

# Your team vs kebab place!

Theory of constraints – primary DevOps element – explained!



## Konrad Otrębski



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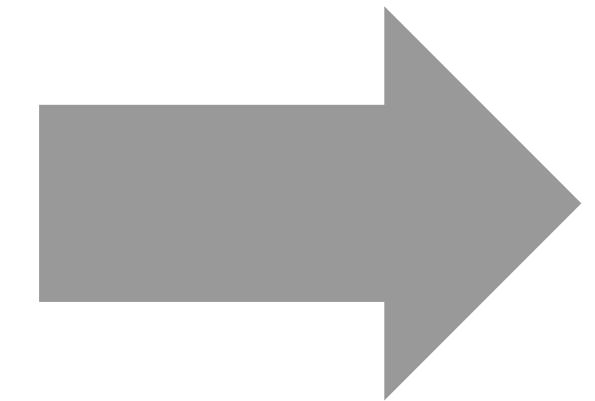


# Learning!

?????????

Operations in general

Theory of  
Constraints

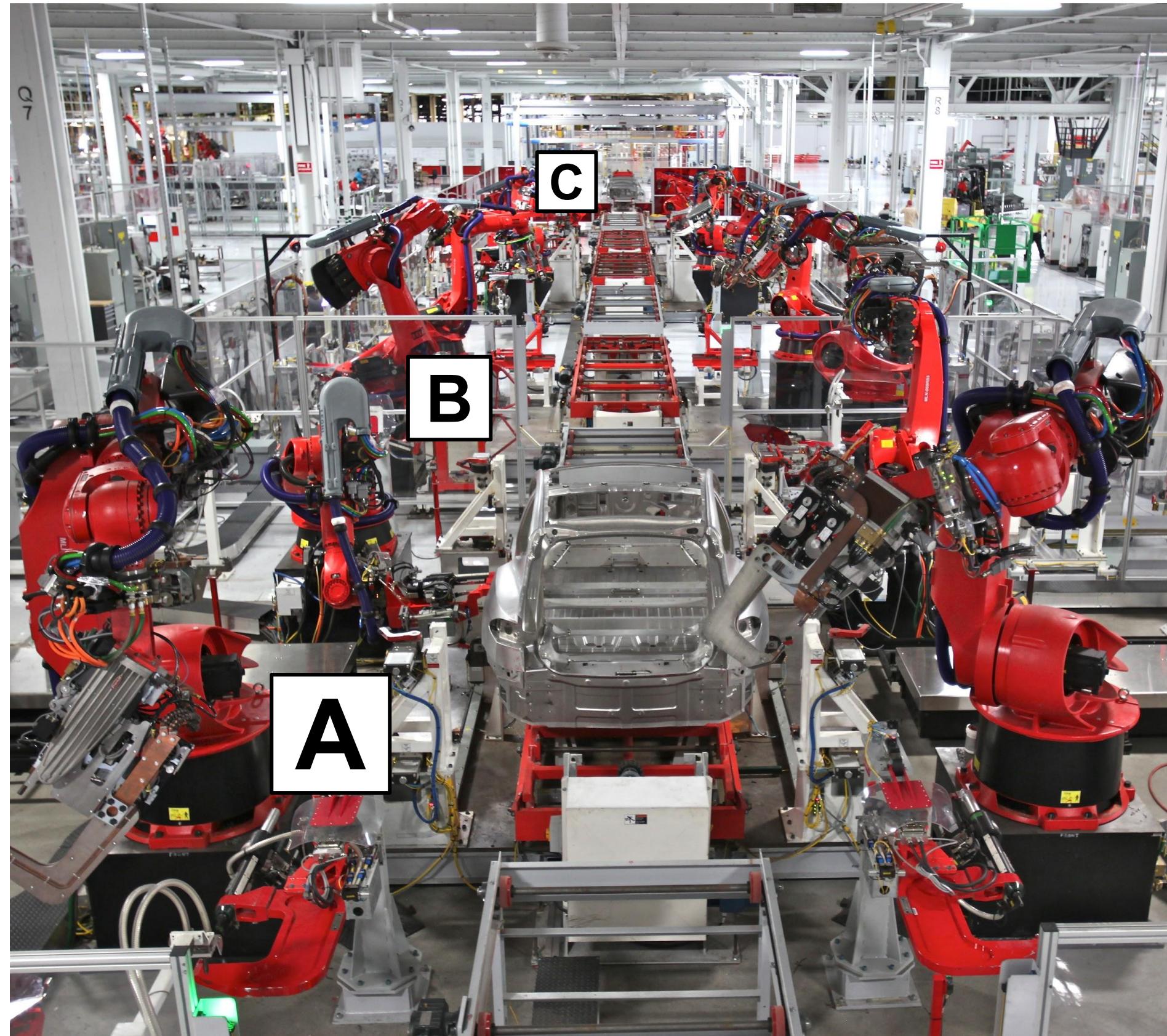


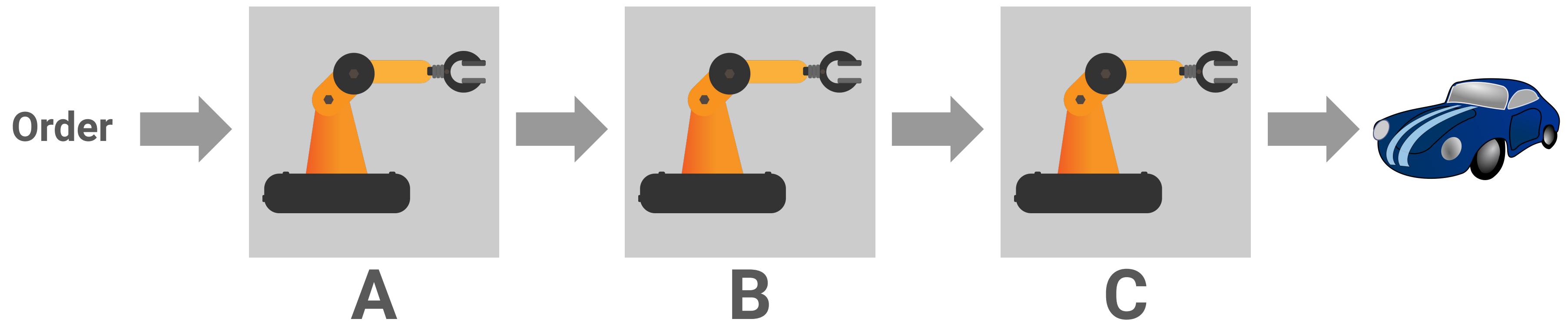
Software delivery

DevOps

# We all work in a factory

YOUR TEAM vs KEBAB PLACE! Theory of constraints – primary DevOps element – explained!







