5 Report Structure

As a guide, the report could contain the following sections:

• Theoretical analysis on running time and complexities of the different data structure

implementation as outlined in Section 4.

• Explain your data and experimental setup. Things to include are (brief) explana-

tions of the parameter configurations in your experiments, e.g., the range of maze

dimensions sizes (add some brief explanation of why this range selection), describe

how the evaluation parameters and data are generated (a paragraph and perhaps a

figure or high level pseudo code suffice) and which approach(es) you decide to use

for measuring the timing results.

• Evaluation of the data structures using the generated data. Analyse, compare and

discuss your results. Provide your explanation on why you think the results are as

you observed. You may consider using the known theoretical time complexities of

the operations of each data structure to help in your explanation.

• Summarise your analysis as recommendations, e.g., for this range of maze dimen-

sions, I recommend to use this data structure because... We suggest you refer to

your previous analysis to help.

