# Towards formal verification

## Linear temporal logic as finance's execution environment

Quinn Dougherty | quinn@casper.network

# Introduction
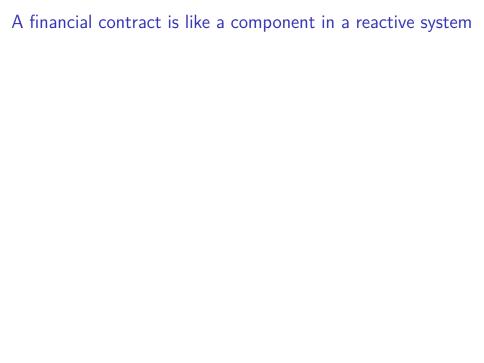
Quinn Dougherty of Casper Association

# About Linear Temporal Logic (LTL)
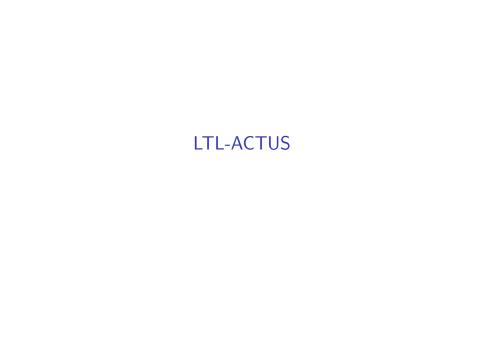
Used in the formal verification of reactive systems

An example reactive system is a traffic light

A financial contract is like a component in a reactive system

# Logic

# Linear Temporal Logic

ACTUS

LTL-ACTUS

# Demo