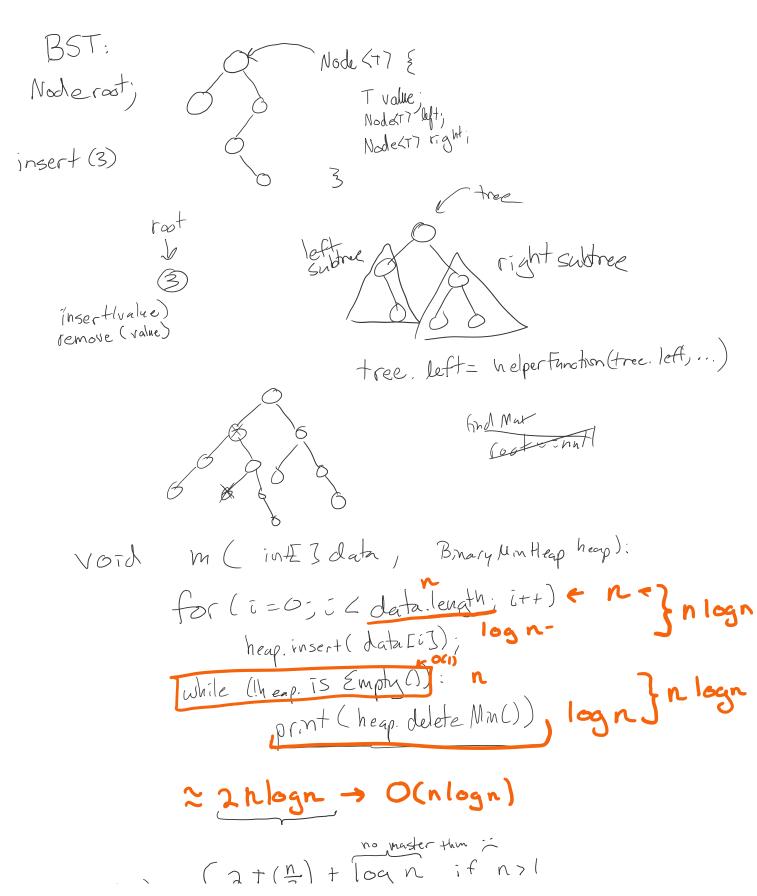
Friday, July 13, 2018 1:05 PM

New e-mail rule: Only e-mail me at "benjones@cs.washington.edu" Include "[CSE 373]" somewhere in the title.



$$T(n) = \begin{cases} 2 + (\frac{n}{2}) + \log n & \text{if } n > 1 \\ 1 & \text{otherwise} \end{cases}$$

$$T(n) = \begin{cases} \log n + 2 T(\frac{n}{2}) \\ \log n + 2 (\log \frac{n}{2} + 2T(\frac{n}{2})) \end{cases}$$

$$= \log n + 2 (\log \frac{n}{2} + 2 (\log \frac{n}{2} + 2T(\frac{n}{2})))$$

$$T(n) = \begin{cases} \log n + 2 (\log \frac{n}{2} + 2 (\log \frac{n}{2} + 2T(\frac{n}{2}))) \end{cases}$$

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$$T$$

$log(\frac{n}{2^i}) = logn - log2^i = logn - i$

Probing:

	= h(x) + i %T
linear probing Capachs quadrate probing poor	in demont = h(K)+i2 %ot
double hashing: cap2 probings	= h(k) + ig(k) / T $= h(k) + ig(k) = 3$ $= g(k) = 3$
	X X X X