

# Page Lookup

Virtual Address

page	offset
3	128

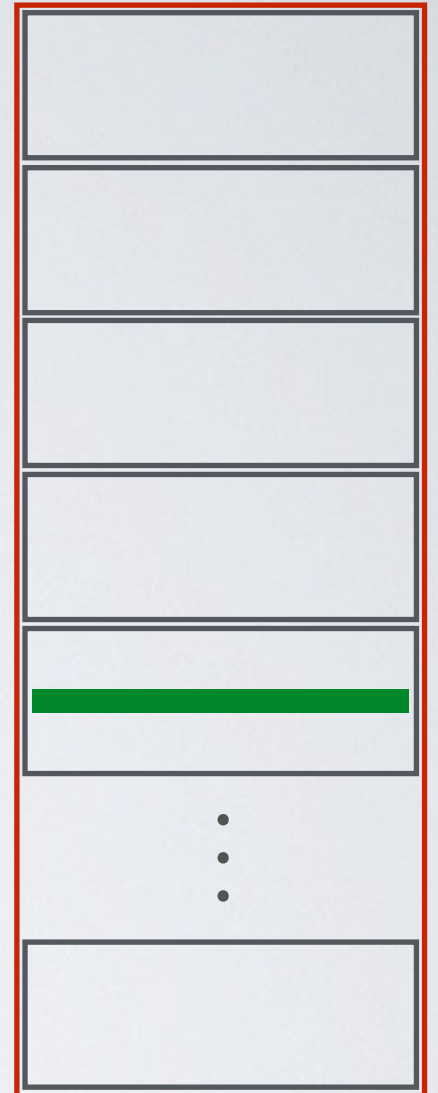
Physical Address

page	offset
5	128

Page Table

m	r	v	p	ppe
1	1	1	rw	5

Physical Memory



# Paging Advantages

- ✓ Easy to allocate memory
  - Memory comes from a free list of fixed size chunks
  - Allocating a page is just removing it from the list
  - External fragmentation not a problem
- ✓ Easy to swap out chunks of a program
  - All chunks are the same size
  - Use valid bit to detect references to swapped pages
  - Pages are a convenient multiple of the disk block size