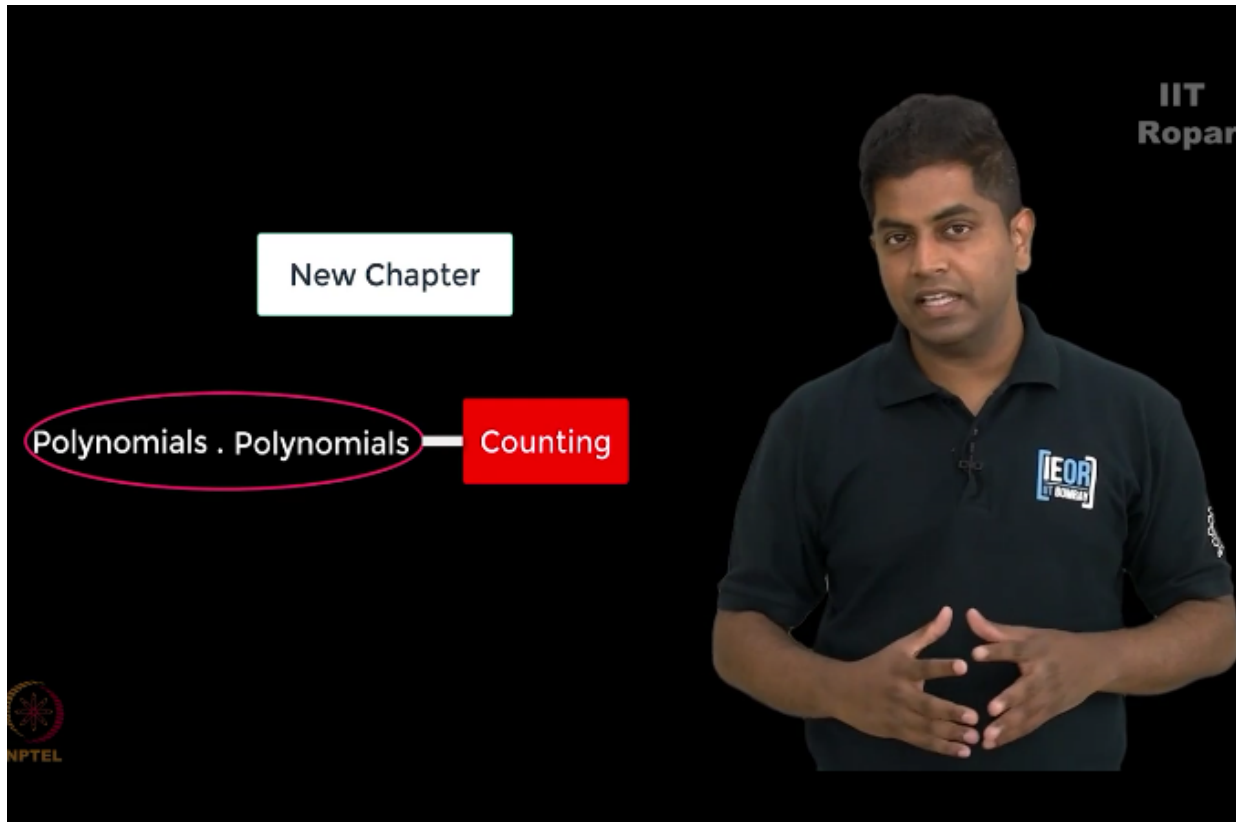
Counting in a creative way

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We are now starting a brand new chapter, a chapter that involves of course counting but in a very ingenious way,
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so the techniques that we are going to discuss here is out of the world fascinating due to the creative component that we use there, you will observe that one can bring in the notion of polynomials and multiplication of polynomials to achieve some counting, sounds like this are unrelated but you will soon see, how exactly they are related.
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