
Discrete Analysis Seminar

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A program to solve either the Gold partition conjecture or the $1/3$ - $2/3$ conjecture.

Given a poset P , a linear extension on P is a linear order compatible with the order in P . For example, $\{a\}$ union $\{b < c\}$ can be extended to $b < a < c$ but not to $c < b < a$.

The $1/3$ - $2/3$ conjecture states that, for every poset that is not a total order, there exists a pair of elements x and y such that the probability that x is earlier than y in a random linear extension is between $1/3$ and $2/3$. In this talk we propose a program to solve such conjecture and describe a new family of cases in which the conjecture holds.

Date: 21st June, 2023

Time: 11:00am - 12:00pm

Location: 262, Science Building



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주최: 4단계 BK21 수리과학 및 계산교육 연구단