GRILLHÄHNCHEN



BÖREK TELLER



LAHMACUN

# DÖNERTREFF DÖNER & GRILLHENDL



DÖNER TELLER



PIZZA



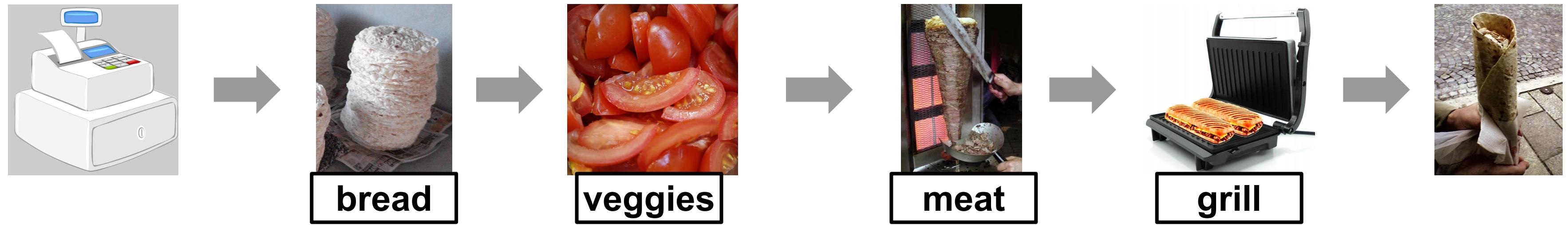
FALAFEL DÜRÜM

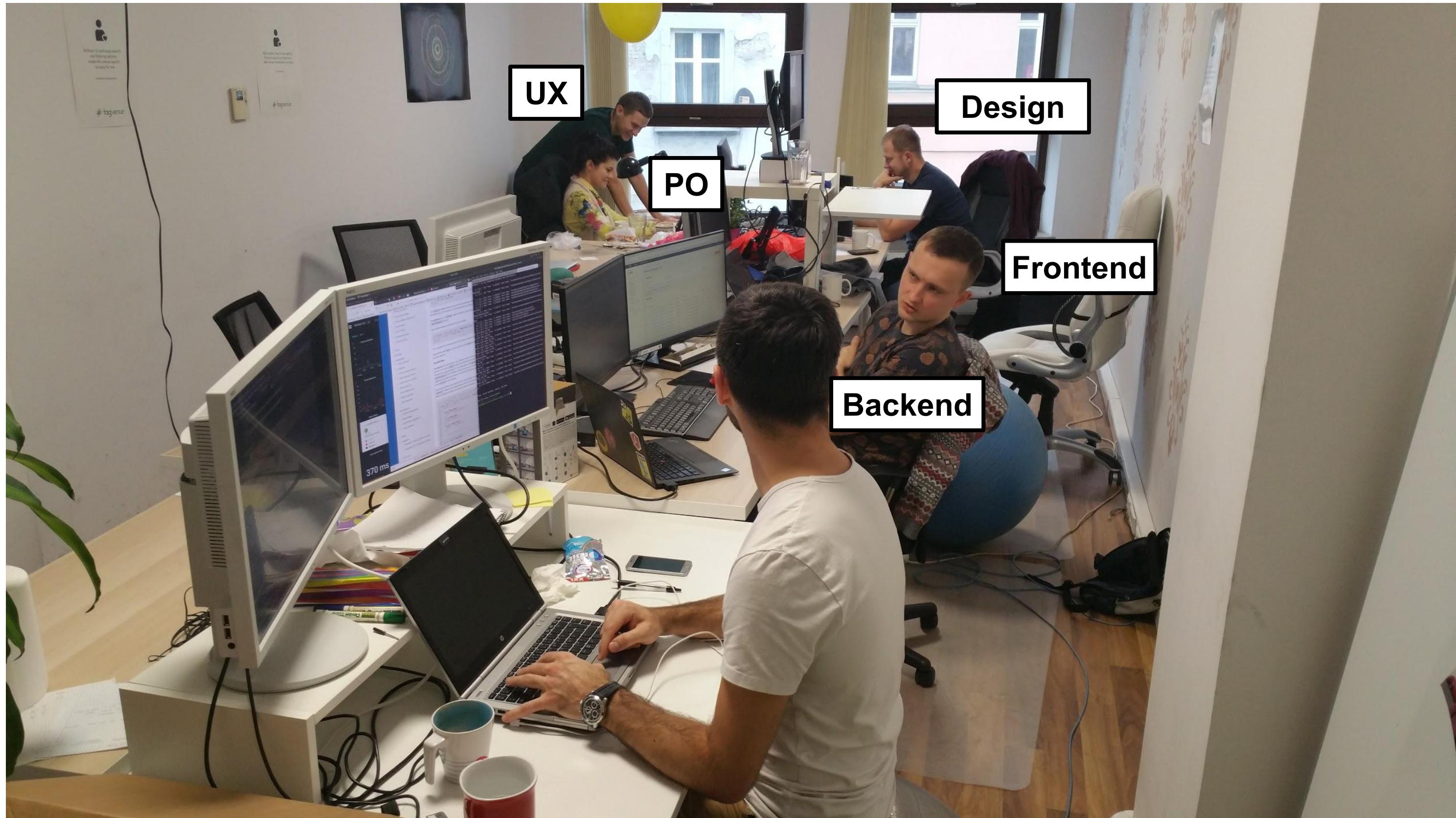


DÖNER BOX

