

A4 Post Mortem

Question 1

- This question was generally well done
- In part (1b) some students stated that $k = \sqrt{n}$ was optimal without any justification

Question 2

- This question was generally well done
- Some students gave a final answer for (2e) with no justification or acknowledgement of the formula used at all

Question 3

- This question was generally well done

Question 4

- Many students forgot about the end sentinels (\$) and did not include them in the height in (4a).
- Some students said that the height of the compressed trie was also $n + 1$ instead of n since the end sentinels on the last level get compressed

Question 5

- Many students omitted an explanation of the $o(n)$ term in (5b)

Question 6

- This question was generally well done
- Some students didn't bound the number of nodes they visit which don't end up in the final output
- Some students used `BinaryHeap::delete-min` which depends on n .