

1. $F(n) < 5n$
2. removing an element takes $O(\log n)$ time in the worst case
The minimum element can be found in $O(\log n)$ time
3. $HC(n) = HC(n-1) + HC(n-2) + HC(n-3)$
4. $M(n) = M(\frac{n}{2}) + 1$
5. Answers which scored in the top 27%
6. $M(n) = 2 * M(\frac{n}{2} + 1)$
7. Answers which scored in the top 27%