

The Pair Programming Show

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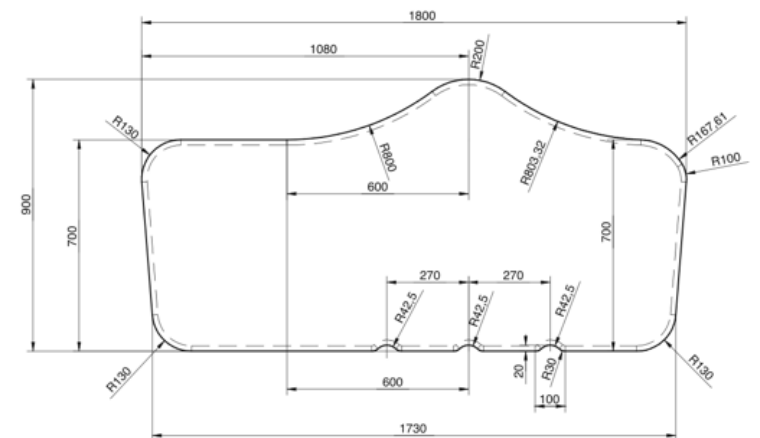
factor10



How to teach pair programming?

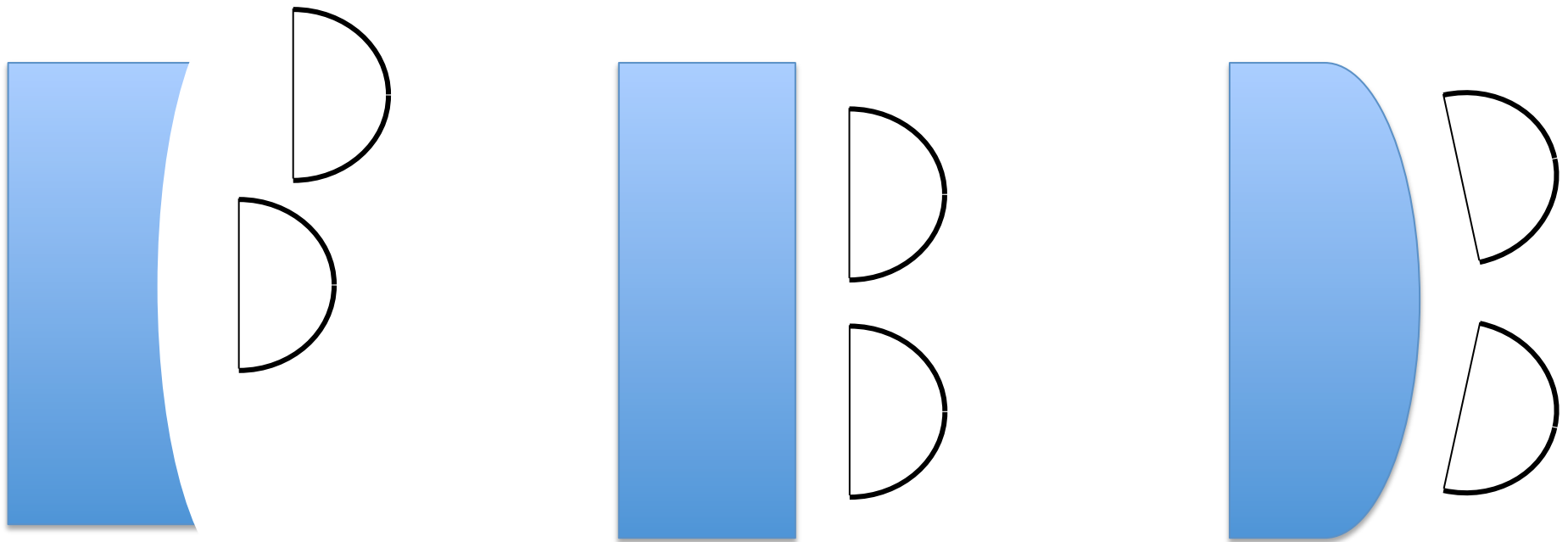
Talk about it or show how to do it?

Let's build the stage!