## DÖNER Kebap







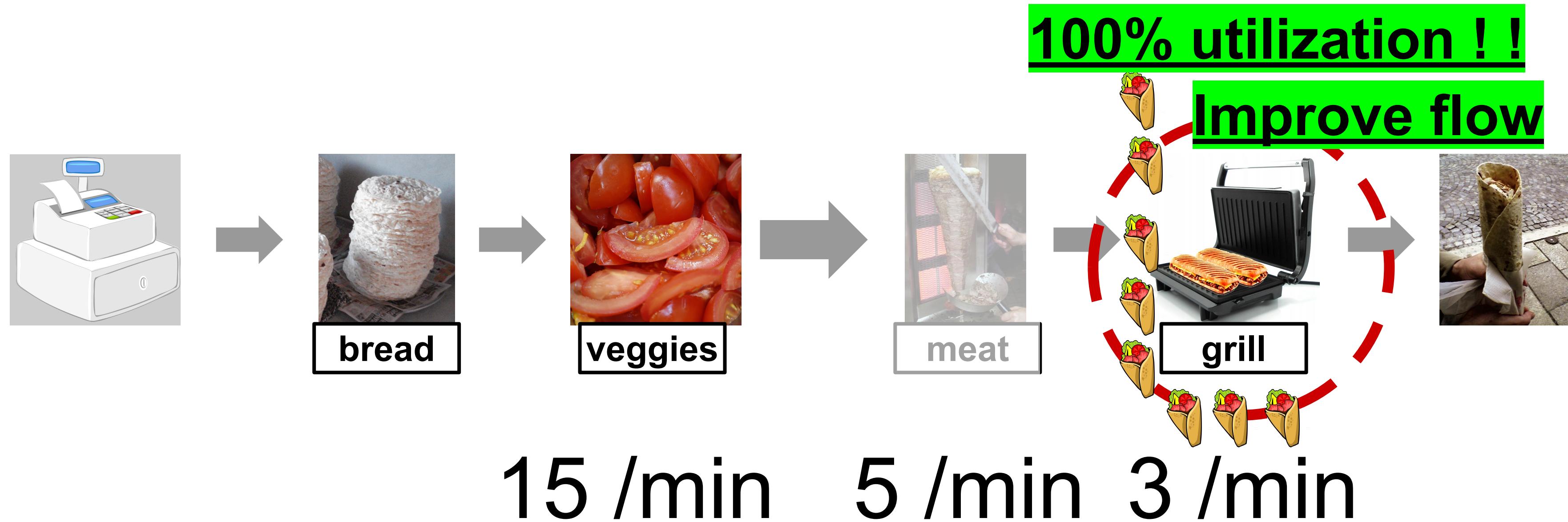




# Bottleneck

aka constraint

## waste in the bottleneck = waste of the whole system



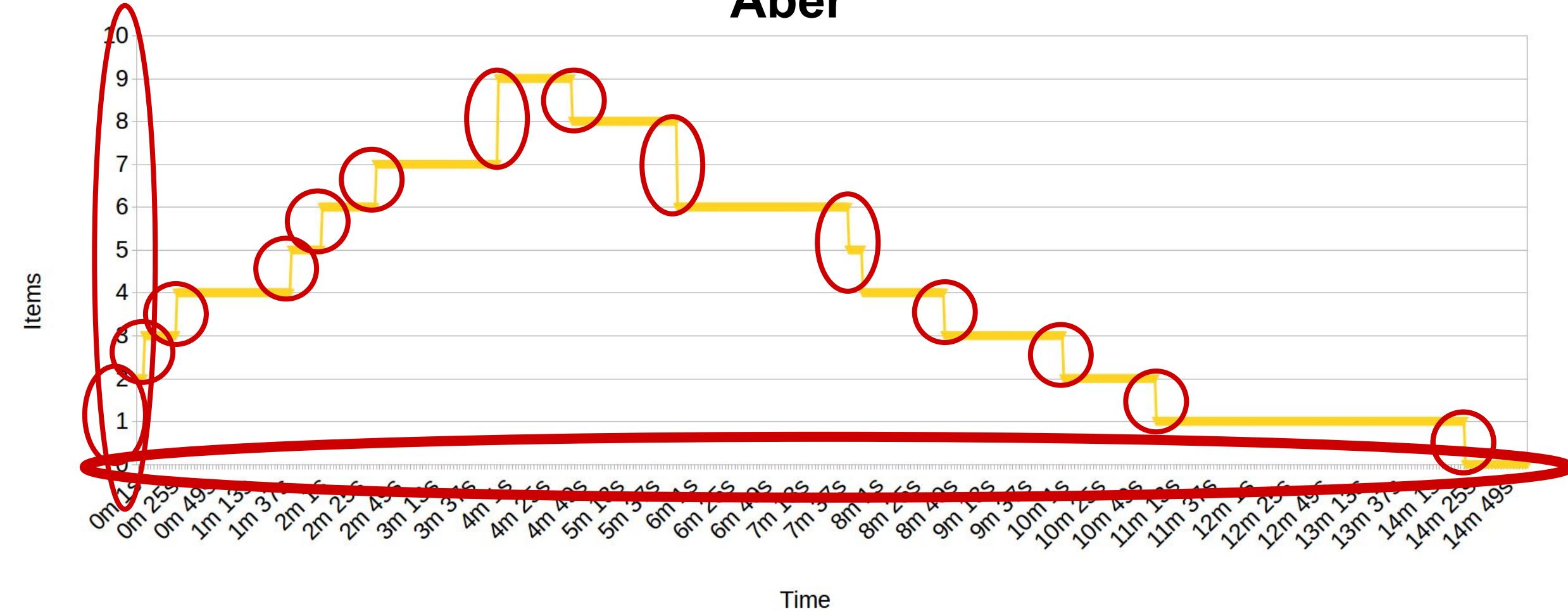
**5 min x 3 /min = 15 kebabs LOST ! !**

# KEBAB



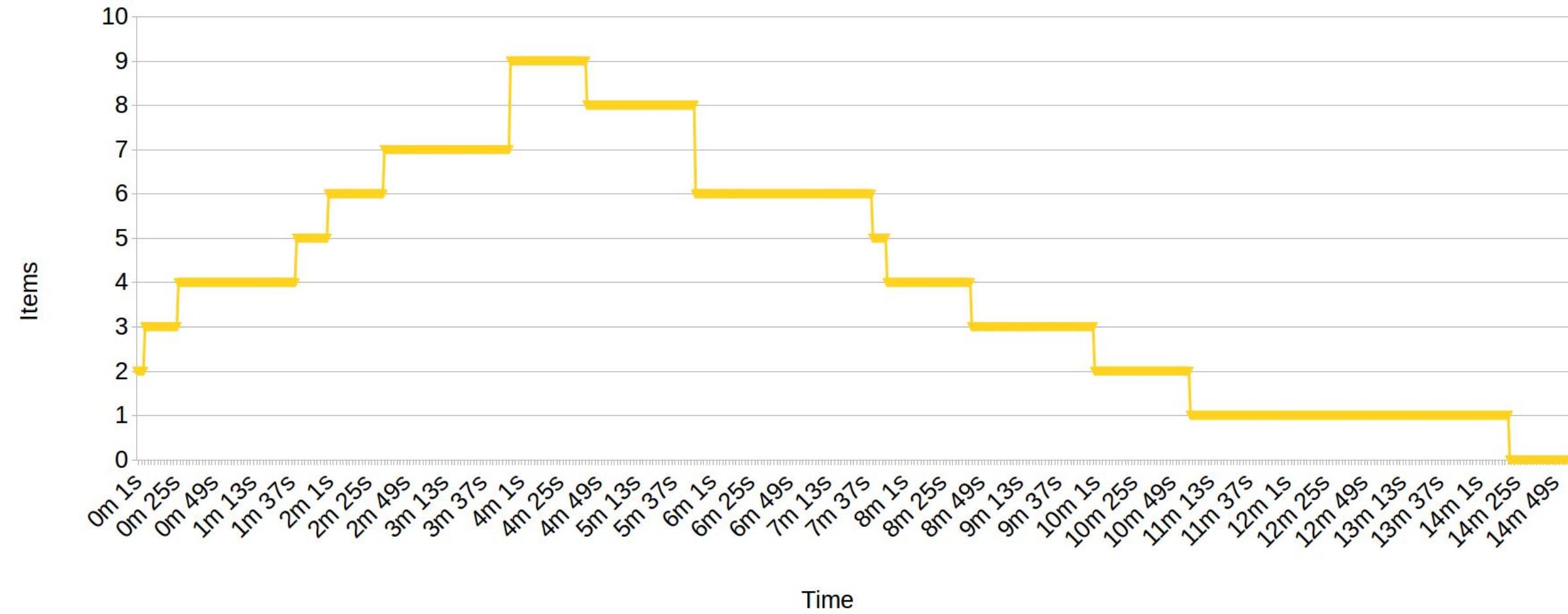
