Why

Result

PROPOSITION **1.** *Every event in the tail sigma algebra of a sequence of independent random variables defined on the same probability space has probability zero or one.*

Proof. □

Zero One Law

Tail Sigma Algebra

Sequences   Set Operations

Families   Operations

Functions

Relations

Cartesian Products

Ordered Pairs   Set Powers   Natural Numbers

Unordered Triples   Successor Sets   Intersection of Empty Set

Pair Unions   Set Symmetric Differences   Set Intersections

Set Unions   Set Complements   Pair Intersections

Unordered Pairs   Empty Set   Set Differences

Set Specification

Set Inclusion

Standardized Accounts

Definitions   Accounts

Deductions   Quantified Statements

Logical Statements

Statements

Identities   Sets

Names

Objects   Letters