



# Social Software Testing Approaches

Maaret Pyhäjärvi



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# What Social at Work Usually Looks Like

Planning

PI Planning

Sprint Planning

Backlog Refinement

Three Amigos Sessions

Daily Meetings

Hallway Whiteboarding

Doing

???

Traditional Pair Testing

Strong-Style Pair Testing

Ensemble (Mob) Testing

Bug Bashes

GenAI Pair Testing



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Why?

Co-generate options

Choose to try, choose through doing

Practice (doing) over theory (plan)

Avoid ping-pong

Timely feedback

Build more skilled empathetic colleagues



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# Resistance!



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A talk on a strange idea:  
Mob Programming

“A ridiculous idea -  
I need to experience it 1<sup>st</sup> hand”



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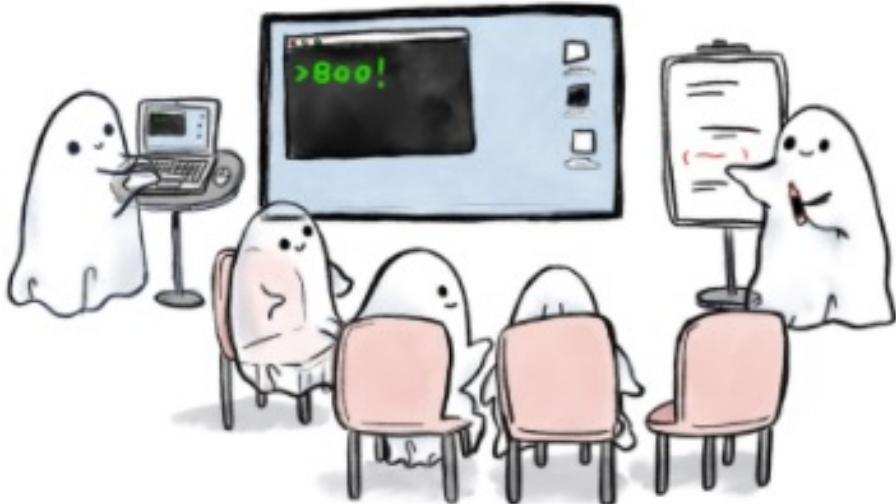






# ENSEMBLE PROGRAMMING GUIDEBOOK

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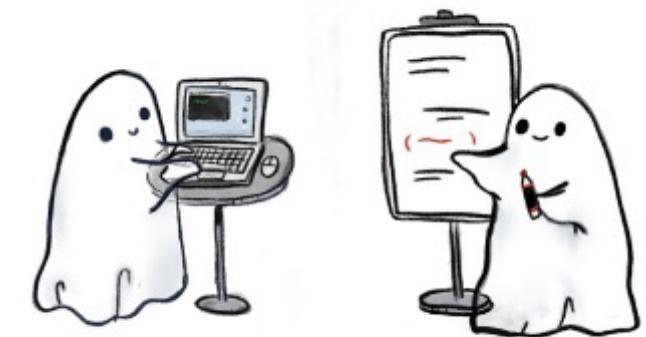
## Strong-Style Pair Programming



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## EXPLORATORY TESTING

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<https://ensembleprogramming.xyz>