# Work in progress

Aber

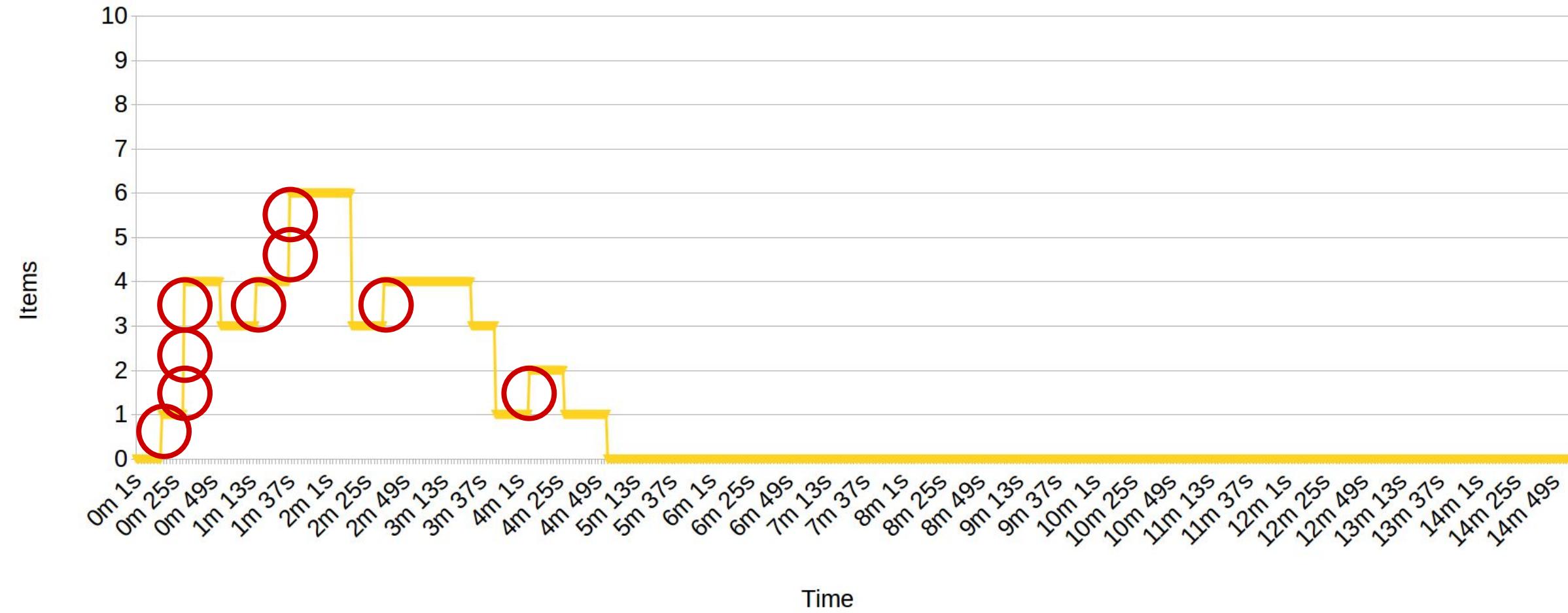


# Work in progress

Aber

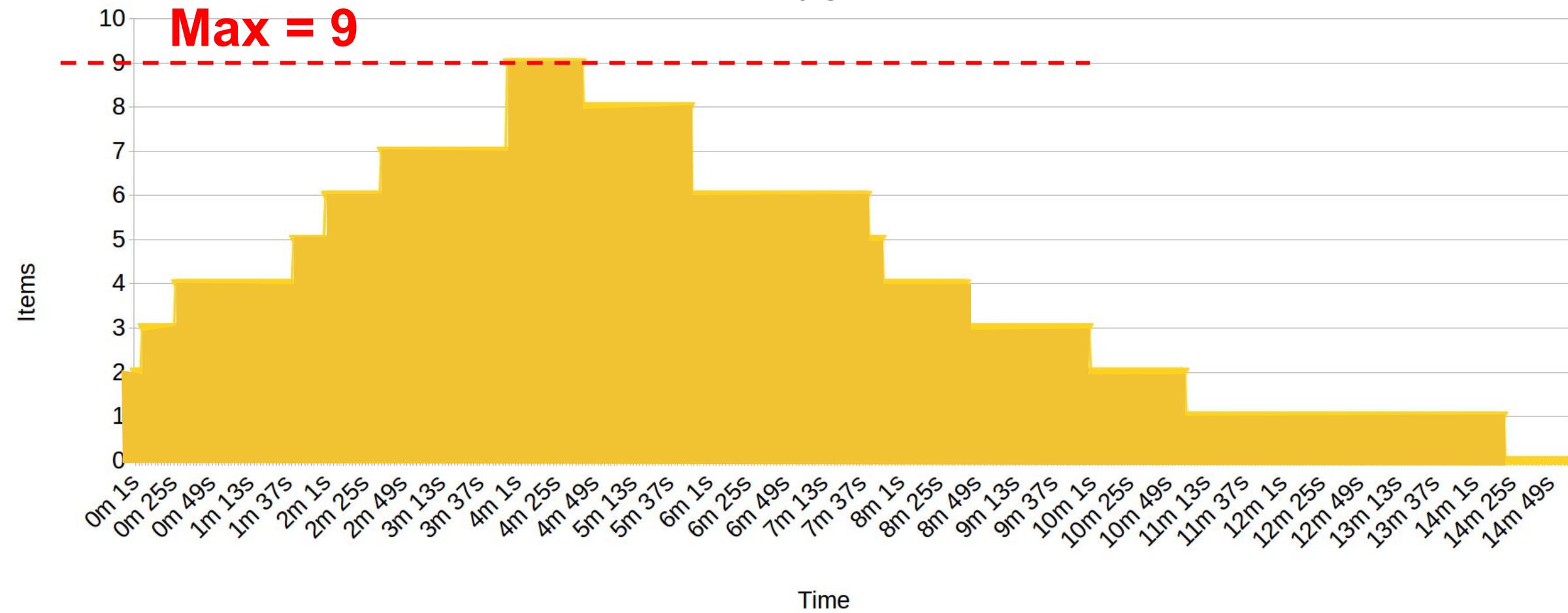


Besef

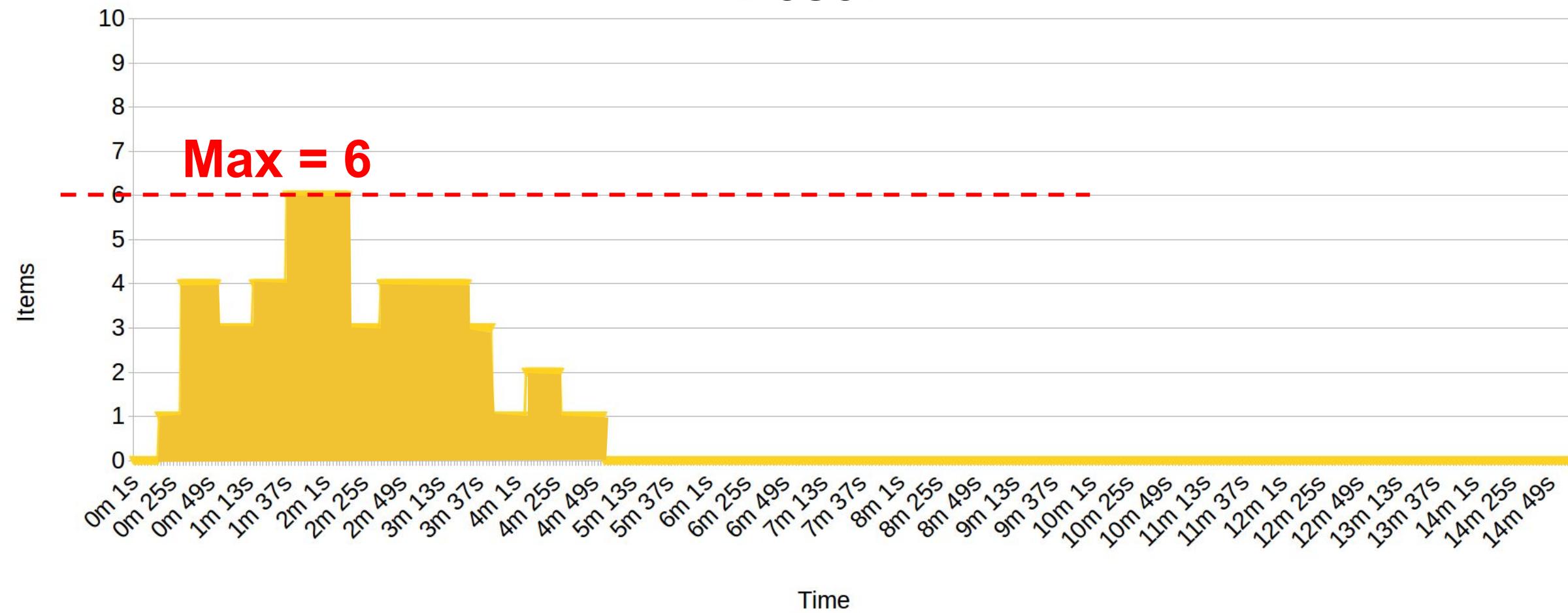


# Work in progress

Aber

