

A4 Marking scheme, Total 100%

Q1 60%

a program submitted	2%
program compiles:	2%
correct results:	56%

A correct result includes if the input word K is found or not found in the tree, each word W compared in searching for K, and the minimum average number of comparisons of the subtree rooted at node V that contains W.

Q2 40%

a program submitted	2%
program compiles:	2%
correct results:	36%

A correct result includes if the input word K is found or not found in the tree, each word W compared in searching for K, and the probability of W.