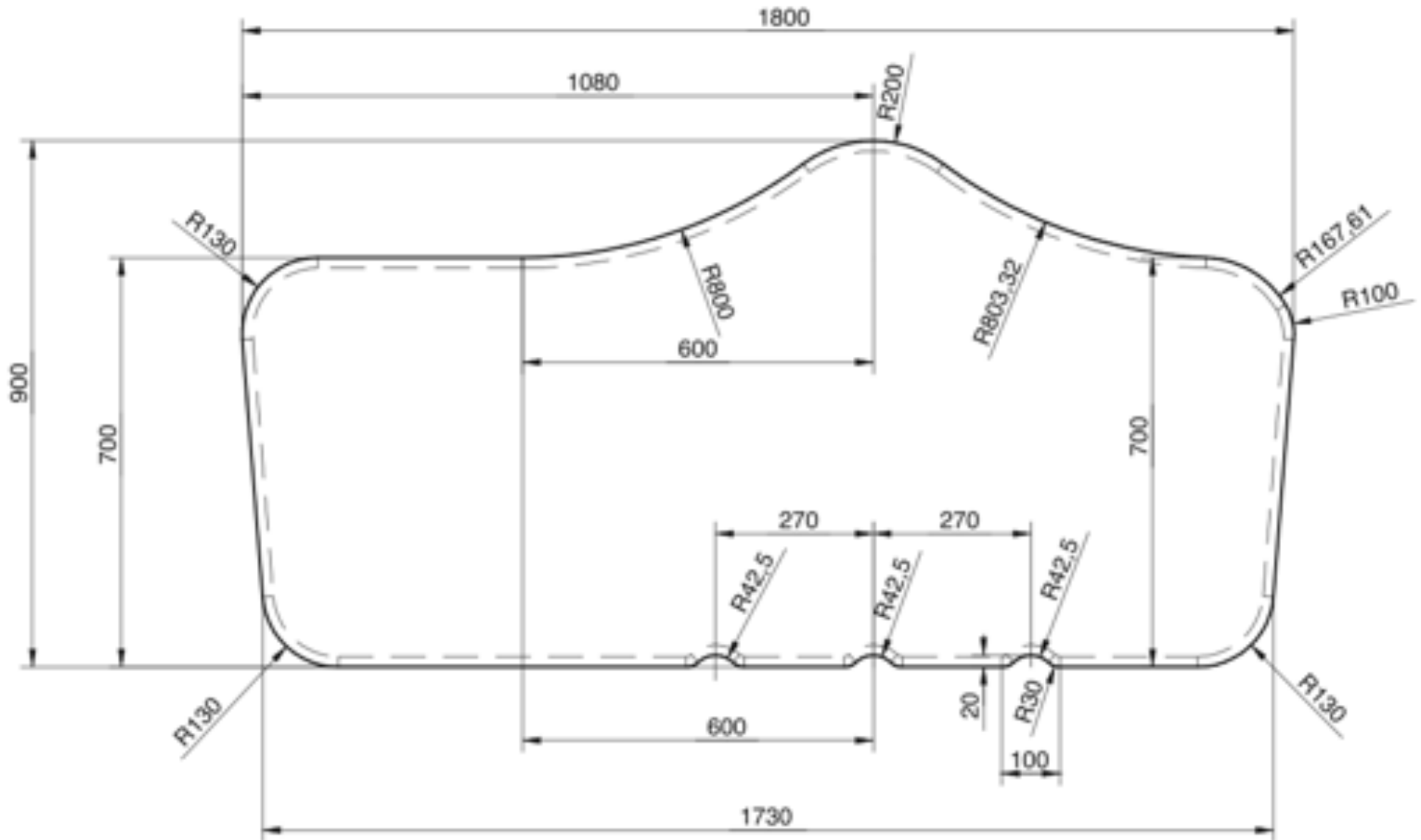


Rearrange Furniture

How the desk can stop you from pair programming



