Lab 1

Formatting

- No black backgrounds
- Use serif fonts for text
- Use monospaced fonts for code
 - Block indent
- Code appears exactly as in IDE

Label clearly in appendix.



2

- Use Latex defaults
 - 12 point font
 - Single space
 - 1.5 inch margins on all sides
- Stapler

Printing



- Be careful about assumptions
 - Cite it
 - Prove it
 - State "I assume that ..."
 - Leave it out
- Compiler vs interpreter
- Stick to the prompt

Content

4

Presentations

Winston on Presentations Pick

- Time
- The room
 - Shape matters
 - Park 227, Park 338,
 - Park 245
 - Park 300
 - A happy place

- Pick your location
- AV issues
- Lights on
- Chat up early arrivers

Practice



- Be Happy
- VSN-C
 - Start with Vision
 - Steps
 - News
 - Finish with Contributions

Thetalk

Contributions == Conclusions

- No "thank you"
- No collaborators
 - if needed, do early

"you have too many slides and all of them have too many words"

Winston

Do not read





No cute clip art

Avoid bullet lists

Use big fonts

(use even bigger fonts)

"page 1 or 12"?

Progress bars -- maybe



Props

Titles

Um like **er...** you know







Monotone

Pockets



P = NP?

from wikipedia



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NP-Complete

- NP = Non-determinitic Polynoimial
- in NP == Solution is verifiable in P time
- problem is provably equivalent to other NP complete problems

vertex cover of a graph is a set of vertices that includes at least one endpoint of every edge.





Vertex Cover Algorithm Find the minimum vertex cover of a graph • We will discuss graph representations, just make something up for now



Vertex Cover Algorithms

Optimal algorithm

Naive algorithm

Greedy Algorithm

xkcd??



More on xkcd.com

An algorithm to consider

- Given two lists of integers
 - call these A and B
- Find: min(abs(A[i]-B[j])

