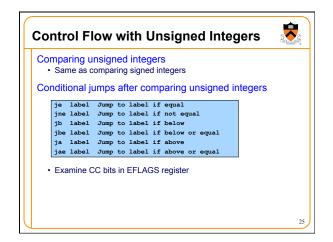
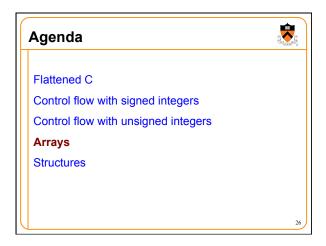
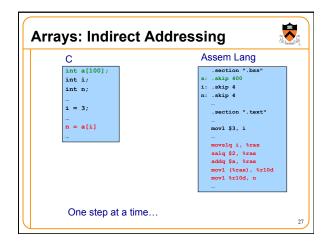


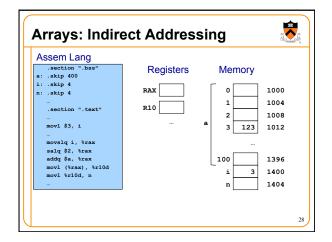
```
for Example
                                  Flattened C
                                  unsigned int power = 1;
unsigned int base;
   unsigned int power = 1;
   unsigned int base;
   unsigned int exp;
                                   unsigned int exp;
                                   unsigned int i;
   unsigned int i;
   for (i = 0; i < exp; i++)
                                     i = 0;
    power *= base;
                                   loop1:
                                      if (i >= exp) goto endloop1;
                                     power *= base;
                                      goto loop1;
                                    ndloop1:
```

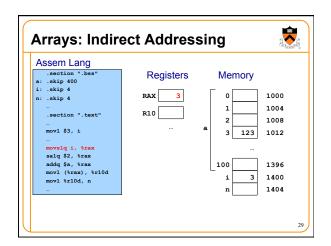
```
for Example
                                                        Assem Lang
Flattened C
                                                         .section ".data"
power: .long 1
.section ".bss"
 unsigned int power = 1;
unsigned int base;
 unsigned int exp;
unsigned int i;
                                                         exp: .skip 4
.xp: .skip 4
.: .skip 4
                                                            .section ".text"
    if (i >= exp) goto endloop1;
                                                           movl $0, i
   power *= base;
                                                           movl i, %eax
                                                           cmpl exp, %eax
jae endloop1
 endloop1:
                                                           movl power, %eax
                                                           mull base
                                                           movl %eax, power
jae instruction (instead of jge)
mull instruction (instead of imull)
```

