

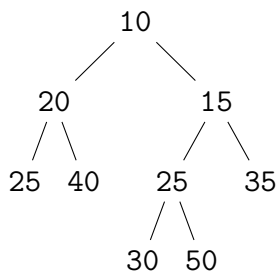
Today: Review.

Next class: Midterm Exam 2.

1. List the members of your group below. Underline your name.

2. Is there a tree that is a valid skew heap but not a valid binary heap? If so, depict the tree and explain its properties; otherwise, explain why no such tree is possible.
Repeat for a tree that is a valid binary heap but not a valid skew heap.

3. Provide a sequence of skew-heap operations that yields the following trees when applied to an empty heap, and depict the action of the operations, or explain why no such sequence is possible.



4. Repeat Question 3 for pairing heaps.

5. Depict, using unambiguous abbreviations as needed, the pairing heap resulting from the following sequence of operations applied to an initially empty heap:
ins(1), ins(2), \dots, ins(100), deleteMin.

6. Repeat Question 5 for a skew heap.