10 mins

**Introduction (2 mins):**

Personal introduction: (30s-45s)

: structure

Usage: mathematical model, test different spec with non-functionality and functionality testing.

TLA+ is a high-level language for modeling programs and systems, such as Ds.

The TLA Toolbox is an IDE (integrated development environment) for the TLA+ tools.

贴图：Lamport、TLA+ toolbox、 logo

报告：软件对比

**Basic idea: (1.5min)**

Model: state machine + BFS

Check: invariant

Validation idea: 三段论

贴图：BFS + 三段论公式

**Language: (2.5min)**

按照三段论来说

贴图：代码图

**Usage of toolbox: (1min)**

Basic using

“Remove”

贴图：

**Demo introducing: (**

Start from PNs assignment Question2

Extension: PNs assignment Question1

DAs

**More information and acknowledge:**