<https://strongstylepairprogramming.xyz>

<https://exploratorytesting.xyz>

<https://bst.courses/blog/social-software-testing-approaches/>



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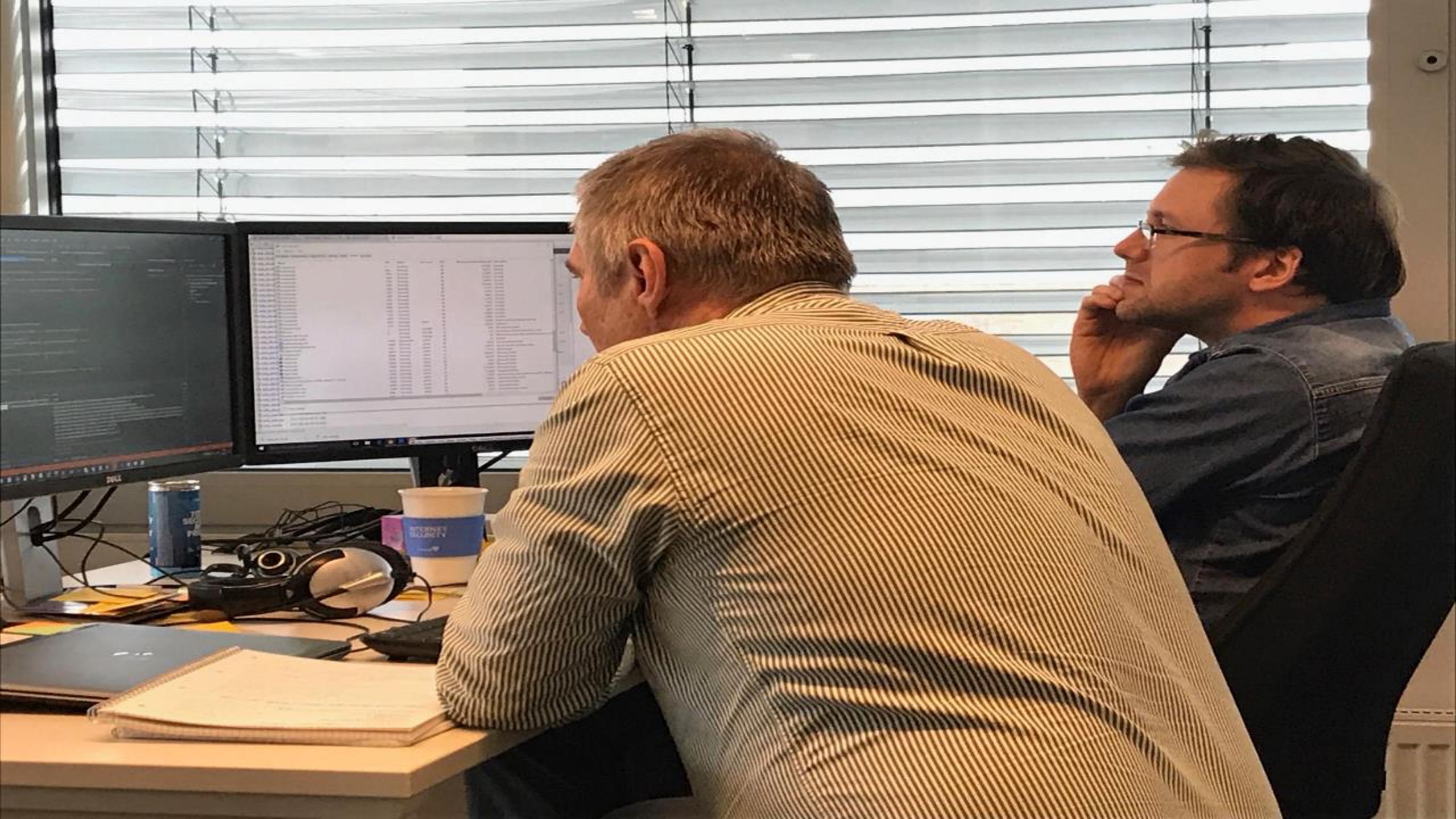
# Our Options



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Driver (**Hands**)



Navigator (**Brains**)



