



Discrete Mathematics

Functions

Cardinality condition in One-One function - Part 1

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A question to you all. Assume you are given two finite sets, A and B and a function f from A to B which is given to be one-one. T

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Question :

$$f: A \rightarrow B$$

f is one - one

CARDINALITIES

NPTEL

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A video frame showing a professor standing next to a chalkboard. The chalkboard contains the text 'Question :', the function notation $f: A \rightarrow B$, and the statement ' f is one - one'. Below this, the word 'CARDINALITIES' is written in large, bold letters. The professor is wearing a dark polo shirt with 'IEOR IIT BOMBAY' on it. The background is dark, and the text on the chalkboard is written in white and pink. The IIT Ropar logo is in the top right corner, and the NPTEL logo is in the bottom left corner.

the question is what can you say about the cardinalities of A and B here?