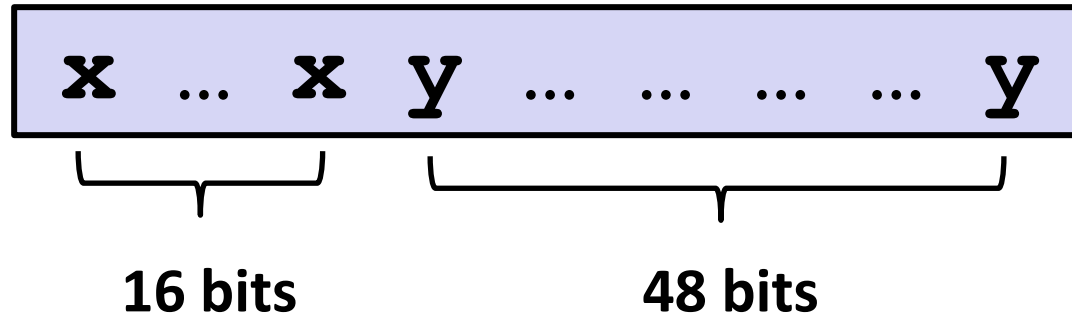


Virtual Memory:

... as a tool for memory protection

Kernel addresses

- Address: 64 bits



- Kernel: **x ... x = 1 ... 1**
- Nonkernel: **x ... x = 0 ... 0**

Permission bits

- Extend PTEs with permission bits
- MMU checks these bits on each access