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# Comparison

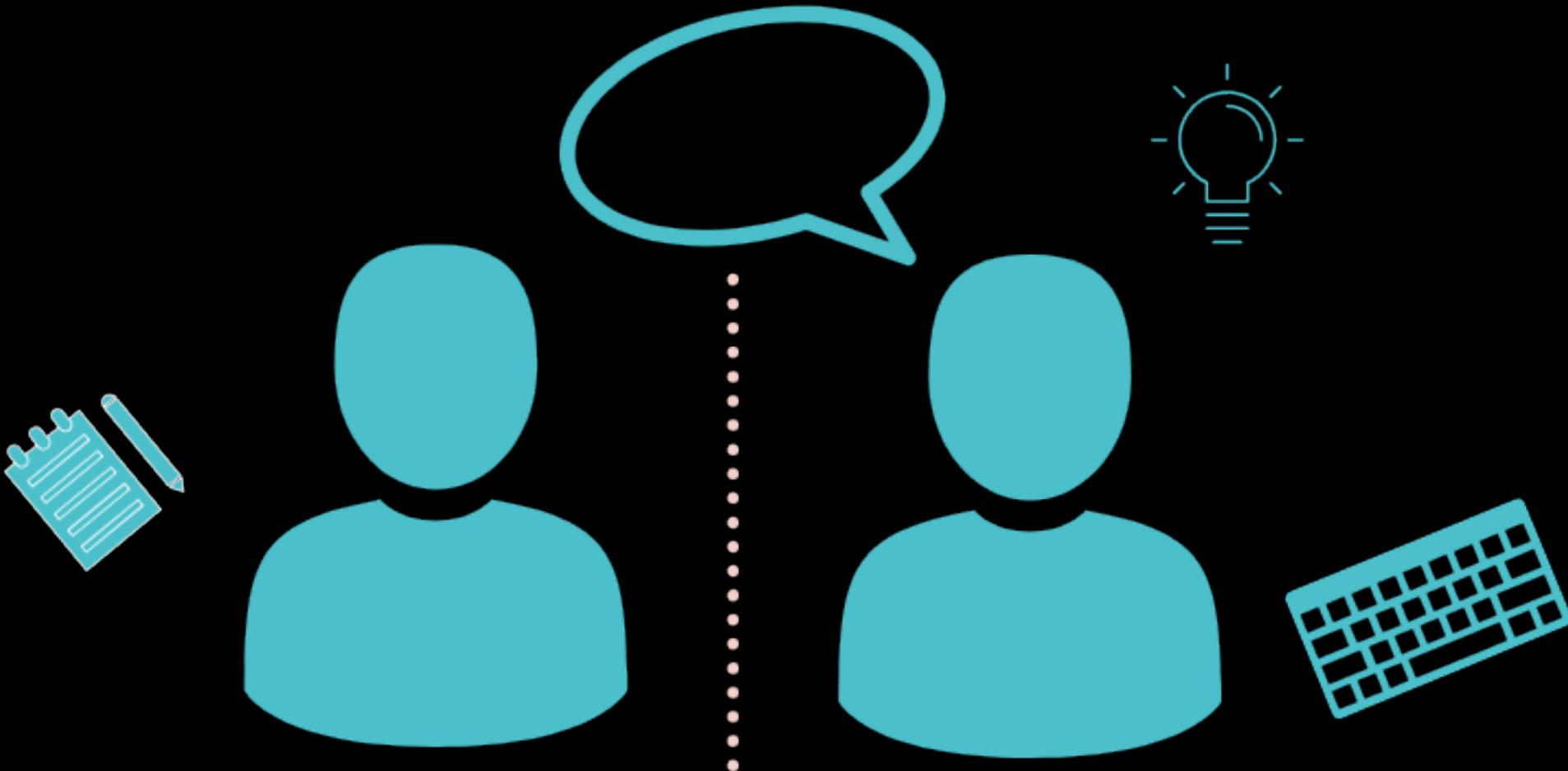
Traditional

I have an idea...  
Give me the keyboard

Strong Style

I have an idea...  
Please take the keyboard

# traditional pair testing



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# Strong-style pair testing