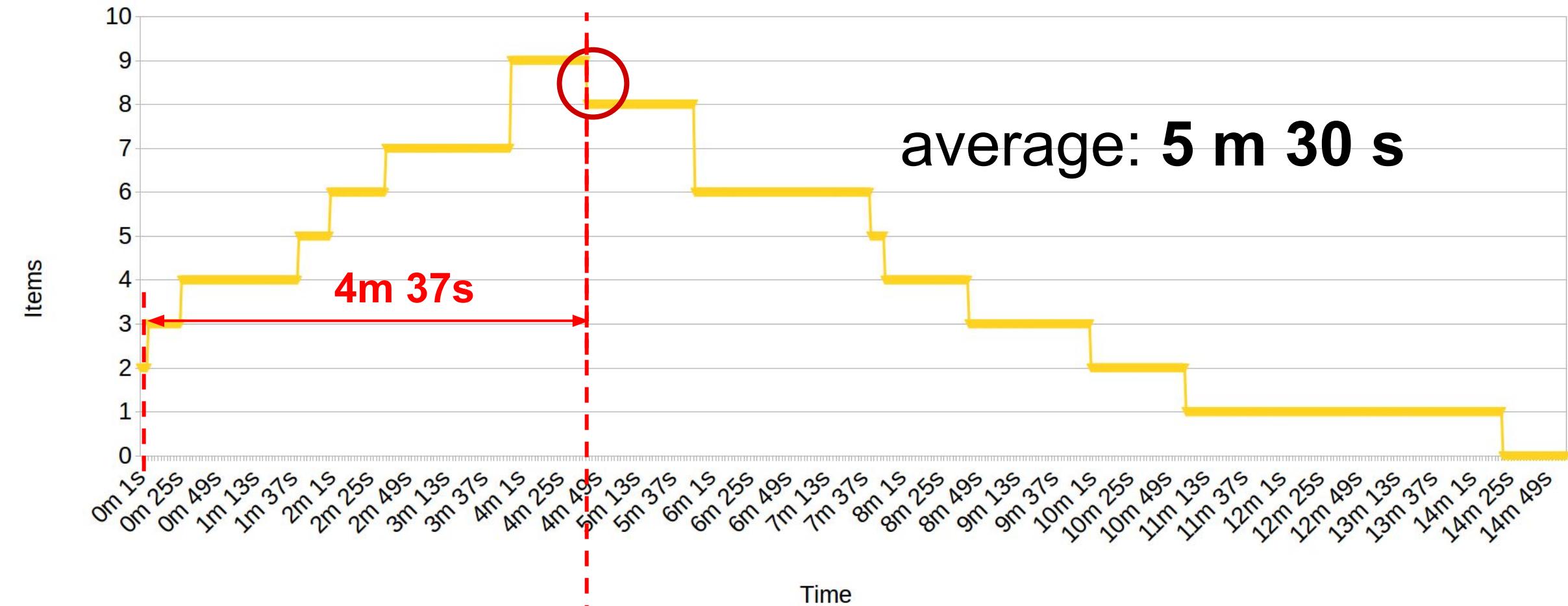


Besef



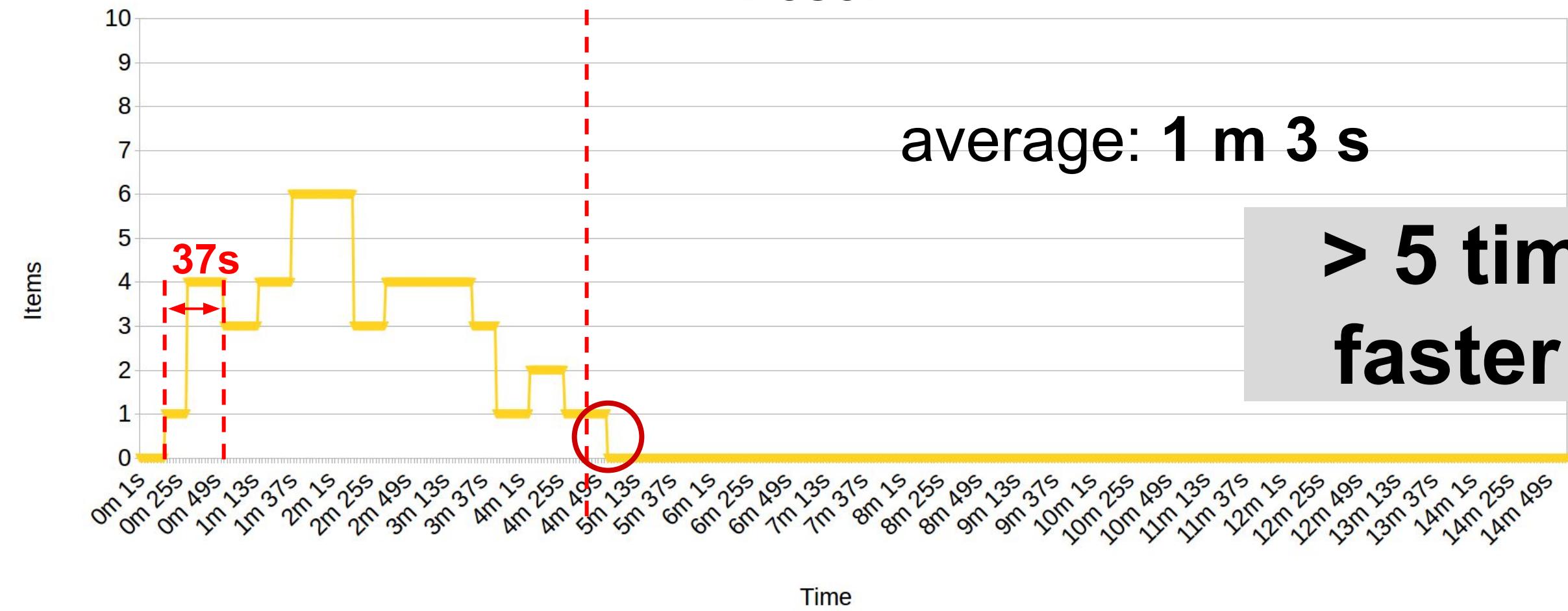
# Lead time

Aber



average: 5 m 30 s

Besef

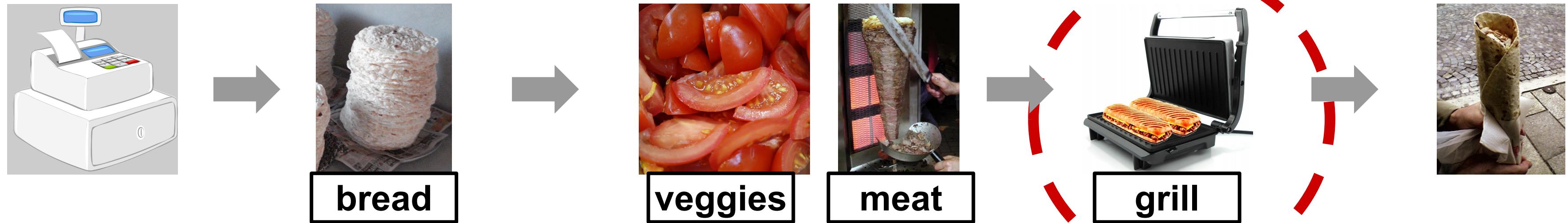


average: 1 m 3 s

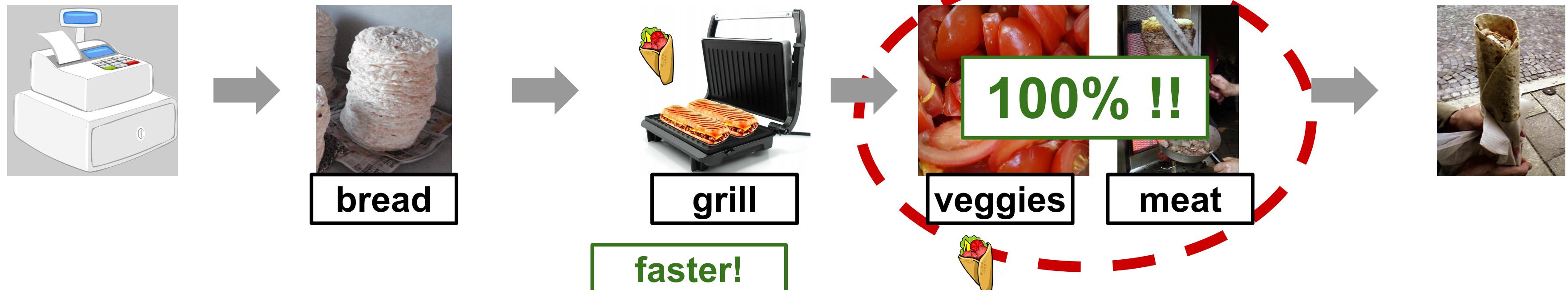
> 5 times  
faster (!)

