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NPTEL ONLINE COURSE

Discrete Mathematics

Functions

Introduction to Bijection

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There is one type of function that is very important to us in the whole of this subject and that is this function called the bijection. Definition is very simple. Any function that is both one-one as well as onto is called a bijection. Please note I will be using this word bijection in several chapters that's going to come ahead. We better be very clear with what one means by bijection.

$f: A \rightarrow B$ is
called a **Bijection**
if it is -

1. **One - One**
2. **Onto**

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To summarize, a function f from A to B is called a bijection if it is number one, one-one, number two, onto.