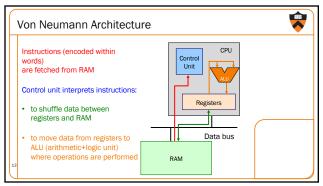
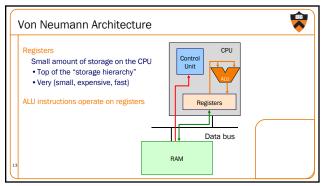
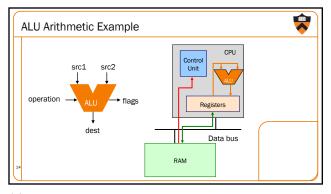


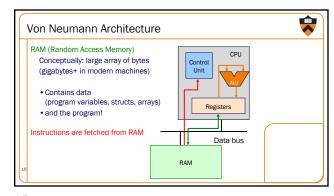
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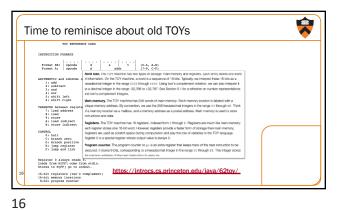


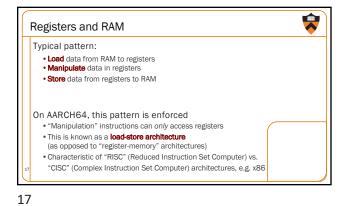


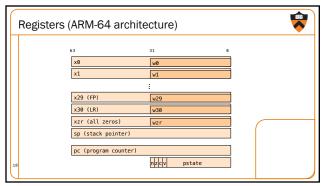
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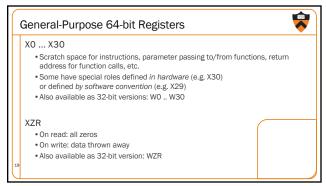


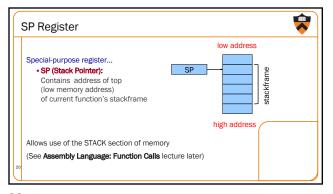


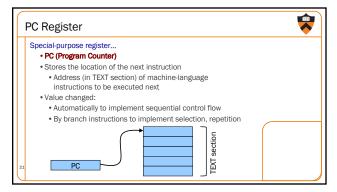


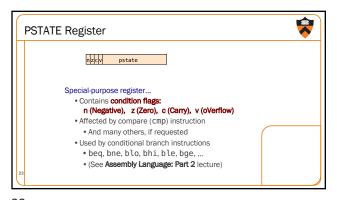


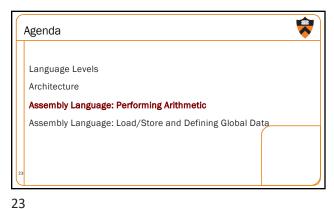




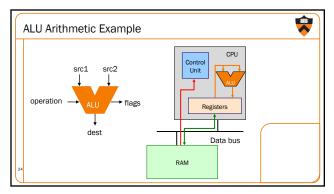


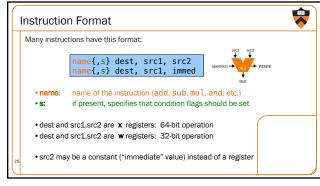




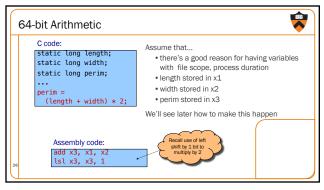


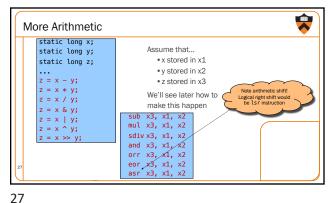
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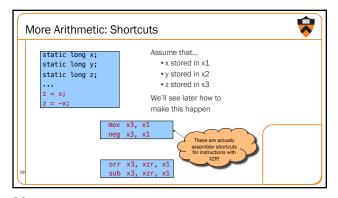


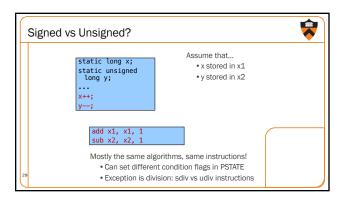


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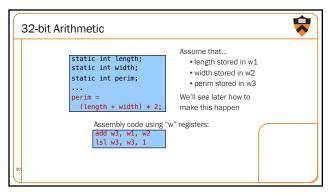


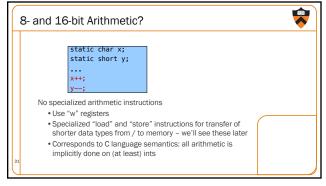




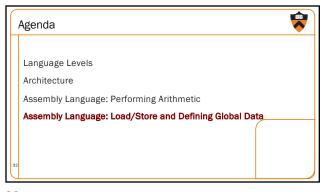


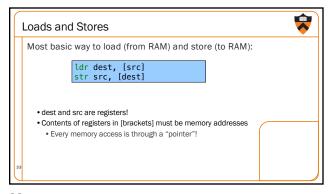
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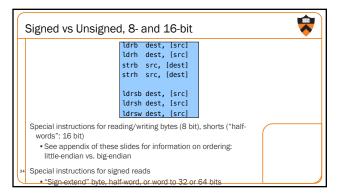




