



#4711

A blue speech bubble with a white question mark and the word 'ORDER?' inside.

ORDER?

A blue speech bubble with a white outline, pointing towards the bottom right. Inside the bubble, the text "YOUR ORDER ID: #4711" is written in white, bold, sans-serif capital letters.

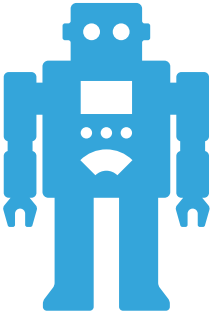
**YOUR
ORDER ID: #4711**





CONFIDENTIALBURGERSINCPARALLEL, BUT ORDER EXECUTION







waiter











Prizzen
Ovben

Burgherrin





conference machine









#4711 DONE

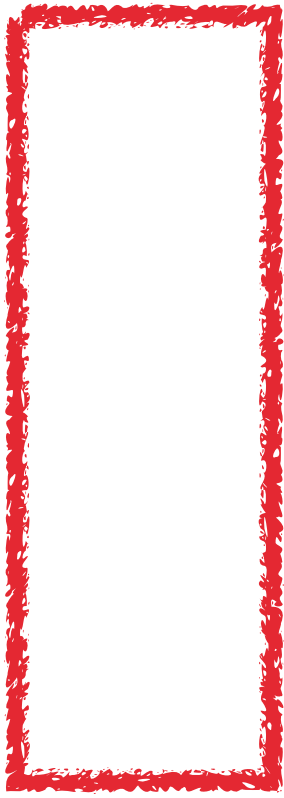


- ▶ Multiple customers' orders **executed in parallel**¹ and **delivered** (retired) **in order**

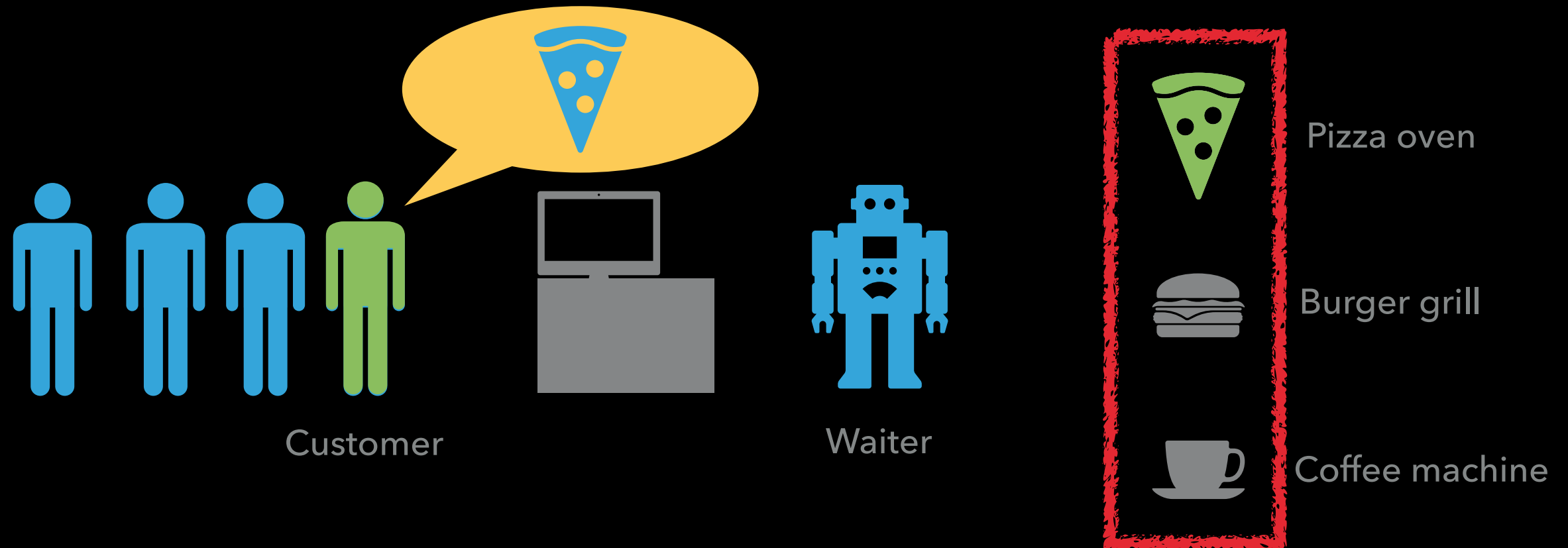
I.e. multiple orders prepared at the same time

- ▶ PRO: **Faster because resources are utilised even better**
- ▶ CON: More difficult to implement

¹this is called superscalar



CONFIDENTIAL BURGERS INC. : PARALLEL, OUT OF ORDER EXECUTION



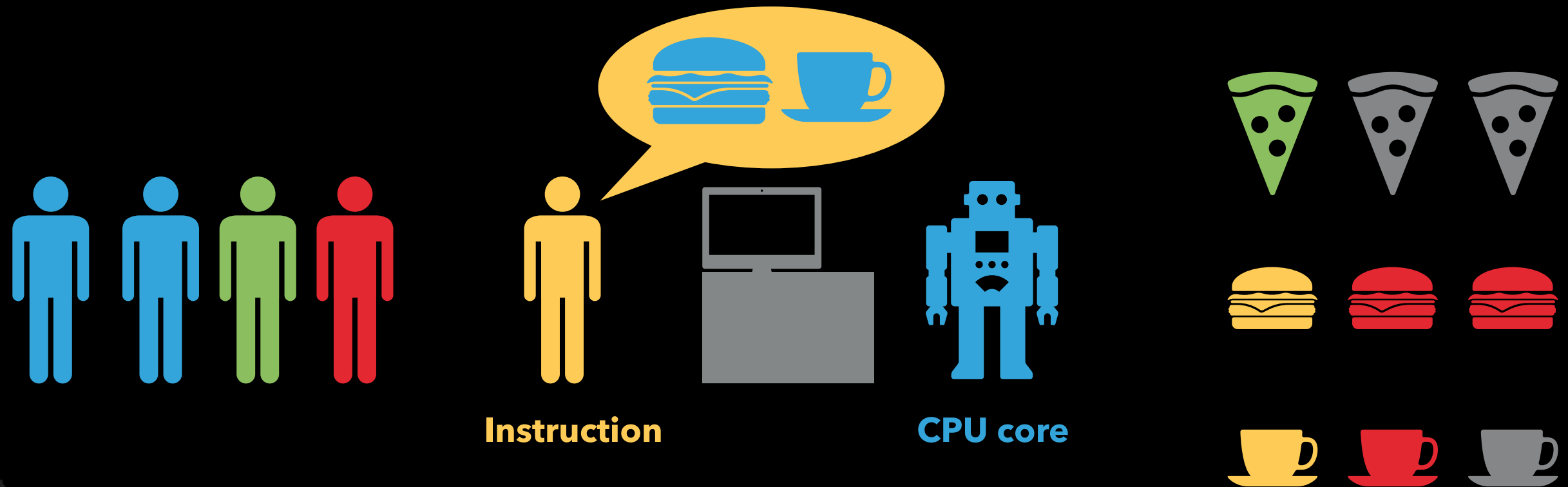
- ▶ Multiple customers' orders executed in parallel¹ and delivered (retired) in order

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Adding more resources increase parallelism & throughput.
This is all on one CPU core.