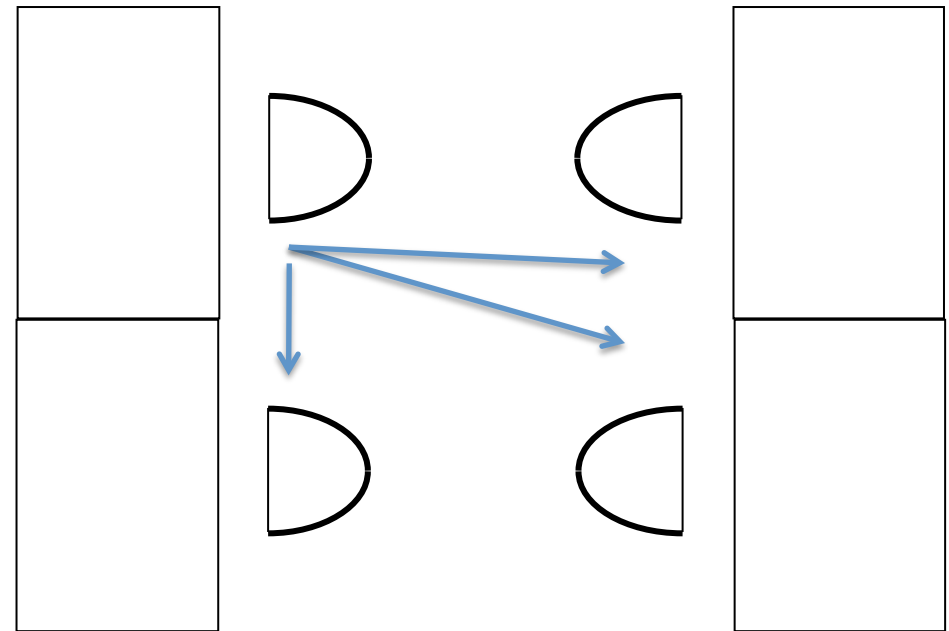
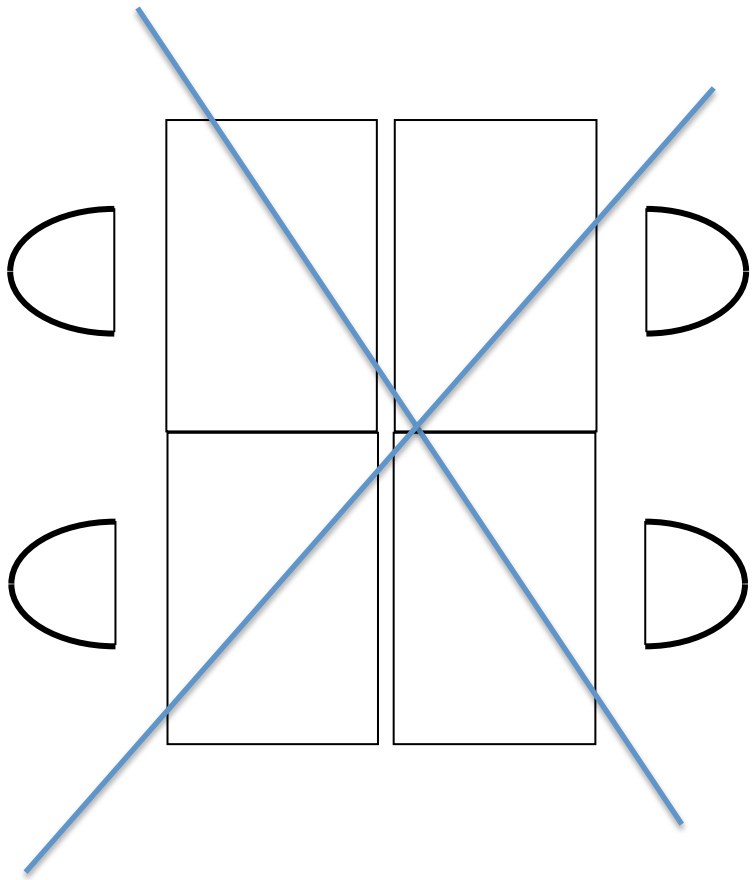
Pair Programming Desk