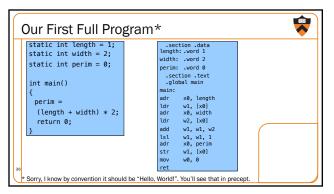
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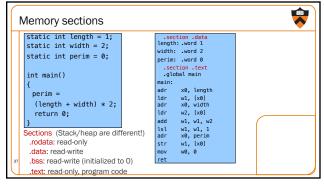




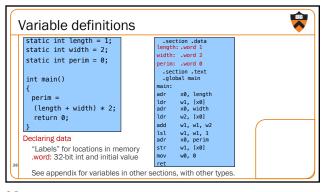


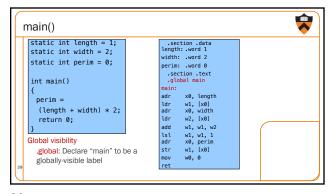
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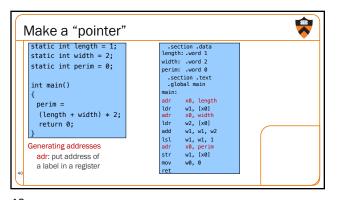




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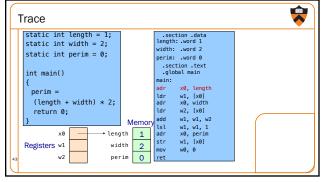




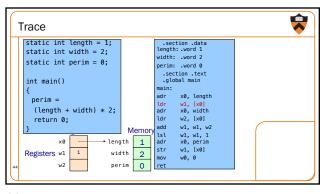
```
Loads and Stores
  static int length = 1;
                                                 .section .data
length: .word 1
width: .word 2
perim: .word 0
  static int width = 2:
  static int perim = 0;
  int main()
                                                          x0, length
    perim =
                                                          w1, [x0]
x0, width
     (length + width) * 2;
                                                 ldr
add
lsl
adr
str
                                                         w2, [x0]
w1, w1, w2
     return 0;
                                                          w1, w1, 1
x0, perim
 Load and store
    Use x0 as a "pointer" to load
                                                         w1, [x0]
w0, 0
    from and store to memory
```

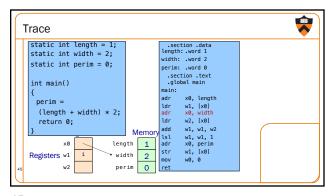
40 41

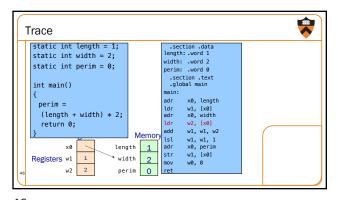
```
Return
 static int length = 1:
   static int width = 2;
                                                   width: .word 2
perim: .word 0
.section .text
.global main
  static int perim = 0;
  int main()
                                                    main:
                                                           x0. length
    perim =
                                                           w1, [x0]
x0, width
w2, [x0]
     (length + width) * 2;
     return 0;
                                                   add
lsl
adr
str
                                                           w1, w1, w2
w1, w1, 1
x0, perim
w1, [x0]
 Return a value
    ret: return to the caller*, with
    register 0 holding the return value
```

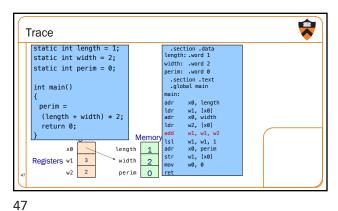


42 43

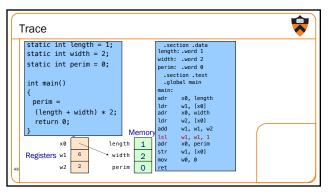


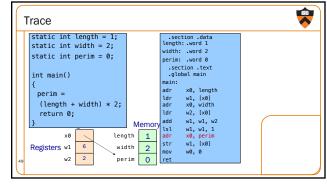




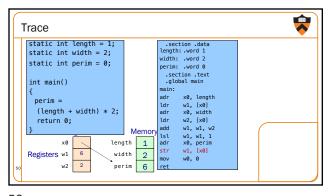


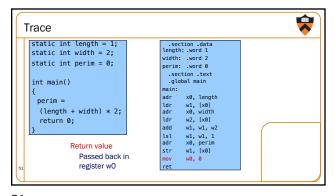
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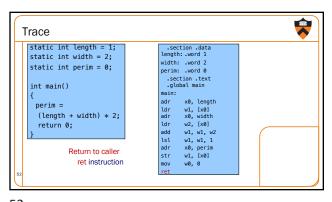




48 49

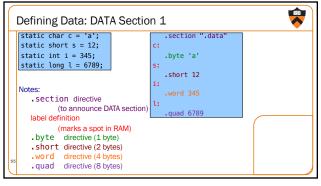


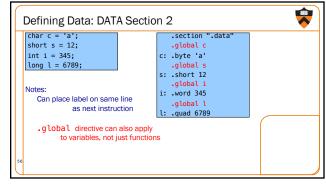






52 54





55 56

