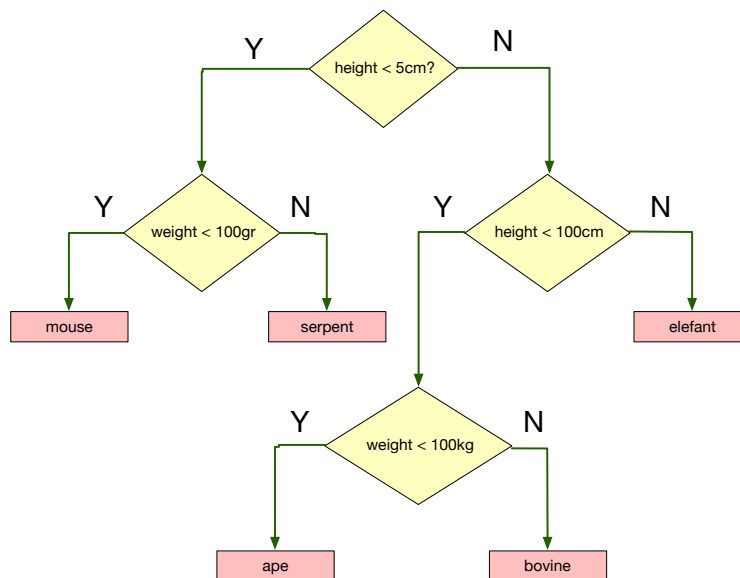


Midterm 1 Preparation

Volume 3

1. Write a program that asks the user for a distance in nautical miles and returns the distance in kilometers.
2. Write a program that asks the user for a string. It then prints out the same string with all vowels capitalized.
3. Write a program that asks the user for a height and a weight value. The program then prints out a decision obtained by using the following decision tree:



Legal Disclaimer: No claims are made that this decision tree represents reality exactly and any reliance on this decision tree by a user remains a decision made by said user. User agrees to not hold the creator of this decision tree, the Department of Mathematics and Computer Science at Marquette University and its successors, Marquette University, and all and sundry responsible for the use of this decision tree. Said user agrees that use of this decision tree under any circumstance if sole responsibility of said user. Said user agrees that said user has been warned against using this decision tree. Said user agrees that no claims have been made regarding the applicability of said decision. That said, said user will include said notice in all programs, applications, or other works of science, engineering and art and any other products that use this decision tree.

4. Write a function that opens a file in which there are words on each line. The function writes all words that start with an "E" or "e" into another file.