





## MELTDOWN & SPECTRE FOR NORMAL PEOPLE

## MEMORY MODEL











## 0x0000..0





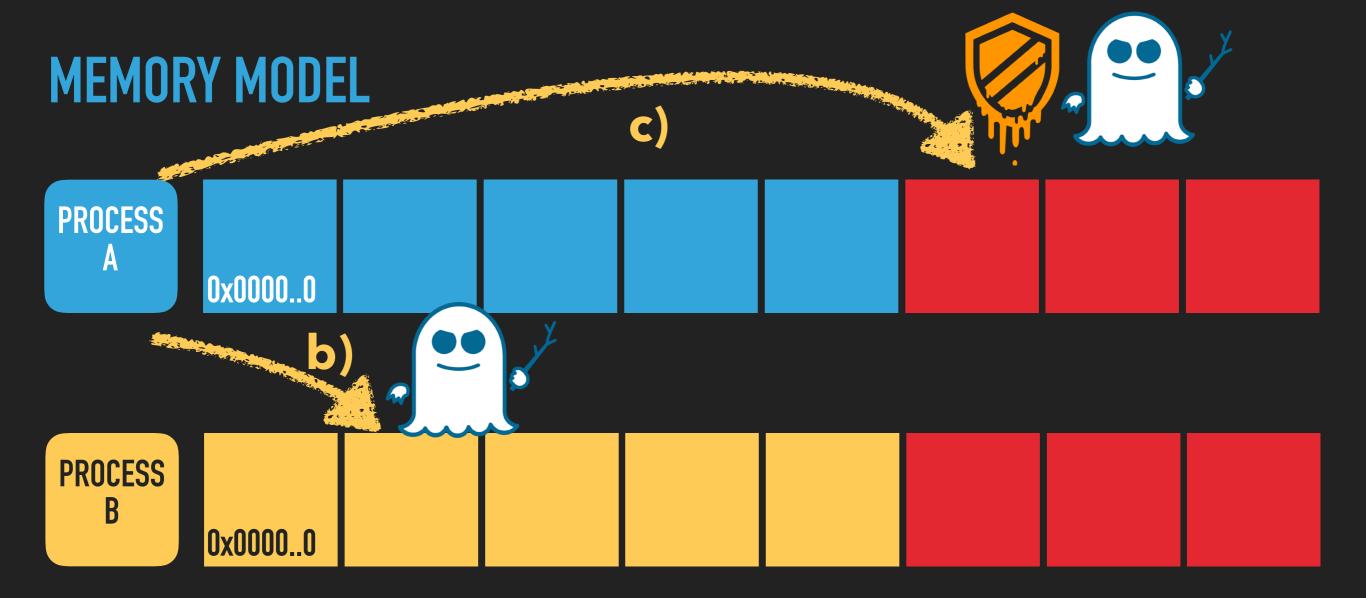






c) is vulnerable to Meltdown and Spectre





- 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.

