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CS 201 Data Structures
HW6
A1.
rot(4)
rot(1)
rot(3)
Α2.
fix(u)
        if (u.right != null && u.right > u)
                 fix(u.right)
        if (u.left != null && u.left < u)</pre>
                 fix(u.left)
        if(u.right != null && u.right < u)</pre>
                 swapKey(u.right)
                 fix(u.parent)
        if(u.left != null && u.left > u)
                 swapKey(u.left)
                 fix(u.parent)
АЗ.
check(u)
        Node turtle = head;
        Node rabbit = head;
        while(turtle != null && rabbit != null && rabbit.next != null)
                 turtle = turtle.next;
                 rabbit = rabbit.next.next;
                 if(turtle == rabbit)
                         return false
        return true
Α4.
check2(u)
        Node tmp = u
        while(tmp != null)
                 if(tmp != tmp.next.prev)
                         return false
                 tmp = tmp.next
        return true
```