CS 180 - AVL trees

Announcements
- Program due tonight
- Office hours: 1:30-3:30
  also tutoring today
Graft.cpp

Strategy: (for unconverted)

Base Case:

'd' then 'u' ⇒ leaf
return 0

Recursive Step:

'd' ⇒ 'd', call depth(it)

while (*i == 'd')
call depth(i)
returned max+1
Strategy: (for converted)

Base Case:

if no children and no sibling
return 0

Recursive Step:

find leftmost child
find next sibling

return max(1 + call (converted) depth, 1 + call (converted) depth)
AVL trees

within 1 in height
pivot in Binary Tree
(code or website)

pivot(ct)
insert

insert(9)