Discrete Mathematics for Computer Science Toán Rời Rạc Cho Khoa Học Máy Tính

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What is Discrete Mathematics?

Definition (Discrete mathematics)

Discrete mathematics: study of countable, distinct, or separate mathematical structures.

Example (Pixel)

Phones, computer monitors, televisions, modern screens, & Disney cartoons, animated films for kids & for adults, e.g., Rick & Morty.

Some Critical Thinking Questions

Some purpose-driven questions:

- Why do undergraduate or graduate students need to learn mathematics?
- Which type of mathematics do undergraduate or graduate students need to learn?
- Why do CS-major students need to study Discrete Mathematics?

Motivations

References

- GKP89 RONALD L. GRAHAM, DONALD ERWIN KNUTH, OREN PATASHMIK. Concrete Mathematics: A Foundation for Computer Science. 2e.
 - WR21 RYAN T. WHITE, ARCHANA TIKAYAT RAY. Practical Discrete Mathematics: Discover math principles that fuel algorithms for computer science & machine learning with Python.