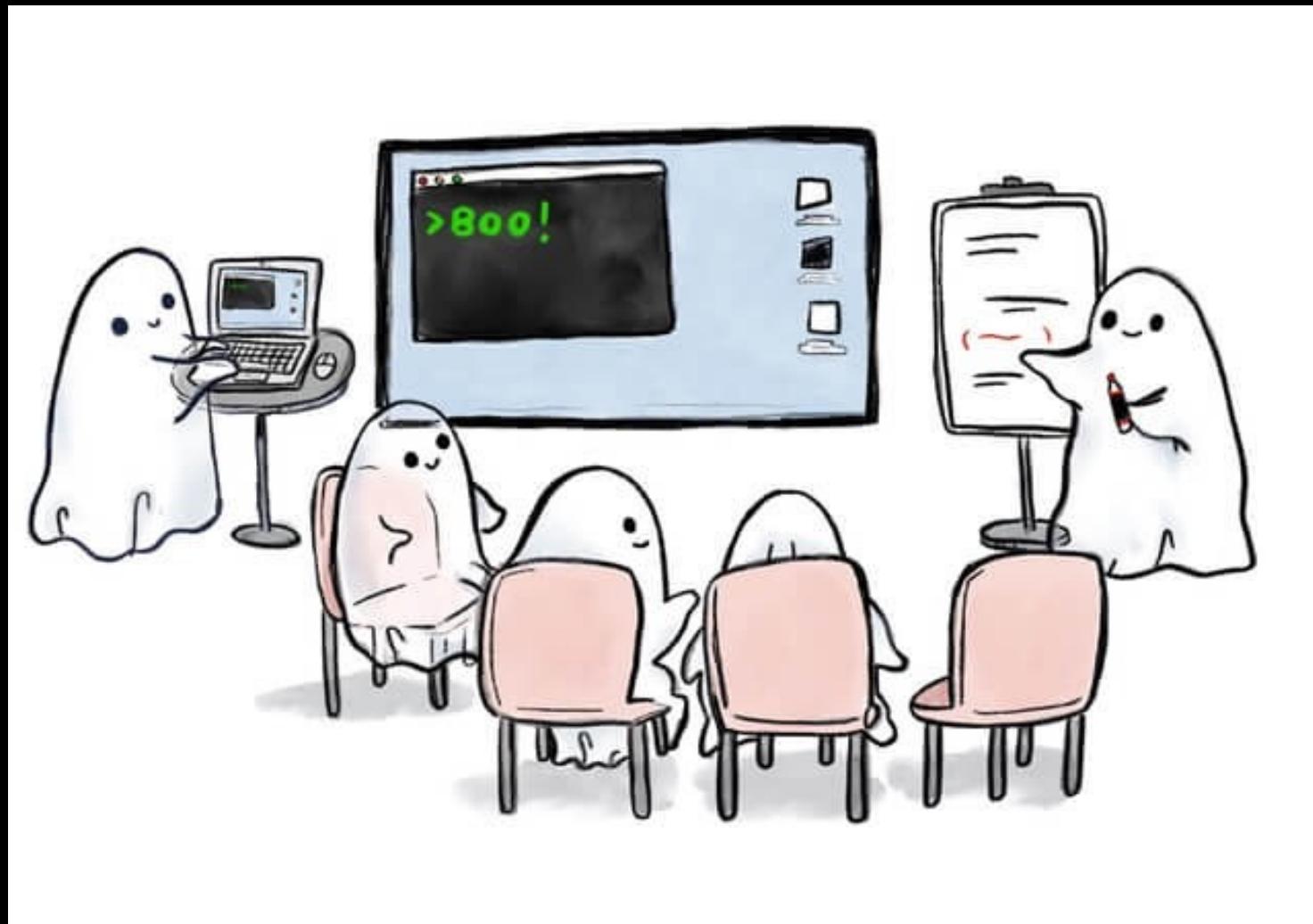


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# ensemble testing



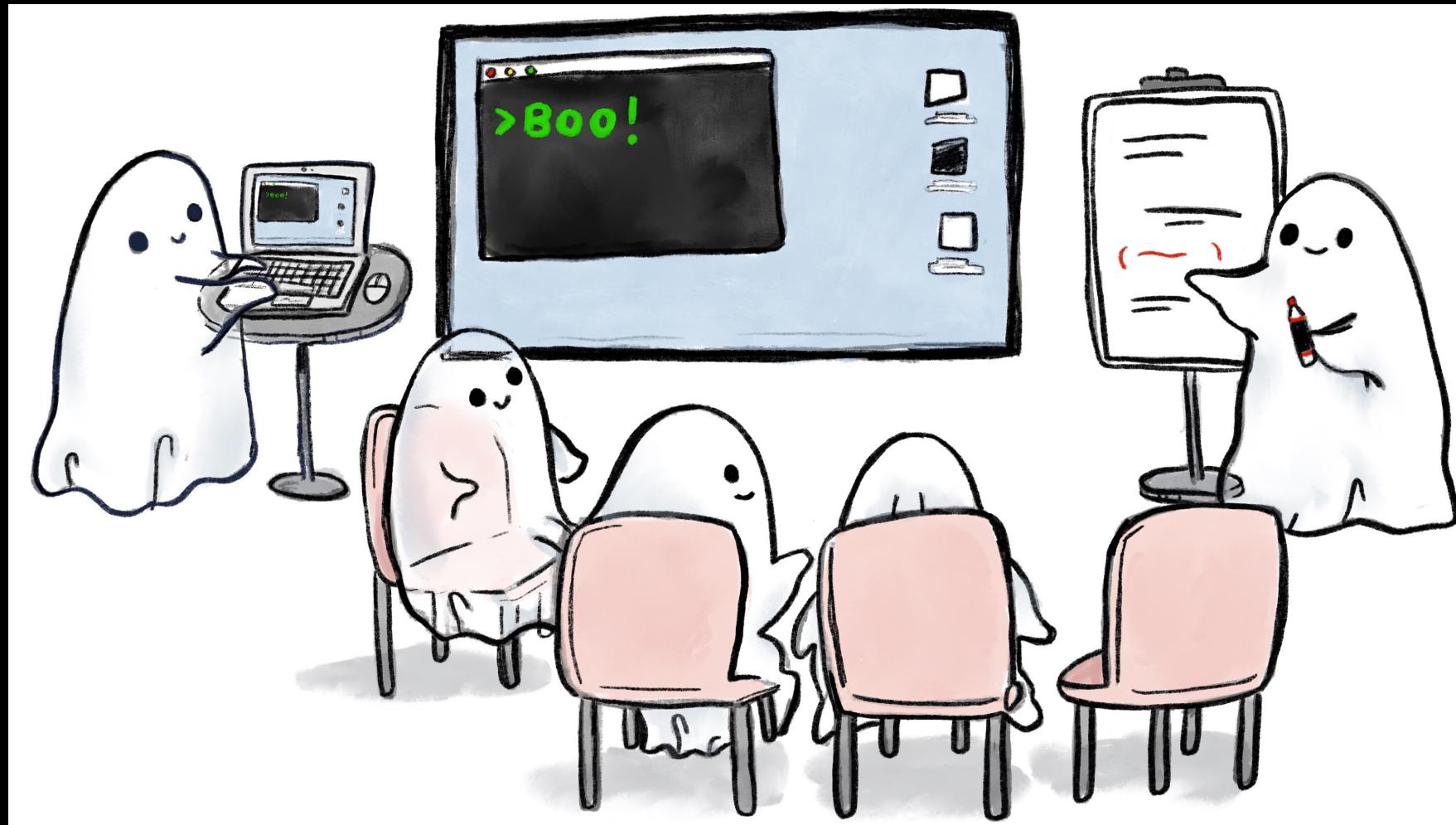
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Driver (Hands)

Designated Navigator (Voice)



Navigators (Brains)



