

Advanced Analysis of Algorithms

K. Subramani, LCSEE, West Virginia University

August 20, 2013

1. Read the Syllabus.
2. Notion of an algorithm.
3. What needs to be analyzed in an algorithm? Measures.
4. Why analyze an algorithm (Predictability).
5. Approach of this course - Math before analysis. Why?
6. Emphasis on design and not data structuring.
7. Emphasis on using techniques not proving them.
8. Emphasis on an efficient method; not the most efficient one. Matrix multiplication issue.
9. Approach will be $B \rightarrow C$, $A \rightarrow B$ and $C \rightarrow A$.