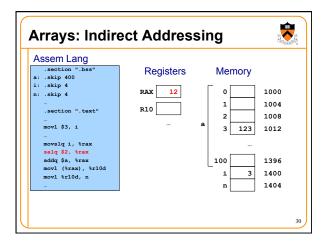


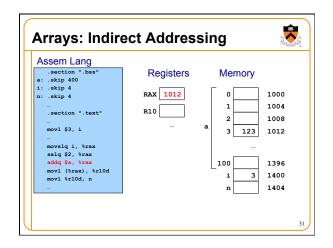


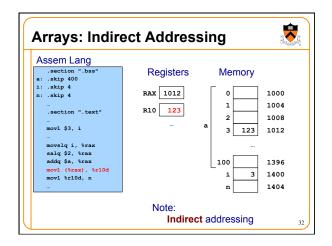


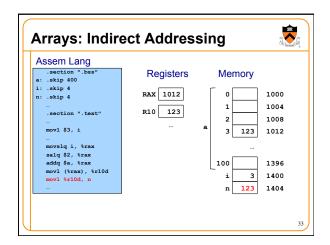


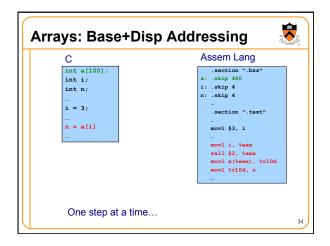


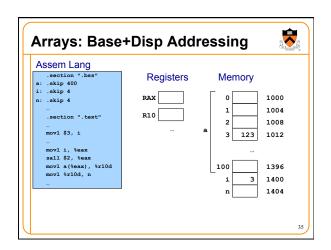


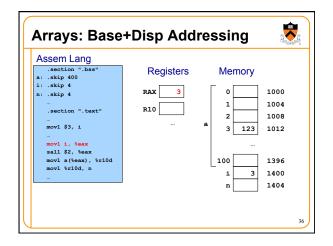


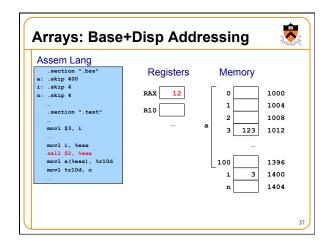


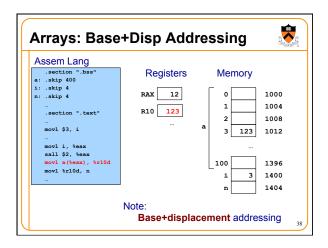


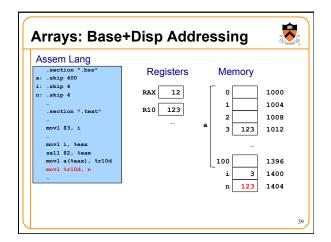


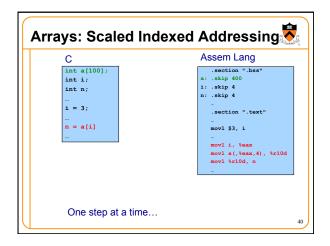


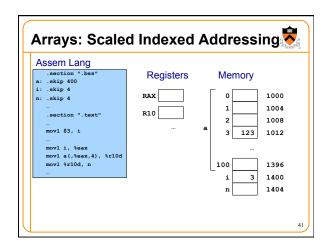


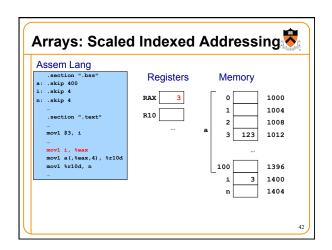


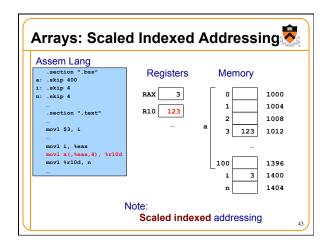


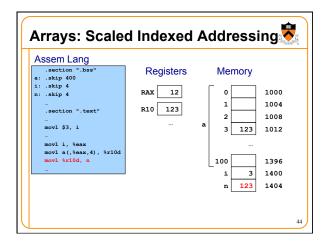


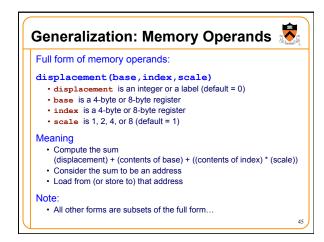


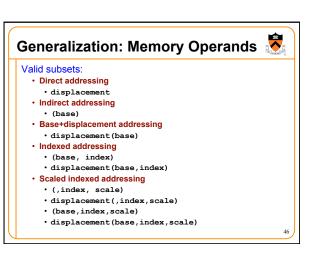


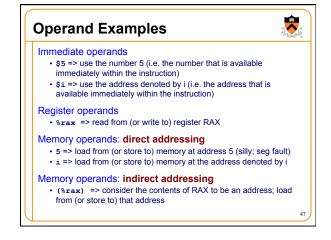


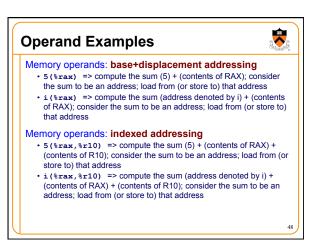


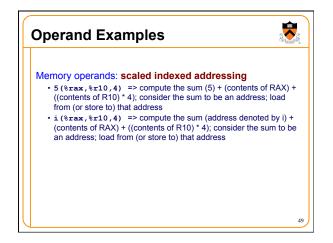


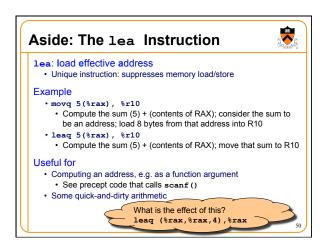




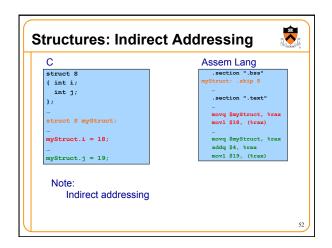


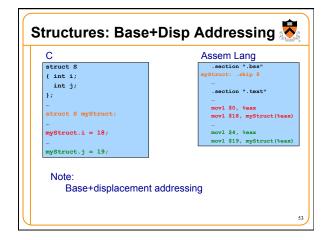


