

Implementation of data structures and algorithms
Short Project 9: Indexed Heap and MST

Due: 11:59 PM, Nov 17th, 2019.

Submission procedure: same as usual.

Team task:

Implement Prim3, the third version of Prim's algorithm we discussed in class. You also need to extend BinaryHeap to IndexedHeap to support decreaseKey operation. Starter code BinaryHeap.java and MST.java are provided. BinaryHeap is different from the one given for SP5. It has a new nested class IndexedHeap, and related methods. Reuse relevant code from SP5.