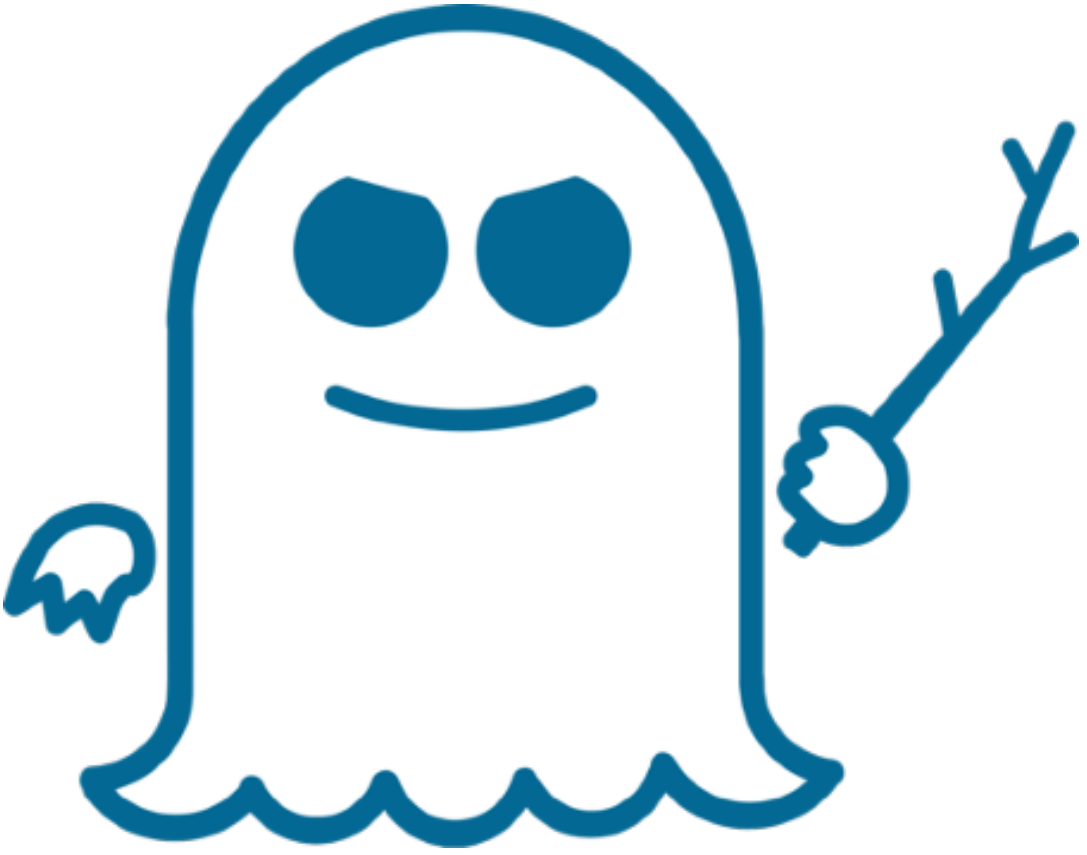
MELTDOWN & SPECTRE FOR NORMAL PEOPLE

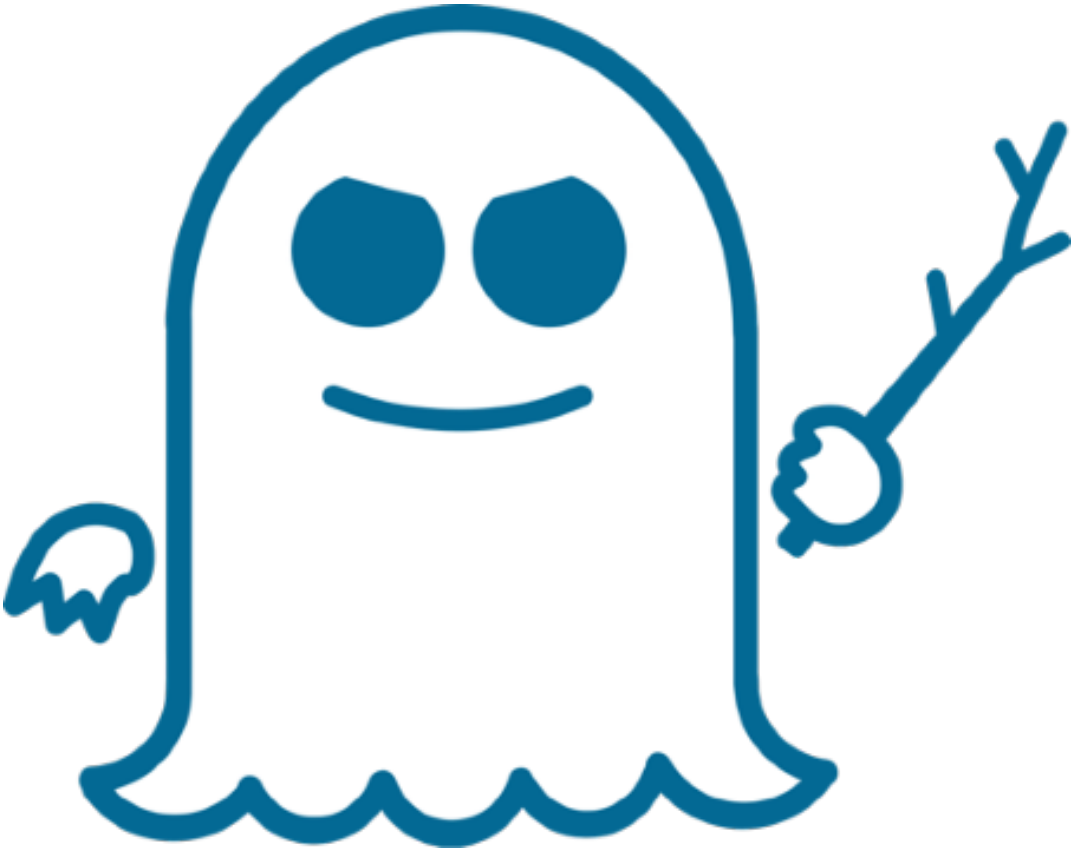
MEMORY MODEL

PROCESS
A

PROCESS B

0x0000..0



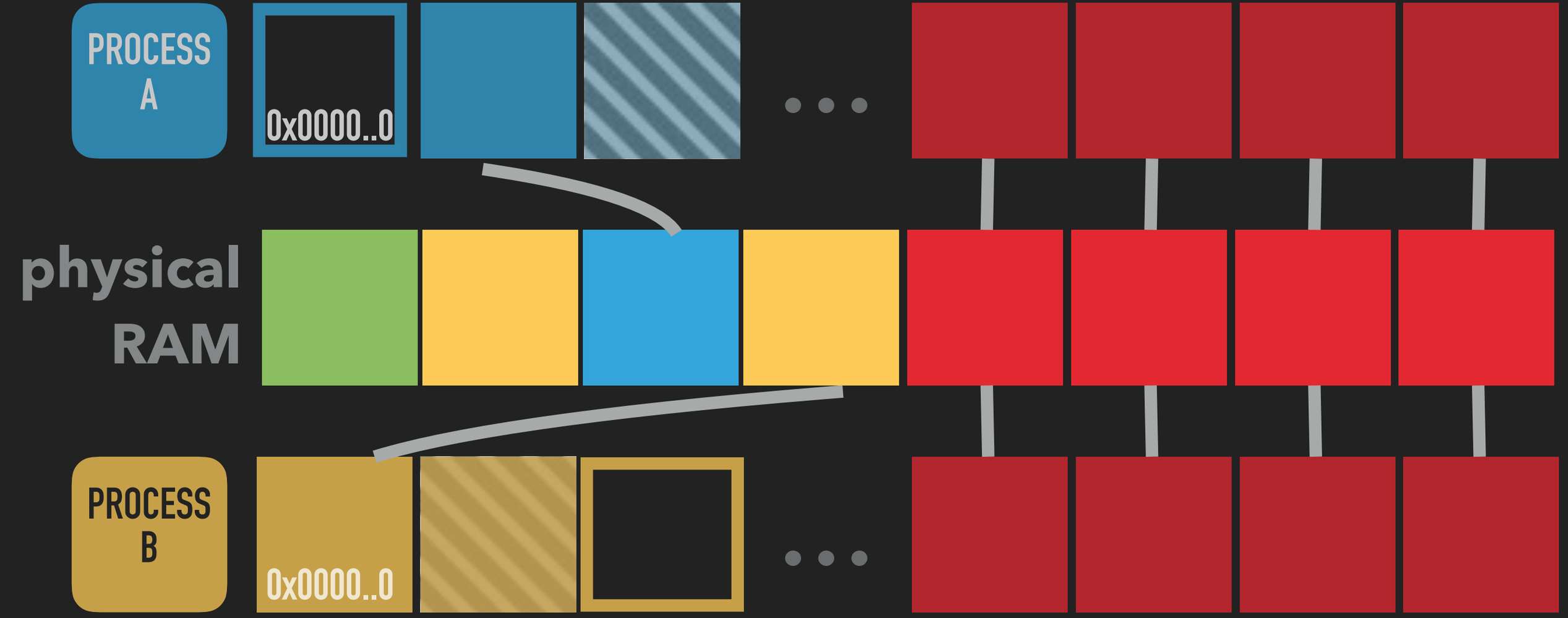