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*bug bashes*

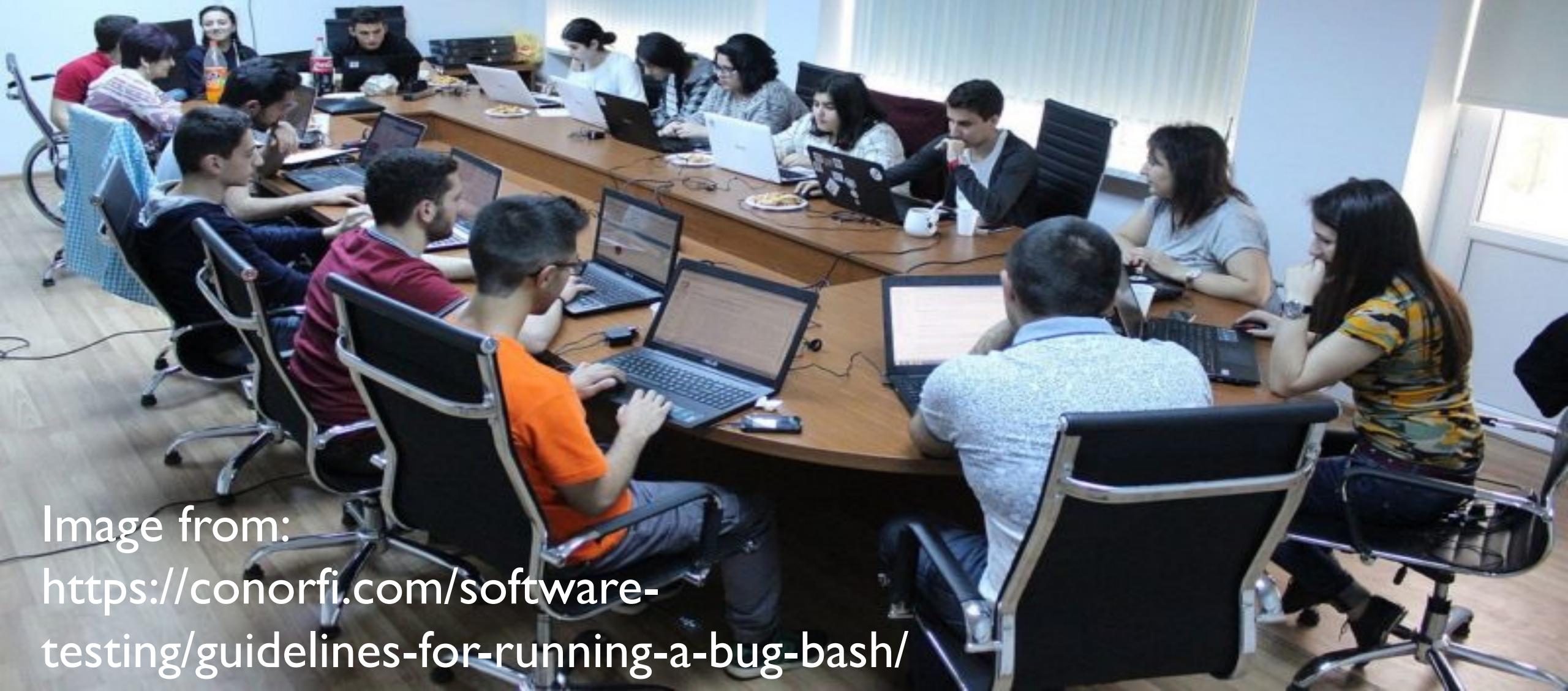


Image from:

<https://conorfi.com/software-testing/guidelines-for-running-a-bug-bash/>

# Making Your Choices

Approach	Best Used For
Traditional Pair Testing	Working together in an equal pair requiring little rule assistance.
Strong-Style Pair Testing	Working together in an unequal pair.
Ensemble Testing	Learning and innovating a shared way of working.
Bug Bashes	Seeing problems from many perspectives.

# Social Software Testing Approaches are Great for...

- Larger organizations where functional silos continue to exist (**Testers get together to test**)
- Agile teams where we need to share testing skills (**Teams get together to test**)
- Teaching anything testing related to a group (**Training group gets together to test**)
- Introducing testing perspectives to programming activities (**Testers joining ensemble programming**)



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# Social Software Testing Approaches on Tour

- From healing my loneliness
- To Lisi Hocke's testing tours
- To many people on tour

None of this new style of deep, serendipitous learning would be possible without the social software testing approaches

Unit of APIs Select color Browser BrowserTest Report BrowserTest Log

File Edit View Navigate Code Behavior Run Tools Help rfw-allsorts - checkbox.robot - PyCharm

rfw-allsorts > checkbox.robot

Project Requirements.txt BrowserTest.robot checkbox.robot outputXml

\*\*\* Settings \*\*\*  
Library Browser  
  
\*\*\* Test Cases \*\*\*  
Checkboxes  
    open browser http://selenium.thinkcode.se/selectColor

Terminator Local +  
1 test total, 1 passed, 0 failed  
=====

Output: C:\rfw-allsorts\output.xml  
Log: C:\rfw-allsorts\log.html  
Report: C:\rfw-allsorts\report.html

(beacon-cloud-webportal) C:\rfw-allsorts>robot checkbox.robot  
=====

Checkbox  
Checkboxes

Event Log 16:19 2020-07-15 37

TODO Terminal Python Console

Windows Taskbar icons



# Learning or Contributing



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# Accidental Learning by being Intentional about Learning



