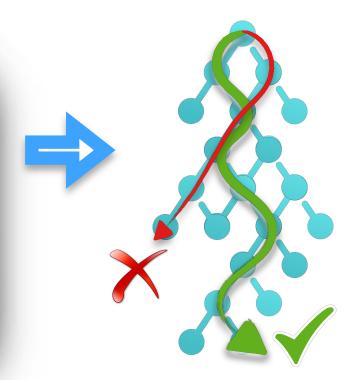
## Passive learning

Identifying system behavior from observations, and representing it in the *smallest* possible model.





### An Experience Report on Applying Passive Learning in a Large-Scale Payment Company

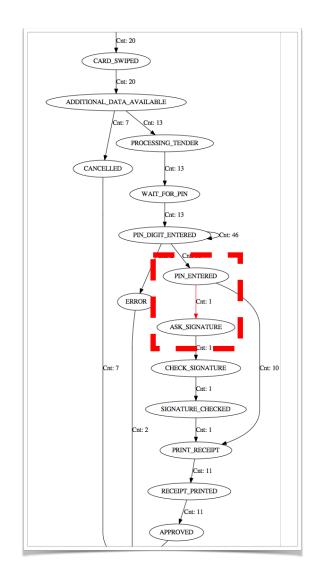
MUCK WIEMAN", MAURICIO ABICRE", WHIEM LOBDEZOO", SICCO VETWET, ARE VAN DEUTSCH.

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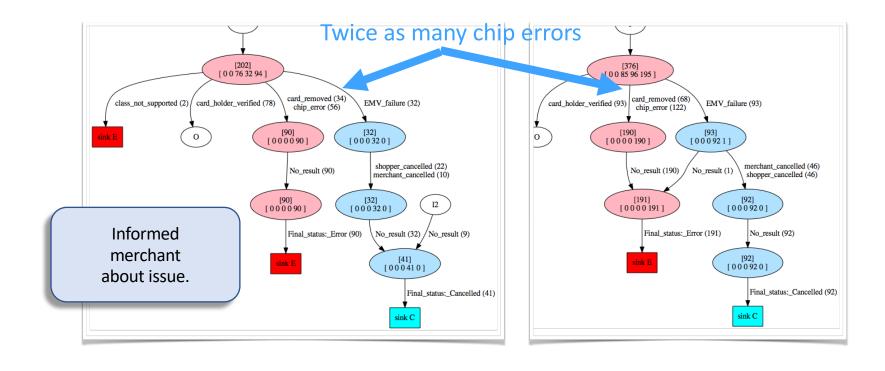
Rick Wieman, Maurício Aniche, Willem Lobbezoo, Sicco Verwer and Arie van Deursen. An Experience Report on Applying Passive Learning in a Large-Scale Payment Company. ICSME Industry Track, 2017

# Use Inferred Models to Analyze: Bugs in Test Phase

- Terminal asked for PIN
- AND asked for signature
- Domain expert noted this unwanted behavior in inferred model.
- Fixed before it went into production



## Use Inferred Models to Analyze: Differences Between Card Brands



## Use Inferred Models to Analyze: Time out problems

