• **Reading:** Chapter 2.4.3.

• **Further Reading:** Wiki: Double-ended priority queue.

• This note is supplementary to the slides. Please read them both.

1 Remarks

• It is a good exercise to formulate a rigorous proof of the correctness of the up-heap and the down-heap bubbling.

• We mentioned some interview-level questions: such as remove any node in the heap, replacing min by max, and obtaining both min and max at the same time. Refer to the Wiki page above.

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1Contents will appear in homework and exams.
2Contents won’t appear in either homework or exams.