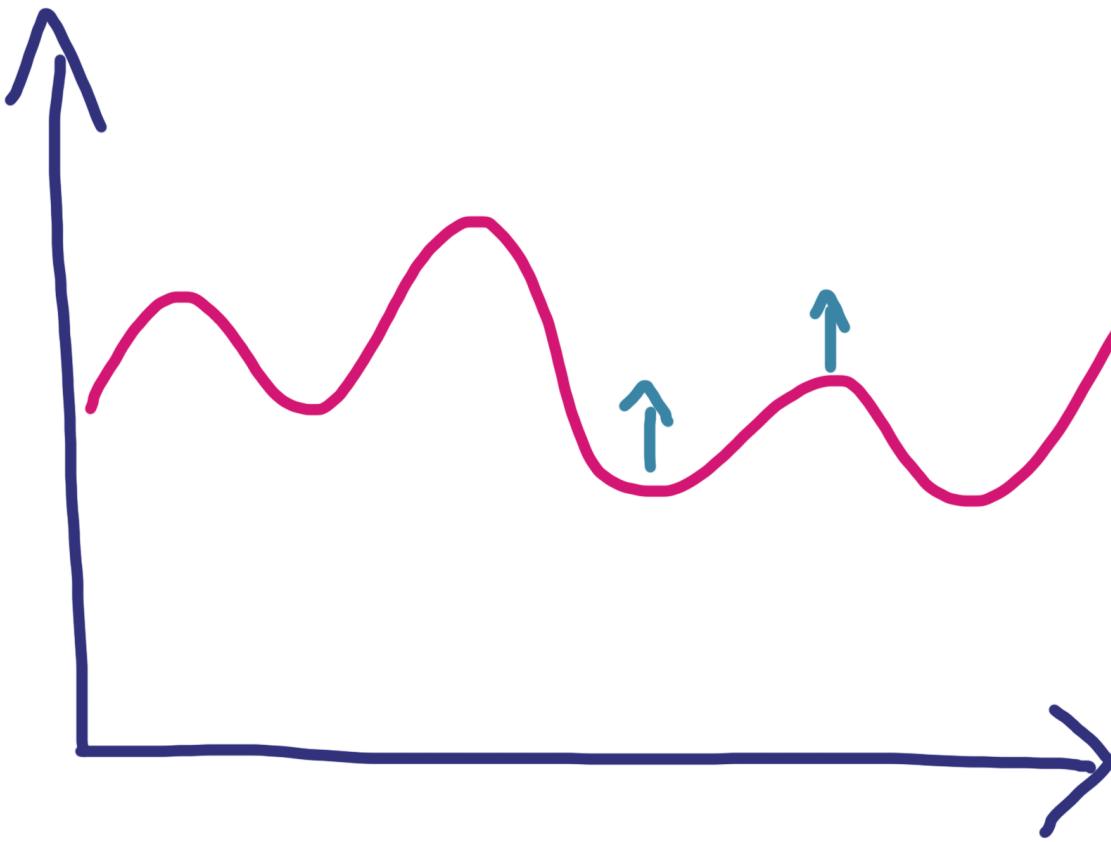
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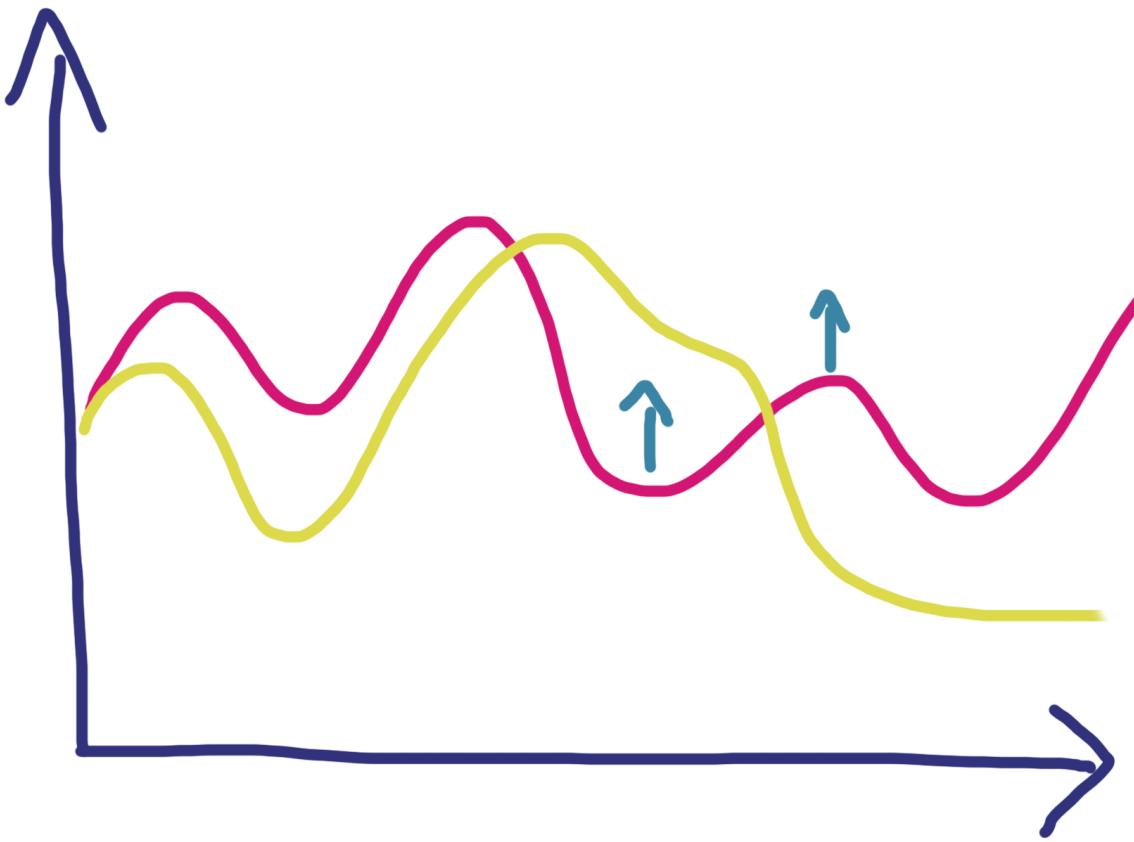


