f(x) = x Papers We Love

Hello, Göteborg!

What is Papers We Love?

- Love for science & technology
- Collaboration!
- Community

How do we love 'em papers?

Common practice:

- Speaker presents
- Discussion not just Q&A follows
- Talk about the next one

State

Meetup:

https://www.meetup.com/Papers-We-Love-Gothenburg

Github:

https://github.com/papers-we-love/gothenburg

Communication

• Slack: #pwlgot on https://paperswelove.slack.com/

• Twitter opwlgot

How often should we meet?

- Once a month (Just 12 papers a YEAR?!)
- Twice a month
- Every week

Let's experiment?

What can you help with?

Offline stuff

- Hosting, booking / finding a meetup location
- Speaking
- Ideas for the next meetup
- Sponsor / finding sponsors
- Social media (Swedish)
- Co-organizer!

(meetup poll)

Presentation by Victor

Entscheidungsproblem

- It's a landmark!
- Practical implications
 - HUGE implications IF such an algorithm did exist
 - Solvable in "special cases" (eg: pres. Arithmetic, static type systems)
 - General approach:
 - Define the problem statement in a specific logic
 - Define the model
 - Use a model checker to check if the statement holds in the model

Reduced forms

- Halting problem
- .

Type checking

• In principle, a type checker could find *all* errors in a program

```
sort: List -> List
sort: (x: List) -> (y: List) & sorted(x,y)
```

Propositions as Sessions

Next meetup?

- Weekend or weekday?
- Topic?

Thank you!