2.

Indented Text Tree:

H,5

R,3

X,7

S,0

E,12

A,8

C,4

P,10

M,9

L,11

5. If the tree holds true to a random-key distribution it should take approximately log\*n time to determine the depth of a key in the tree.

6. In the worst case scenario the depth will take time proportional to n to determine the depth of the key in the tree.