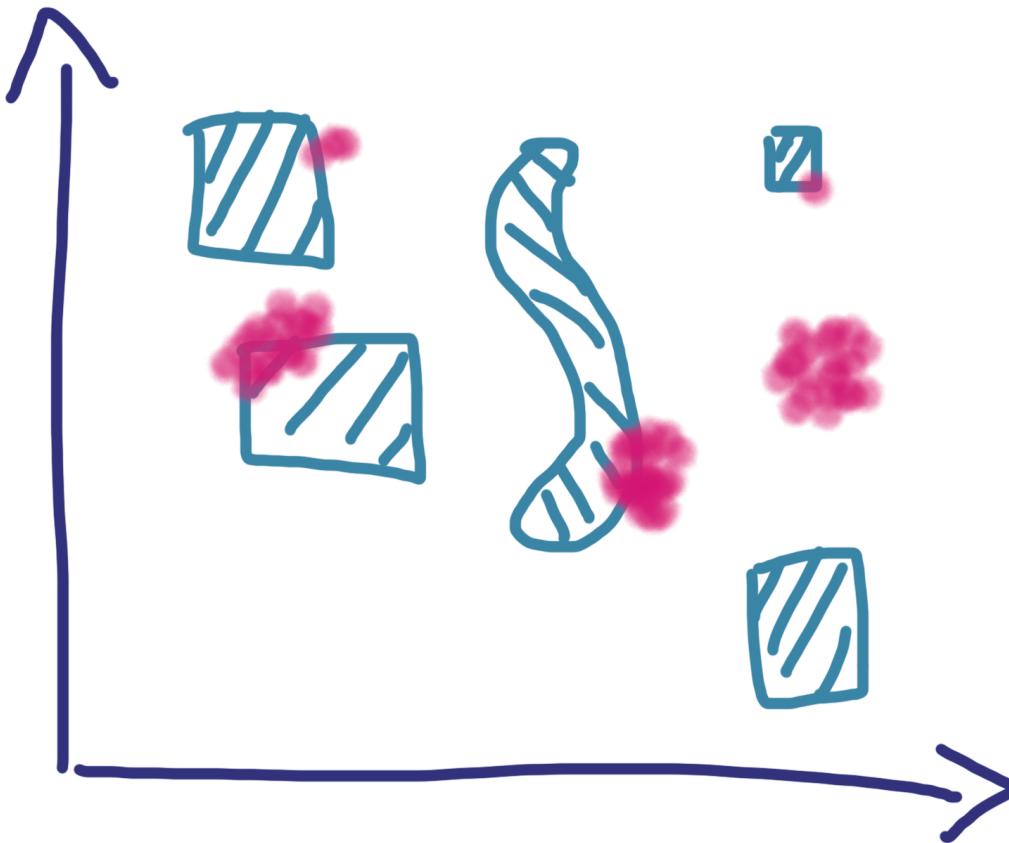
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$$1.01^{52} = 1.7$$

