





MELTDOWN & SPECTRE FOR NORMAL PEOPLE

CONFIDENTIAL BURGERS INC. : ORDER IS IMPORTANT

































The green instruction will finish before the red instruction. The CPU ensures that red is seen before green.

CPU core













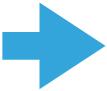






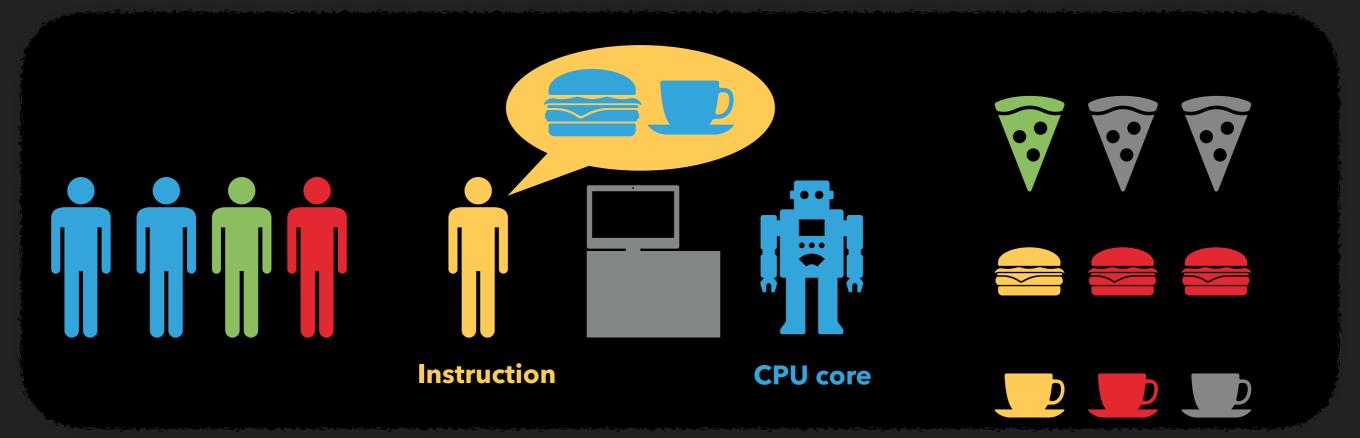
Actual µOP execution order

Instruction execution order as seen



WHY DID MELTDOWN & SPECTRE HAPPEN?

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The green instruction will <u>finish</u> before the red instruction.

The CPU ensures that red is seen before green.