<http://factor10.com/desk>

How to arrange the furniture

Hans favorite



Episode I: The Flow

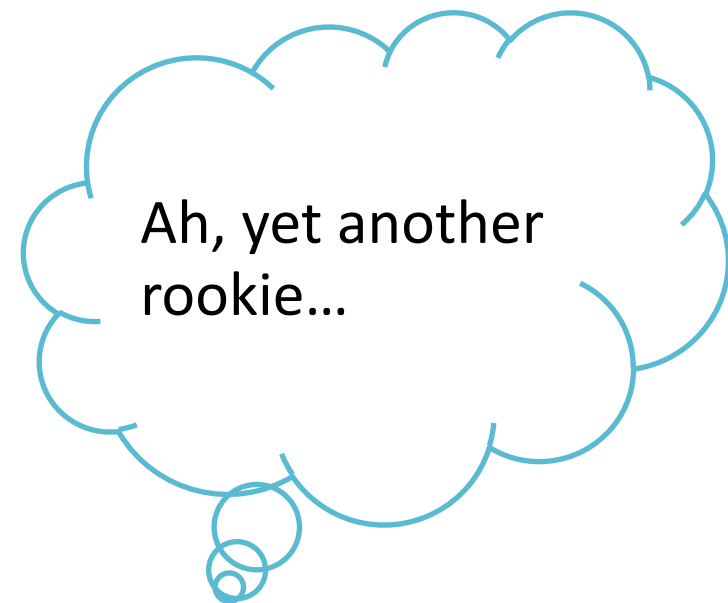
Episode: The Flow Summary

- A lot of conversation
- Both helps toward a common goal

Episode II: The Professional Driver

Episode: Professional Driver

New kid on the block



Episode: Professional driver


Summary



- What to do instead?
 - Be patient!
 - Transfer knowledge
 - Talk, not show
- Pair programming is about
 - Communication
 - Learning
 - Cooperation

Skill Levels

- Different skill levels
- Same skill level
- Complementary knowledge



Episode III a: Not Engaged Backseat Driver



Episode III b: Not Engaged No Shared Mind

Driver and Navigator



Would you rather have only one?

Driver and Navigator



We do it all the time!

The Roles

Driver

- Next line of code
- Syntax
- API calls
- Class under development

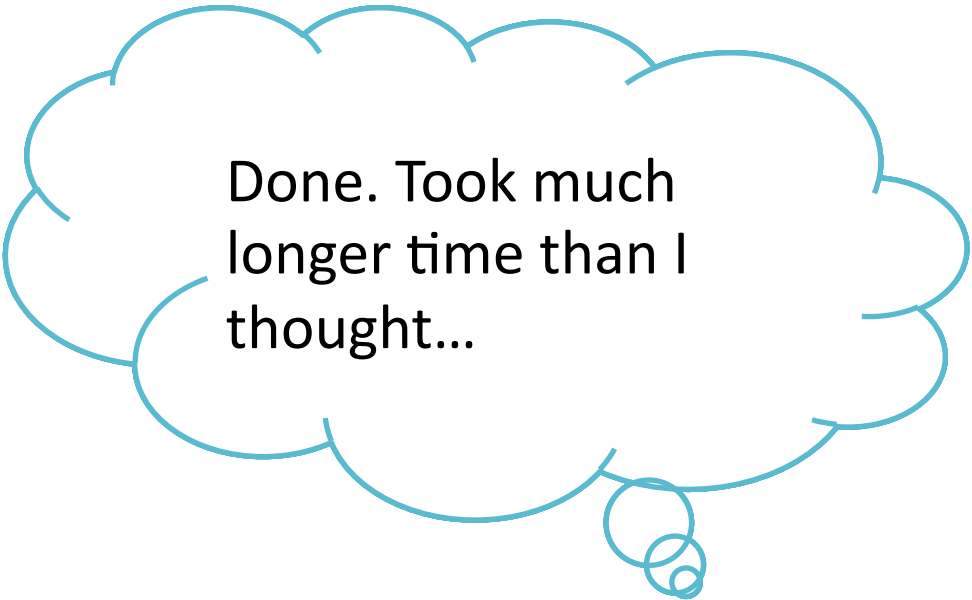
Navigator

- Code Review
- Are we doing the right thing?
- Are we doing it right?
- Requirements
- Alternatives
- What's next
- Impact on other parts of the system

Episode IV: One or Two?

Episode: One or Two?