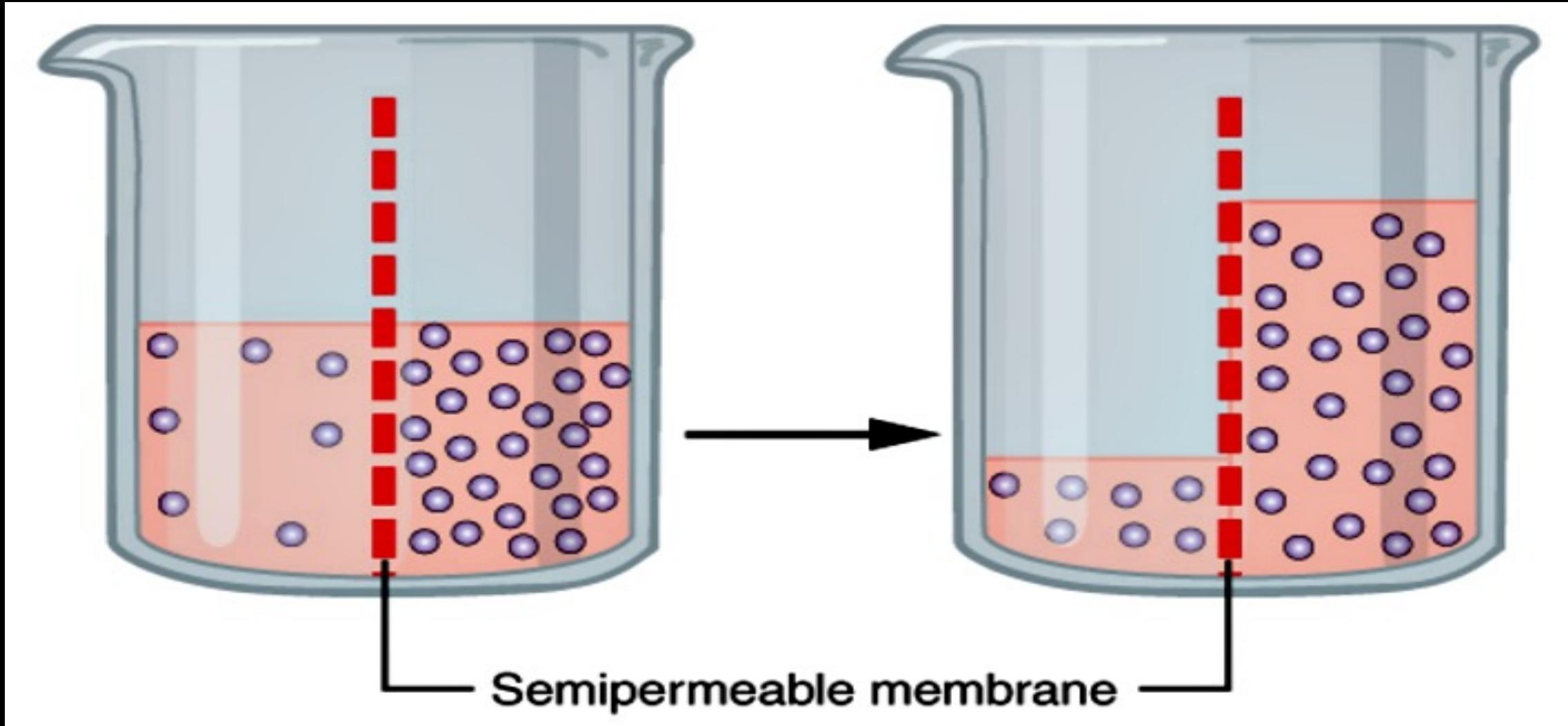
$$1.01^{365} = 37.8$$

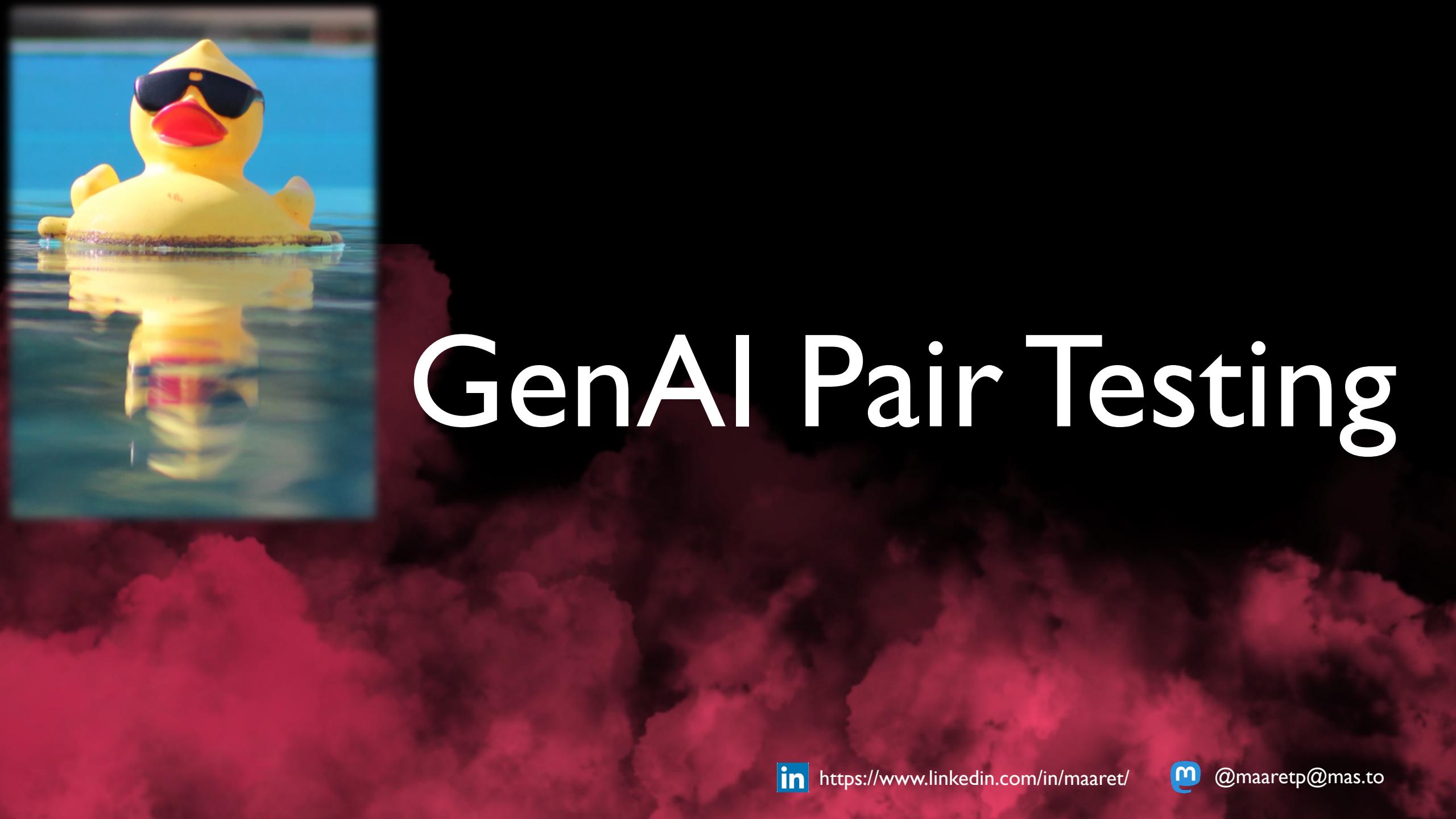






# Learning Through Osmosis





# GenAI Pair Testing



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I had great ideas even when I  
did not know how to turn  
them into code – removing  
**the distance** is worth the  
struggle.



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When developers like each  
other, code review is  
known as **pair**  
**programming.**



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2020



Most Influential Agile Testing Professional Person

2016



2019 - 2023

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(please connect with me through  
Mastodon or LinkedIn)

#PayToSpeak #TechVoices  
#EnsembleTesting #EnsembleProgramming #StrongStylePairing  
#ExploratoryTesting #TestAutomation  
#ModernAgile  
#ContemporaryExploratoryTesting

*Legacy*  
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