?????????

Aber

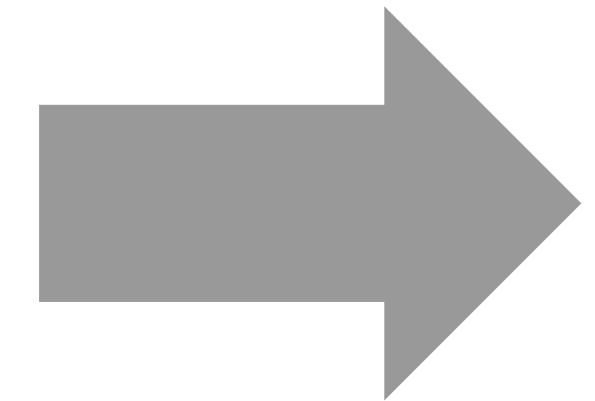


Besser



Operations in general

Theory of  
Constraints

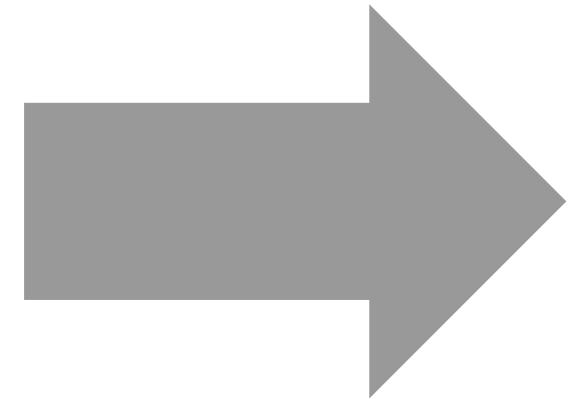


Software delivery

DevOps



faster!