12:00

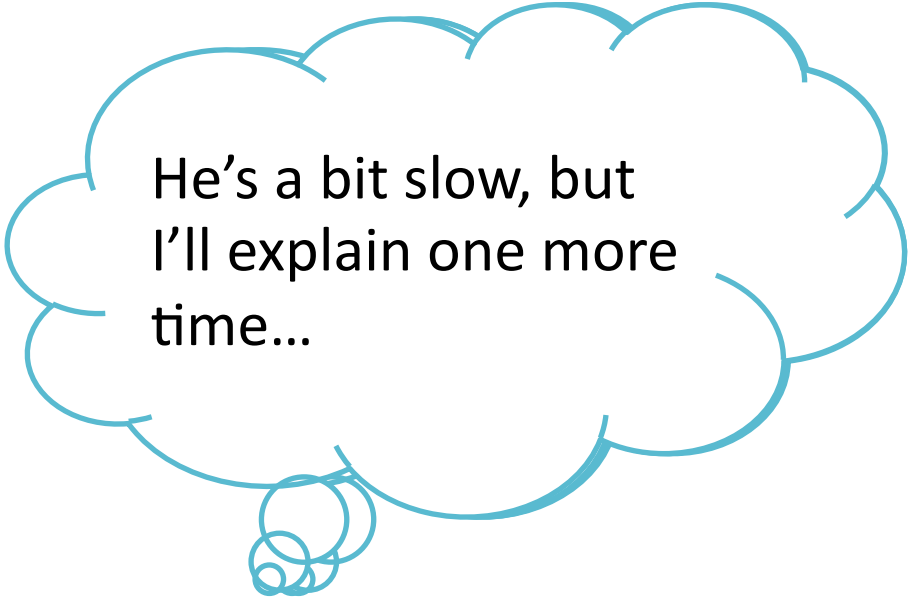


Done. Took much longer time than I thought...



Episode: One or Two?

Episode: One or Two? **19:00**



He's a bit slow, but
I'll explain one more
time...

Episode: One or Two?

10:00

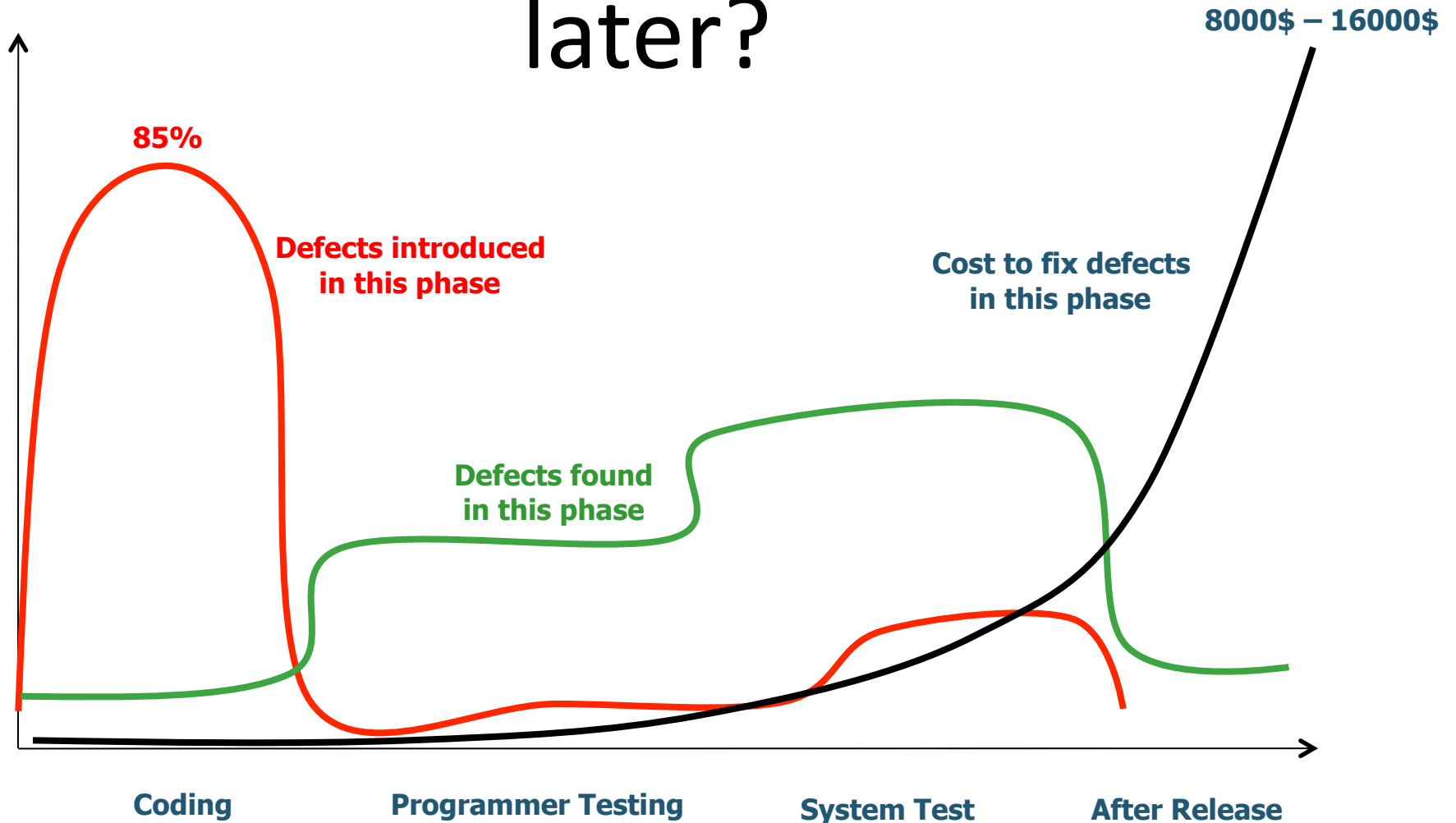


Episode: One or Two?

