



**#4711**

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

**ORDER?**

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

**YOUR  
ORDER ID: #4711**

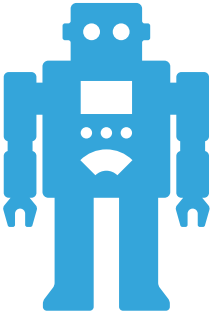






CONFIDENTIALBURGERSING-PARALLEL, BUT ORDER EXECUTION







waiter













Prizzen Owen

Burgherrin





conference machine











**#4711 DONE**

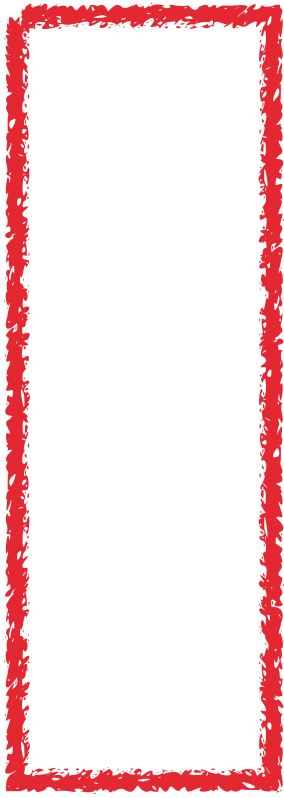


- ▶ Multiple customers' orders executed in parallel<sup>1</sup> and delivered (retired) in order

I.e. multiple orders prepared at the same time

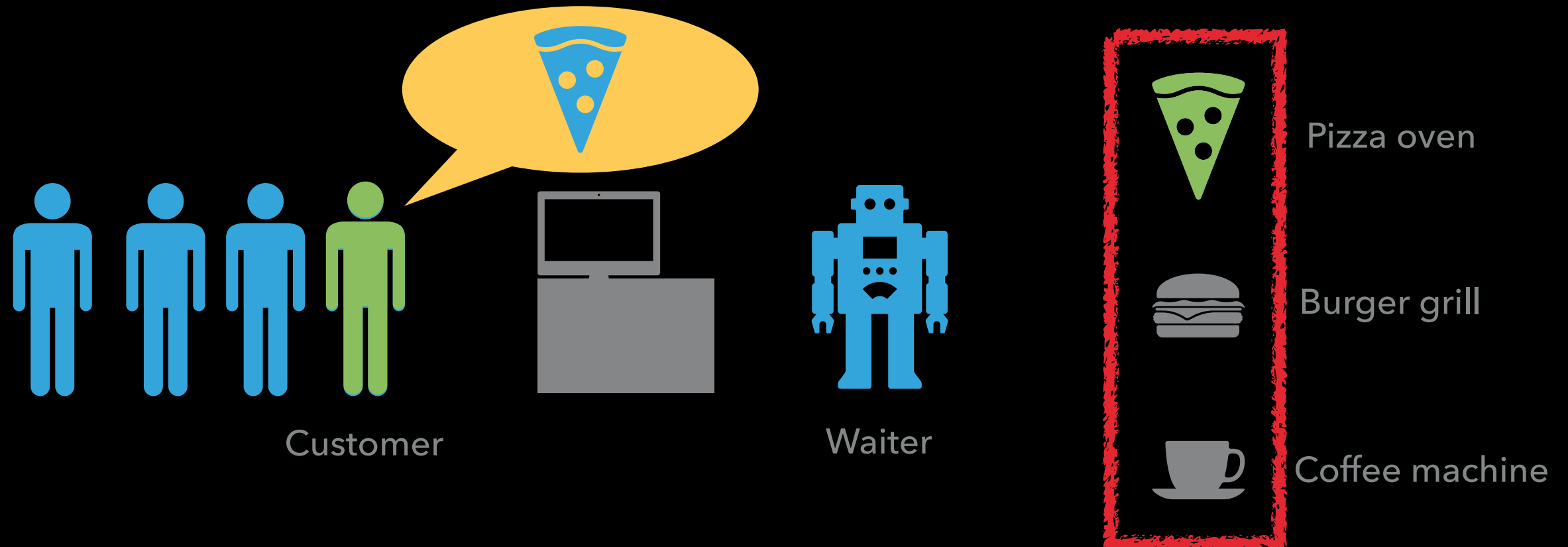
- ▶ PRO: **Faster because resources are utilised even better**
- ▶ CON: More difficult to implement

<sup>1</sup>this is called superscalar





## CONFIDENTIAL BURGERS INC. : PARALLEL, OUT OF ORDER EXECUTION



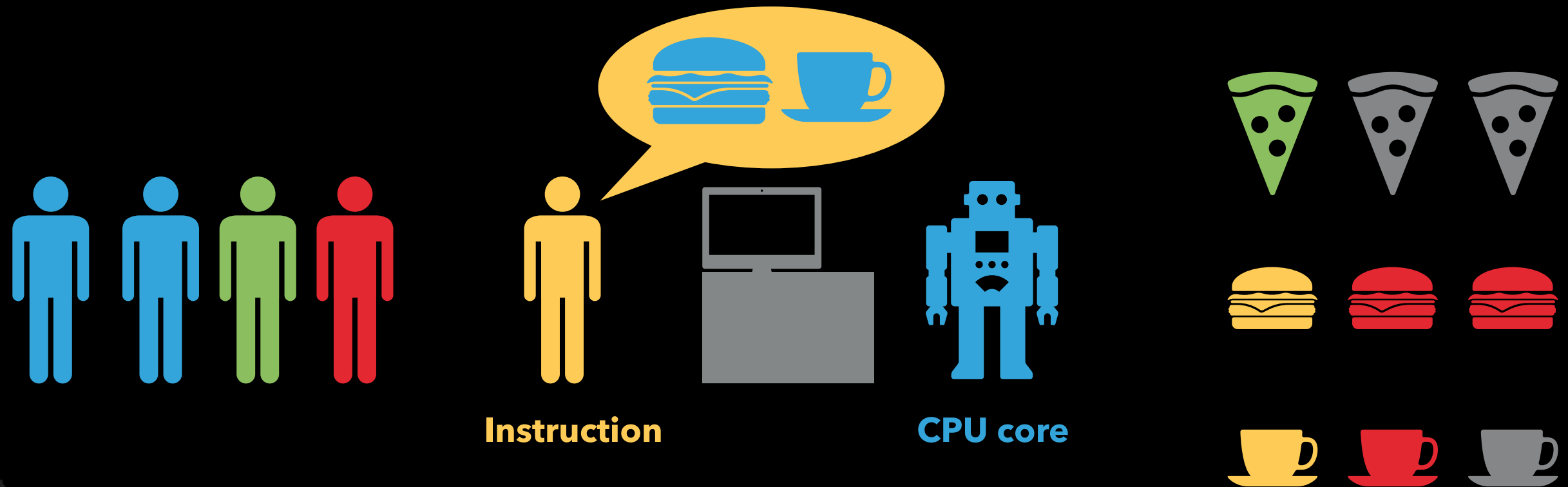
- ▶ Multiple customers' orders executed in parallel<sup>1</sup> and delivered (retired) in order

I.e. multiple orders prepared at the same time

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

<sup>1</sup> this is called *superscalar*

## CONFIDENTIAL BURGERS INC.



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