- c) is vulnerable to Meltdown and Spectre

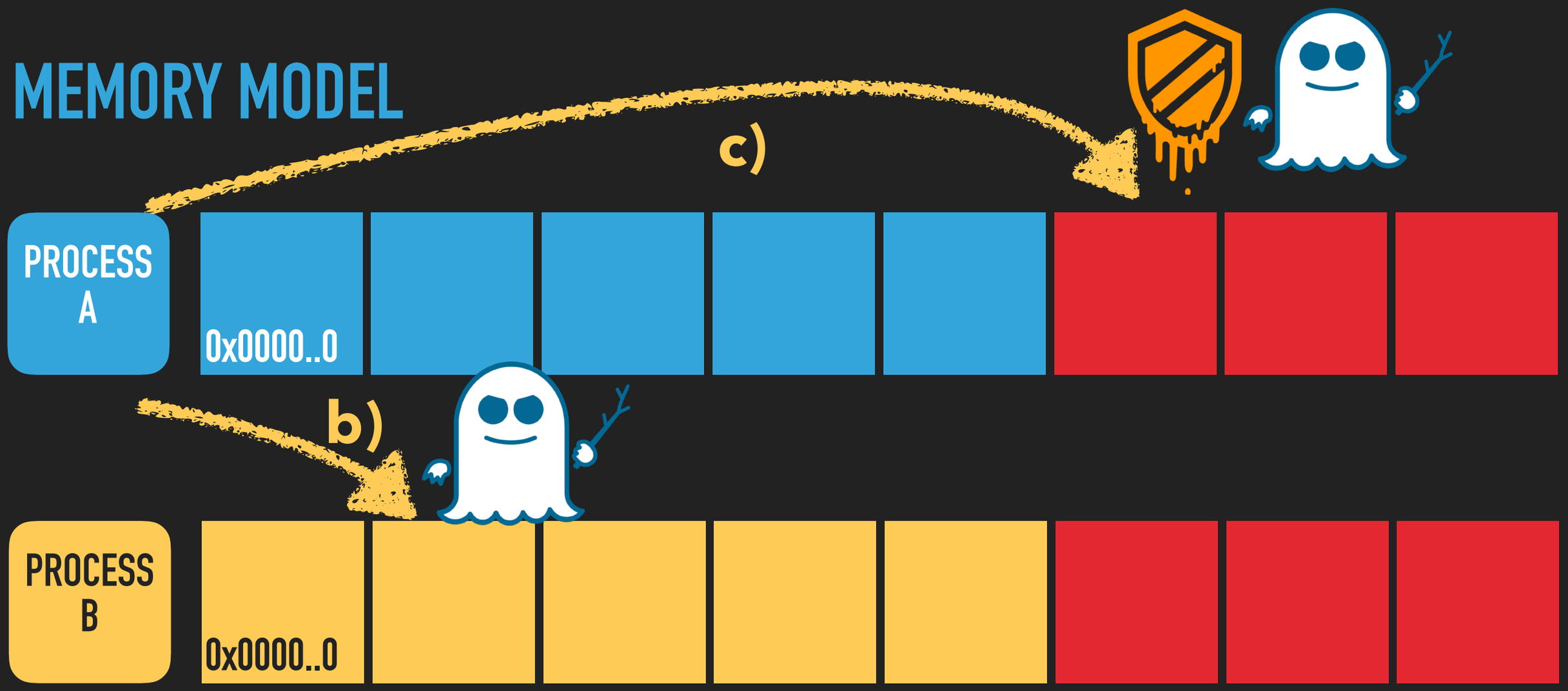
- **b)** is vulnerable to Spectre

MEMORY MODEL

- Virtual memory is backed by physical RAM
- Virtual memory is much, much larger than physical RAM
- Not all virtual memory is backed by RAM, e.g.



MEMORY MODEL



- **c)** is vulnerable to Meltdown and Spectre
- **b)** is vulnerable to Spectre