

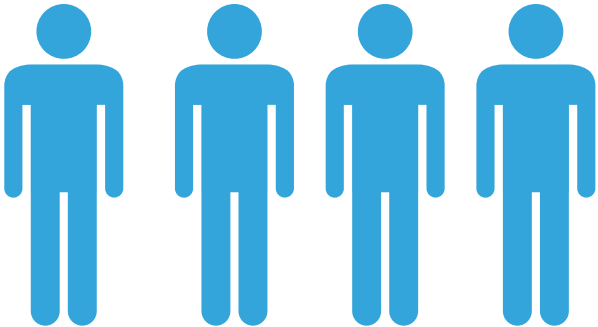


MELTDOWN & SPECTRE FOR ARMV8-A LEAKS

CONFIDENTIALBURGERSC.



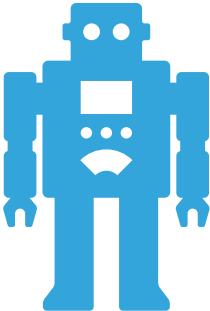
**Confidential Burgers inc. sells burgers, pizza, and
coffee.**













waiter











Prizzen
Owen

Burgherrin





conference machine

The waiter (CPU) will

1. take an order from a customer (CPU instruction)

2. break the order (instruction) down into micro operations (μ OPs - grilling a burger, baking a pizza, ...)

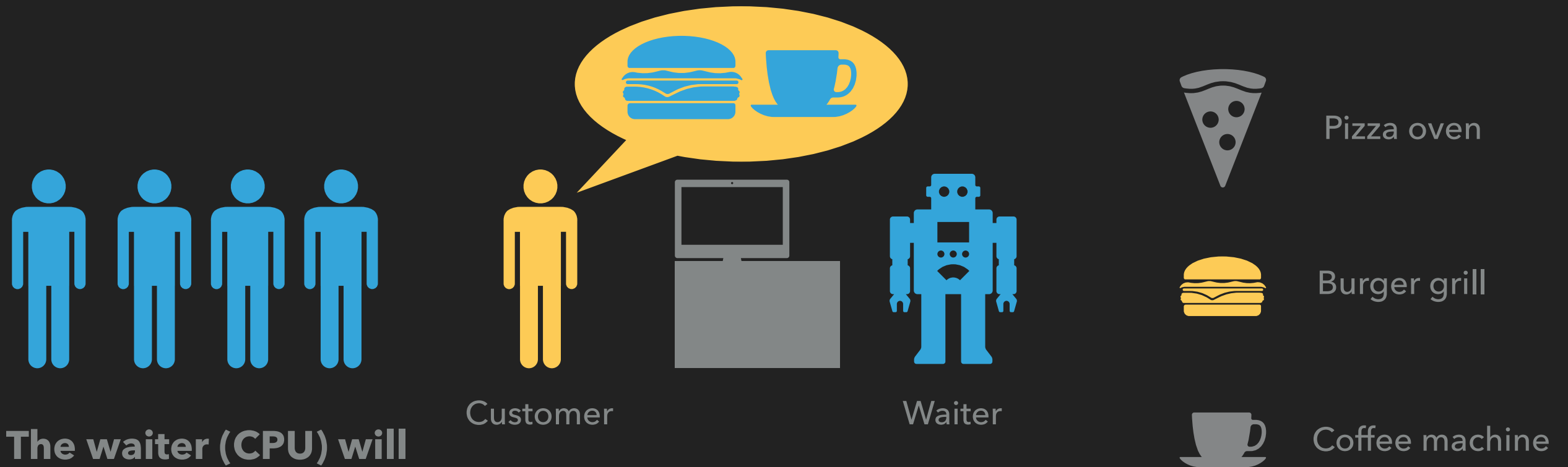
3. schedule and execute the μ OPs

4. complete the order (retire the instruction)

Grand Opening Today

CONFIDENTIAL BURGERS INC.

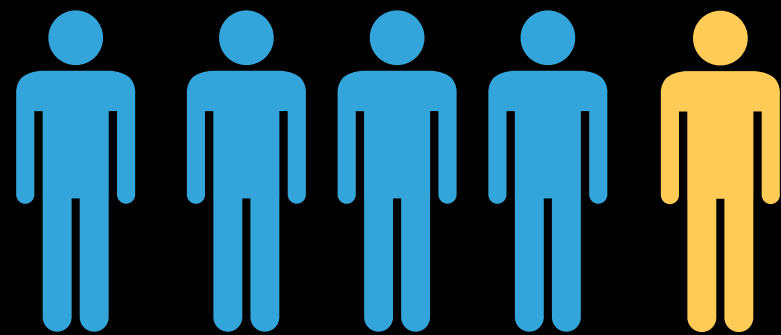
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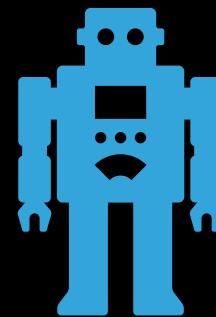
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1. take an order from a customer (CPU instruction)
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3. schedule and execute the μ OPs
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CONFIDENTIAL BURGERS INC. : SERIAL, IN ORDER EXECUTION



Customer



Waiter



Pizza oven



Burger grill



Coffee machine