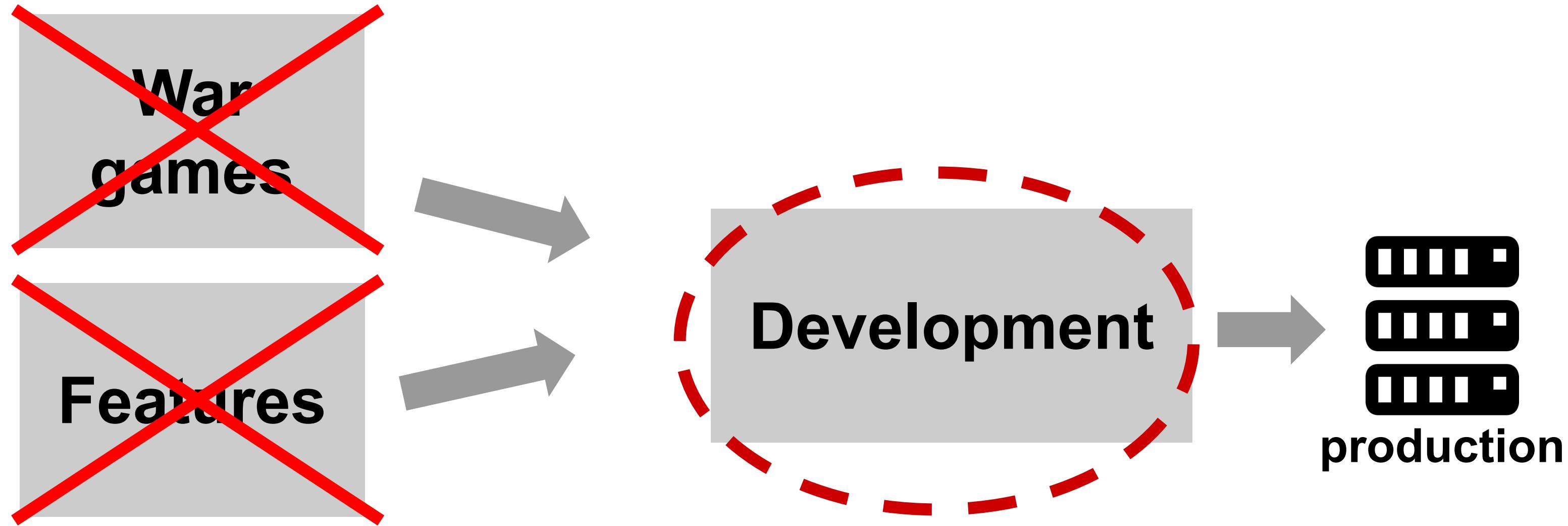
**Automation!  
tests !**

**infrastructure  
as code**

**monitoring**

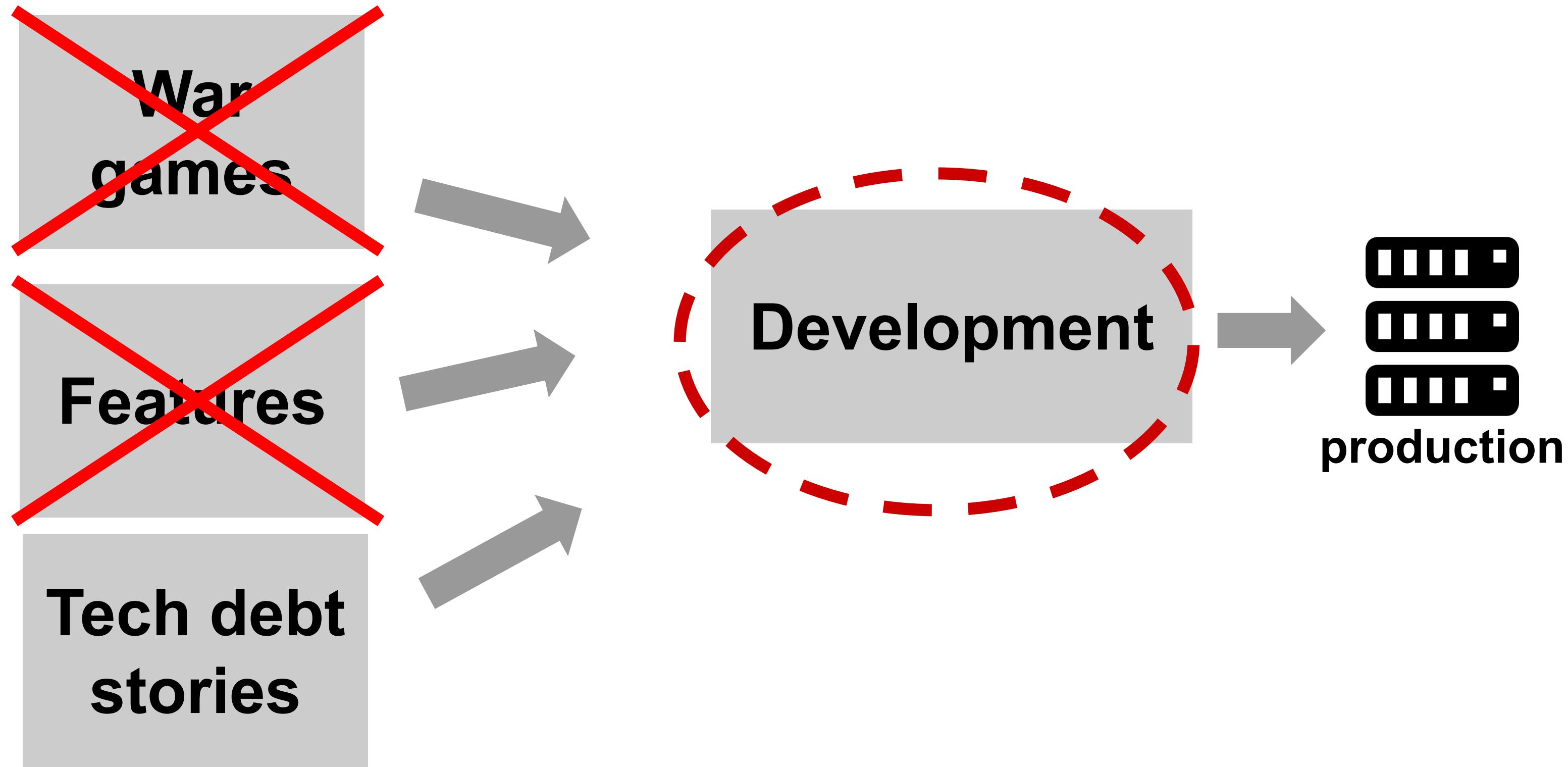
**logging**

# Keeping constraint 100% utilized



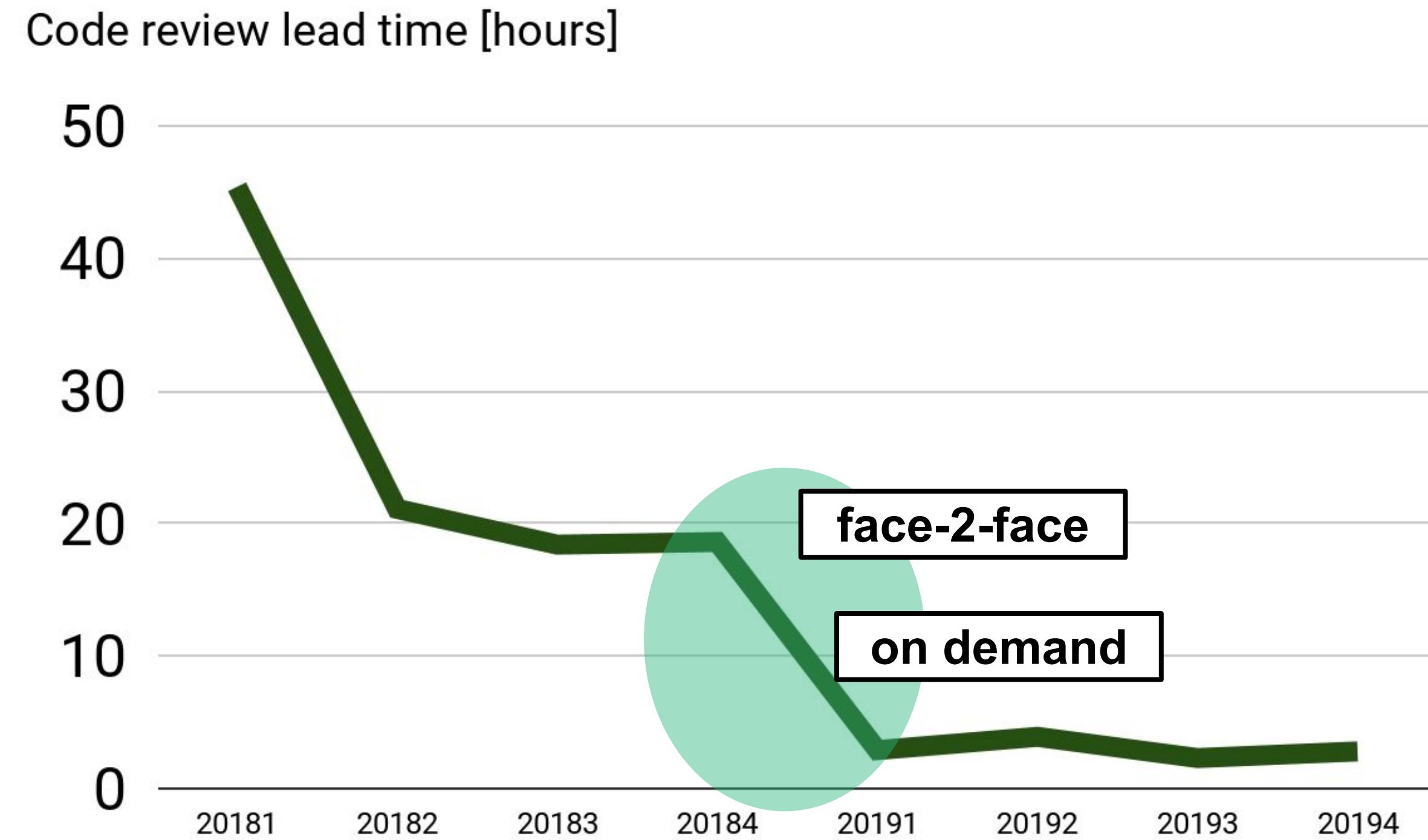


# Keeping constraint 100% utilized



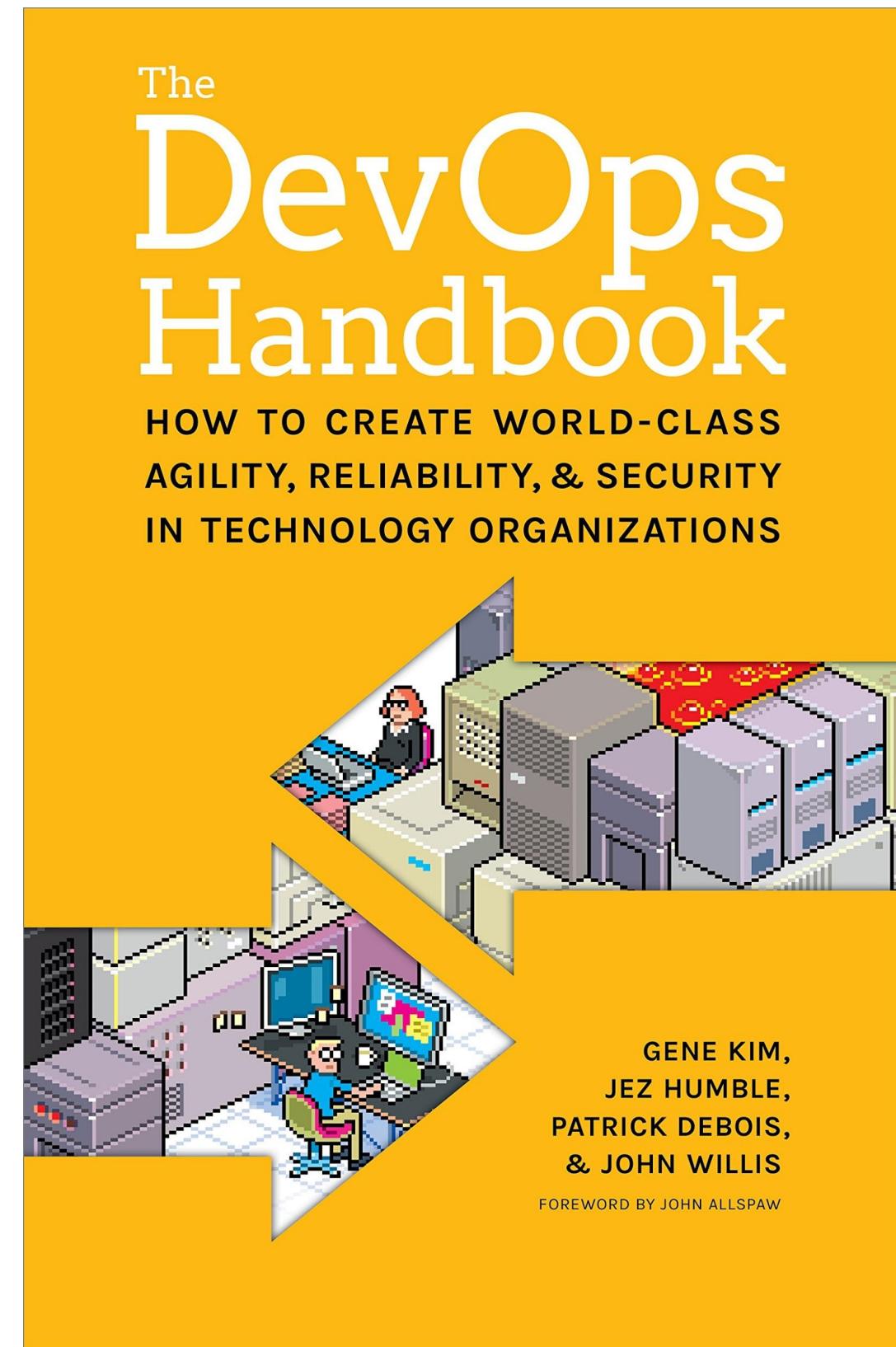
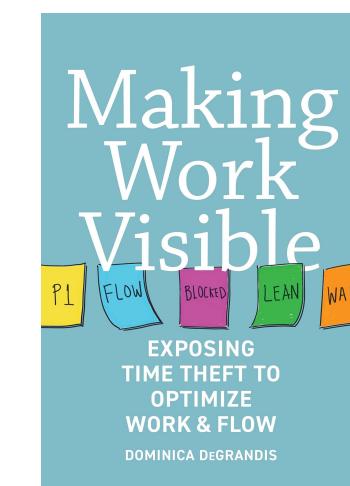
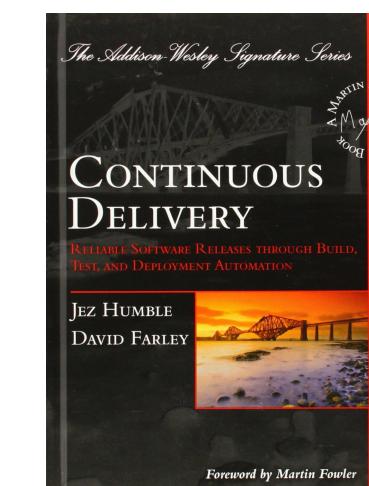