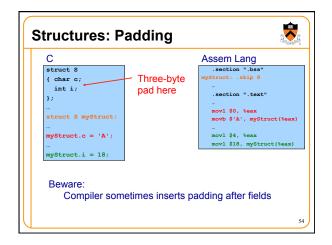


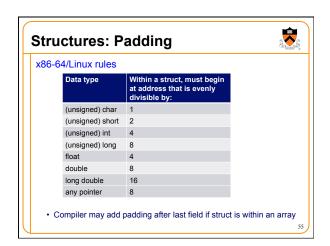


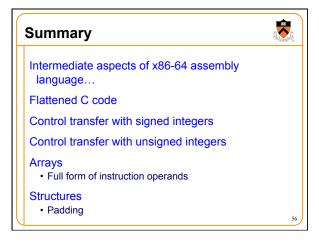


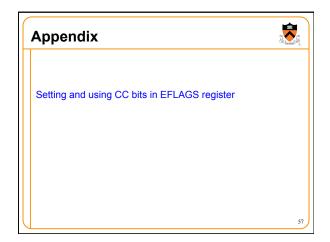


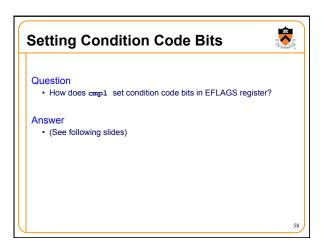


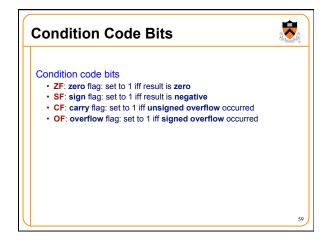


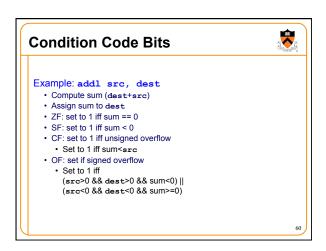


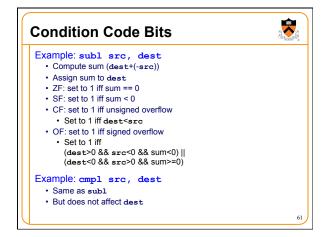


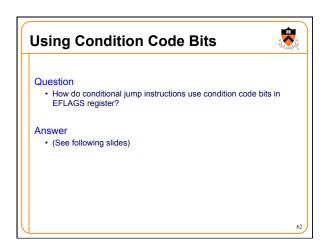


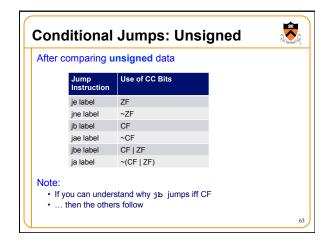


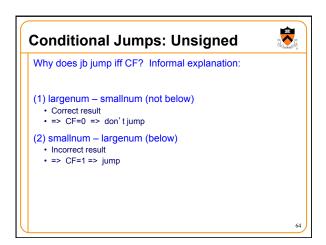


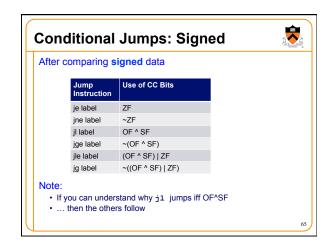


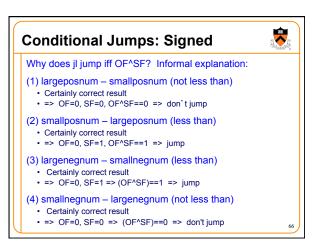












Conditional Jumps: Signed (5) posnum – negnum (not less than) · Suppose correct result · => OF=0, SF=0 => (OF^SF)==0 => don't jump (6) posnum – negnum (not less than) · Suppose incorrect result · => OF=1, SF=1 => (OF^SF)==0 => don't jump (7) negnum – posnum (less than) · Suppose correct result · => OF=0, SF=1 => (OF^SF)==1 => jump (8) negnum – posnum (less than) · Suppose incorrect result · => OF=1, SF=0 => (OF^SF)==1 => jump