12:00



Why find bugs earlier rather than later?



Economics

- -15% fewer defects
- +15% longer programming time
- -50% Cycle Time / Time To Market
- Reduced risk of losing key person
 - Two knows the code
 - Happier, 90% likes it better than programming alone
 - 96% is more confident while pair programming

Episode V: Coping with Pressure

Episode: Coping with Pressure



Episode: Coping with Pressure

Summary

- What happens next?
- What would have happened if you were alone?

Episode VI: The Untouchables

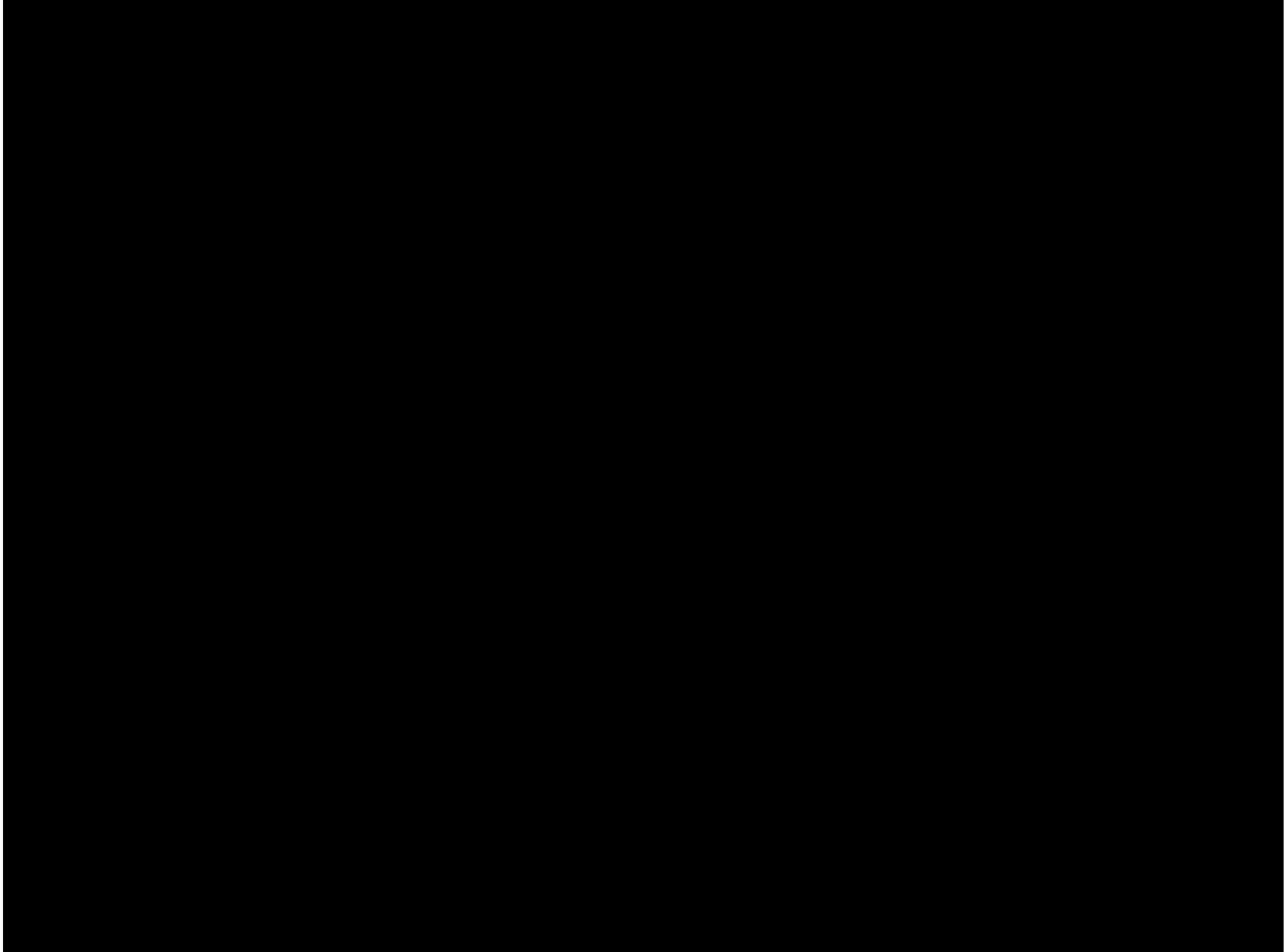
Episode: The Untouchables





Episode: The Untouchables

New Companion



Summary of the benefits

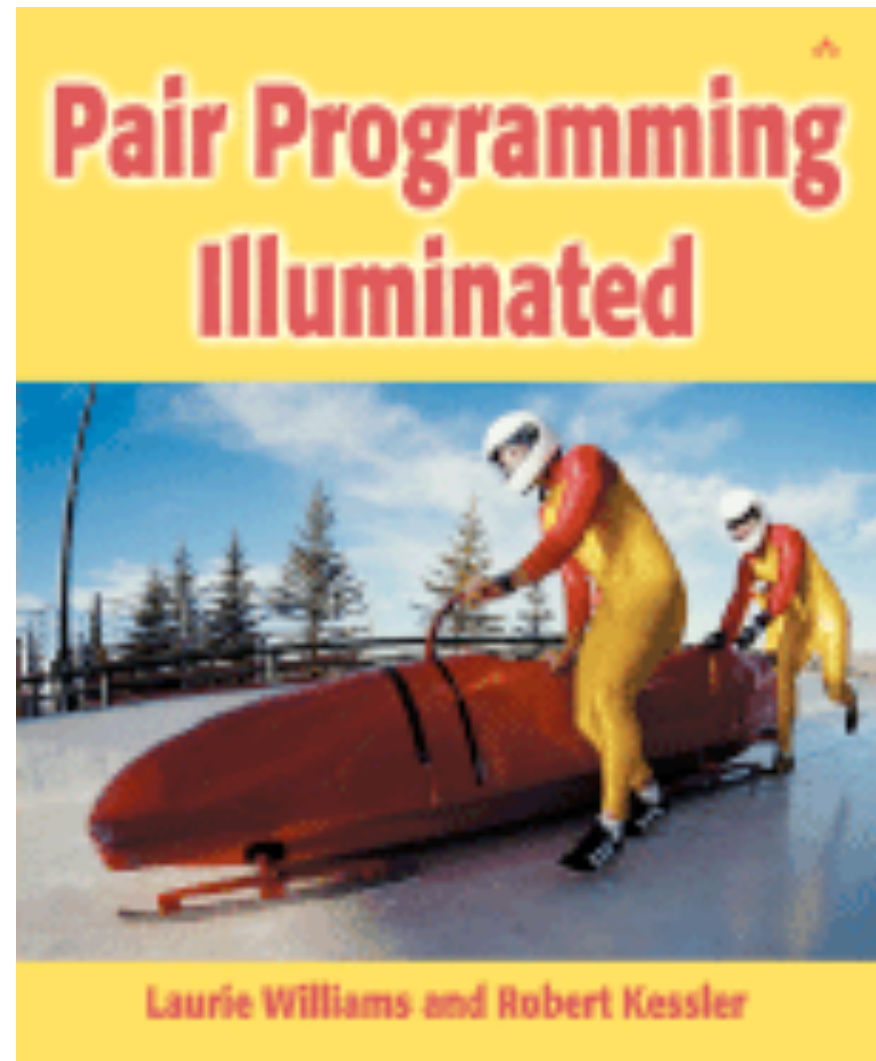
- Continuous review
- Less defects / defects caught early
- Improved design quality
- Problem solving
- Economical
- Pair pressure ensures delivery
- Transparency
- No private backlogs
- Quick learning of new team members
- Less distractions / higher productivity
- Team building and communication
- Courage

Credits

- Thanks to Aslak for his voice
- Sounds from www.freesound.org, thanks to
 - Accident sounds
 - User :: audible-edge
 - User :: Sparrer
 - User :: THE_bizniss
 - SMS and Phone
 - User :: manxopar
 - User :: Regenpak

Recommended reading

- Pair Programming Illuminated
- Laurie Williams, Robert Kessler
- ISBN 0201745763



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