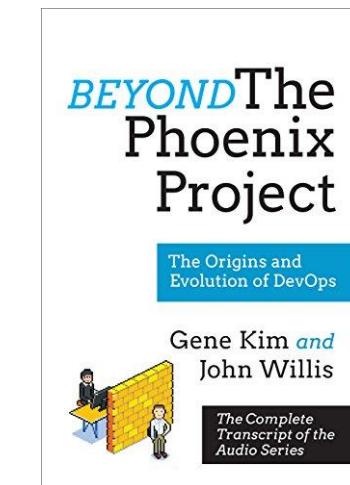
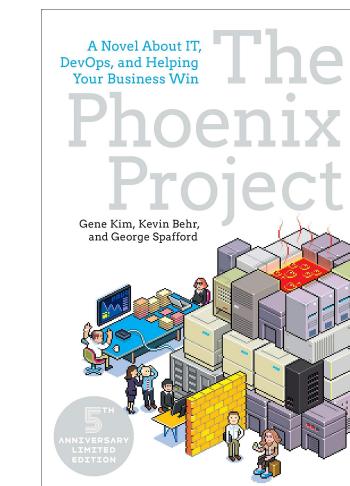
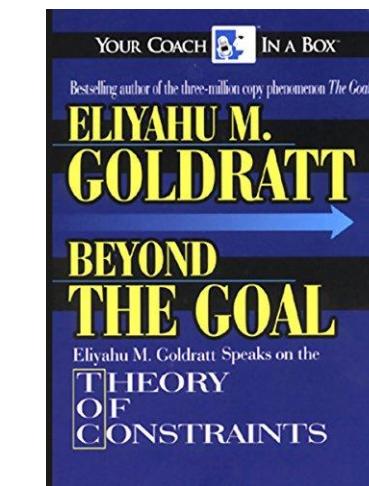
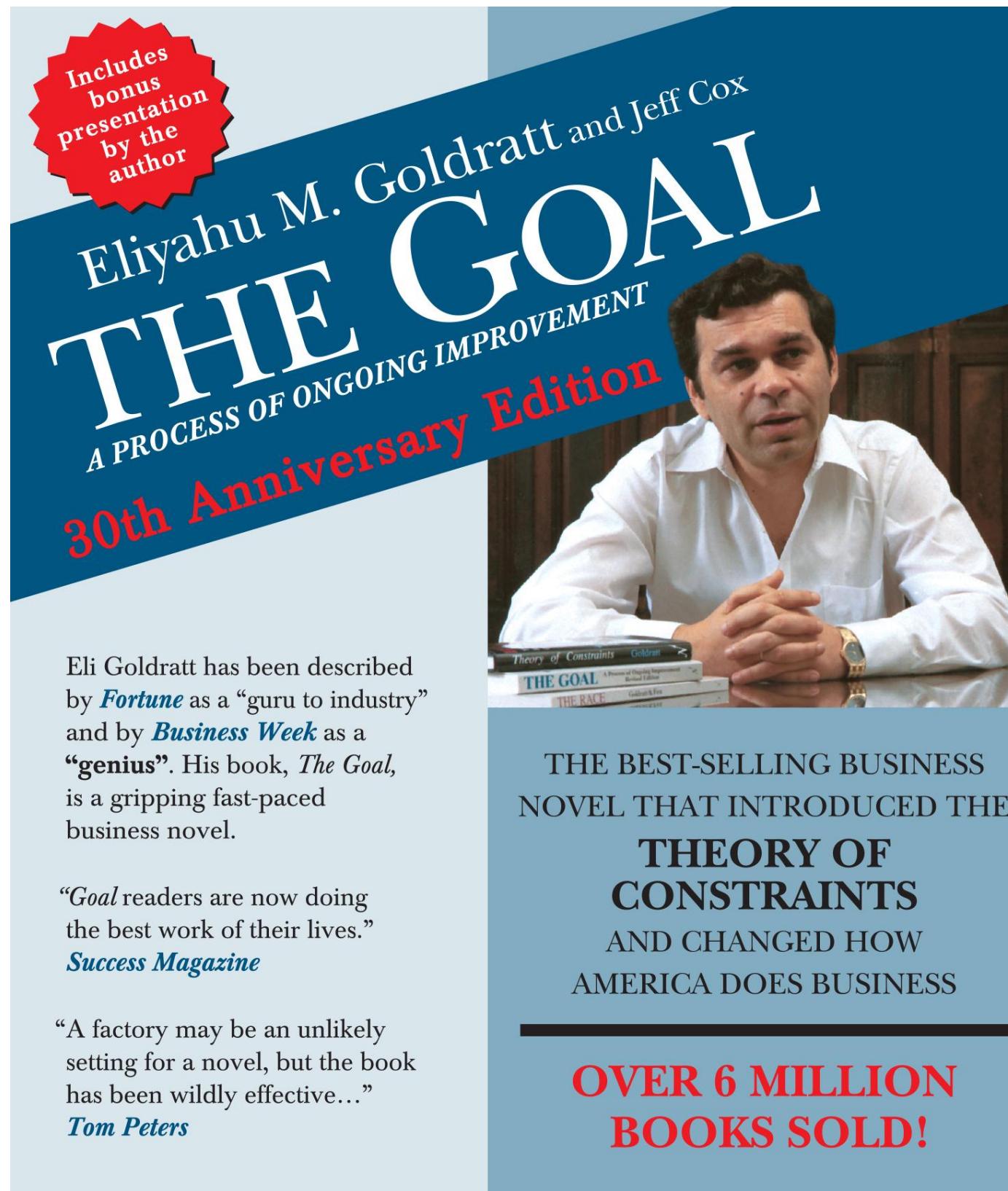


# Improve flow in the constraint



**4 devs**  
**~ 150 deployments**





# Thanks!

# Questions!



## Konrad Otrębski



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Slides  
& trip to Besef!



[kmotrebski.github.io/codetecon](https://kmotrebski.github.io/codetecon)