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CS 311 - HW2 Regrade Code Changes

Code Changes made to methods

**METHOD: getLastInternal()**

**Changes:**

Line 125: Refactored line, changed to throw new NoSuchElementException();

Line 128: Refactored line, changed to int elementLastIndex = list.size() - 1;

Line 129: Added line, int innerLastIndex = (elementLastIndex - 1) / 2;

Line 130: Added line, changed to return list.get(innerLastIndex);

**METHOD: trimEveryLeaf()**

**Changes:**

Line 142: Refactored line, changed to int firstNode = ((list.size() - 1));

Line 143: Added line, int firstInternalNode = (firstNode - 1) / 2;

Line 145: Refactored line, changed to for(int i = firstInternalNode + 1; i <= firstNode; i++) {

Line 146: Refactored line, changed to list.remove(firstInternalNode + 1);

Line 147: Removed line, firstNode++;

**METHOD: percolateDown()**

**Changes:**

Line 175: Refactored line, changed to int leftChild = (2 \* start) + 1;

Line 177: Refactored line, changed to int rightChild = (2 \* start) + 1;

Line 179: Refactored line, changed to if(leftChild < list.size() && list.get(s).compareTo(list.get(leftChild)) > 0) {

Line 184: Refactored line, changed to if(rightChild < list.size() && list.get(s).compareTo(list.get(rightChild)) > 0) {

Line 192: Refactored line, changed to this.percolateDown(s);

**METHOD: percolateUp()**

**Changes:**

Line 160: Refactored line, changed to int k = (list.size() - 2) / 2;

Line 162: Refactored line, changed to while(k >= 0) {

Line 163: Refactored line, changed to int s = k;

Line 164: Refactored line, changed to int leftChild = (2 \* k) + 1;

Line 165: Refactored line, changed to int rightChild = (2 \* k) + 2;

Line 167: Added line, if(leftChild < list.size() && list.get(s).compareTo(list.get(leftChild)) > 0) {

Line 169: Added line, s = leftChild;

Line 172: Added line, if(rightChild < list.size() && list.get(s).compareTo(list.get(rightChild)) > 0) {

Line 174: Added line, s = rightChild;

Line 177: Added line if(s != k) {

Line 178: Added line this.swap(k, s);

Line 180: Added line k = (k - 1) / 2;

Line 183: Added line else

Line 184: Added line break;