public void put(Key key, Value val) {  
       if (key == -------------) throw new IllegalArgumentException("first argument to put() is null");  **//Blank1**  
       if (val == null) {  
           delete(-----------------);   **//Blank2**  
           return;  
       }  
       for (Node x = first; x != null; x = ------------) { **//Blank3**  
           if (key.equals(-----------)) { **//Blank4**  
               x.val = val;  
               return;  
           }  
       }  
       first = new Node(key, val,------------------); **//Blank5**  
       n++;  
   }

**Blank1:**-----------null------------------

**Blank2:**-------------x.key----------------

**Blank3:**----------x=x.next------------------

**Blank4:**-------------x.key----------------

**Blank5:**--------------first---------------

**Answer the following Questions. The following code is for rank method in Binary search ST**

public int rank(Key key) {  
       if (key == null) throw new IllegalArgumentException("argument to rank() is null");

       int lo = 0, hi = n-1;   
       while (lo <= --------) { **//Blank 1**  
           int mid = lo + (hi - lo) / 2;   
           int cmp = key.compareTo(keys[----------]); **//Blank 2**  
           if (cmp < 0) hi = mid - 1;   
           else if (cmp > 0) lo = mid + 1;   
           else return ---------------------; **//Blank 3**  
       }   
       return lo;  
   }

**Blank1:**------------hi-----------------

**Blank2:**------------keys[mid]-----------------

**Blank3:**--------------mid--------------

Suppose the following is you Binary search ST. Answer the following questions after performing operations given below.

What will be the value return by max() method when it is performed on above ST

Ans. This returns the maximum element of the list.

What will be the value return by min() method when it is performed on above ST

Ans. This method returns the minimum element of the list.

What will be the value return by select(2) method when it is performed on above ST

Ans. Returns the second key value in the list of keys.

What will be the value return by get(R) method when it is performed on above ST

Ans. Returns the value at R.

What will be the value return by floor(N) method when it is performed on above ST

Ans. Rounds it up to the greatest value of the integer.

What will be the value return by ceiling(N) method when it is performed on above ST

Ans. Rounds it up to the smallest value of the integer.