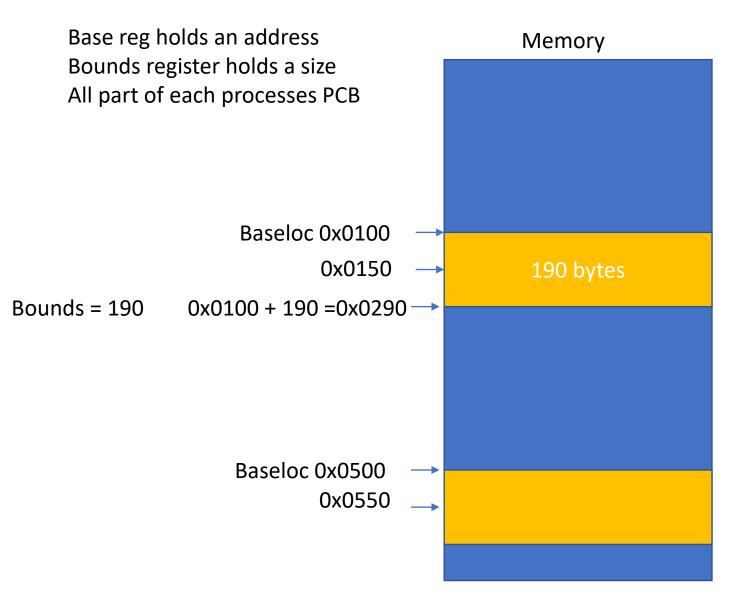
## Relative addressing helper



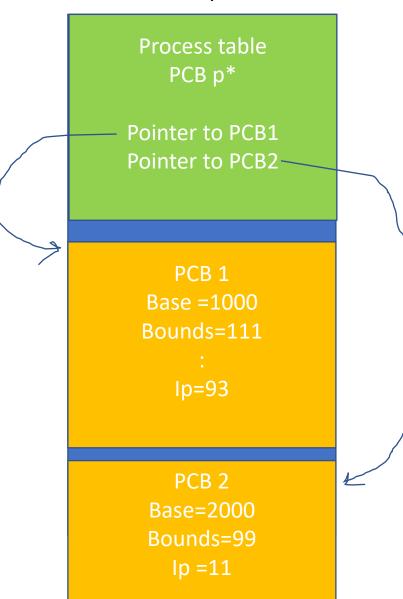
Absolute addressing, must give absolute address for EVERY memory Access. This changes depending on where program Is loaded in memory Go here 0x0150

Go Here 0x0550

Relative addressing, just change base register and reference all addresses off that

Go here Baseloc + 50





MicroProcessor

lp =11

Virtual or Logical Address Memory Management
Unit
(MMU)
Base= 2000
Bounds= 99

Physical Address



Process table PCB p\*

Pointer to PCB1
Pointer to PCB2-

PCB 1
Segment table
:
Ip=93

PCB 2 Segment table Ip =11 MicroProcessor

lp =11

Virtual or Logical Address Memory Management
Unit
(MMU)
Current process
Segment table

Physical Address

## Memory

PCB 1

:

Ip=72

Segmentation table

PCB 2 Segmentation table MicroProcessor

Base= 1000

Bounds= 111

lp =772

2\*\*8 =256

2\*\*10 = 1024 2\*\*12 = 4000 (roughly)

2\*\*20 =1,000,000 (roughly)

Binary Hex 0000 0 0100 4

1111 F Binary Hex

00 0

1 1

10

11