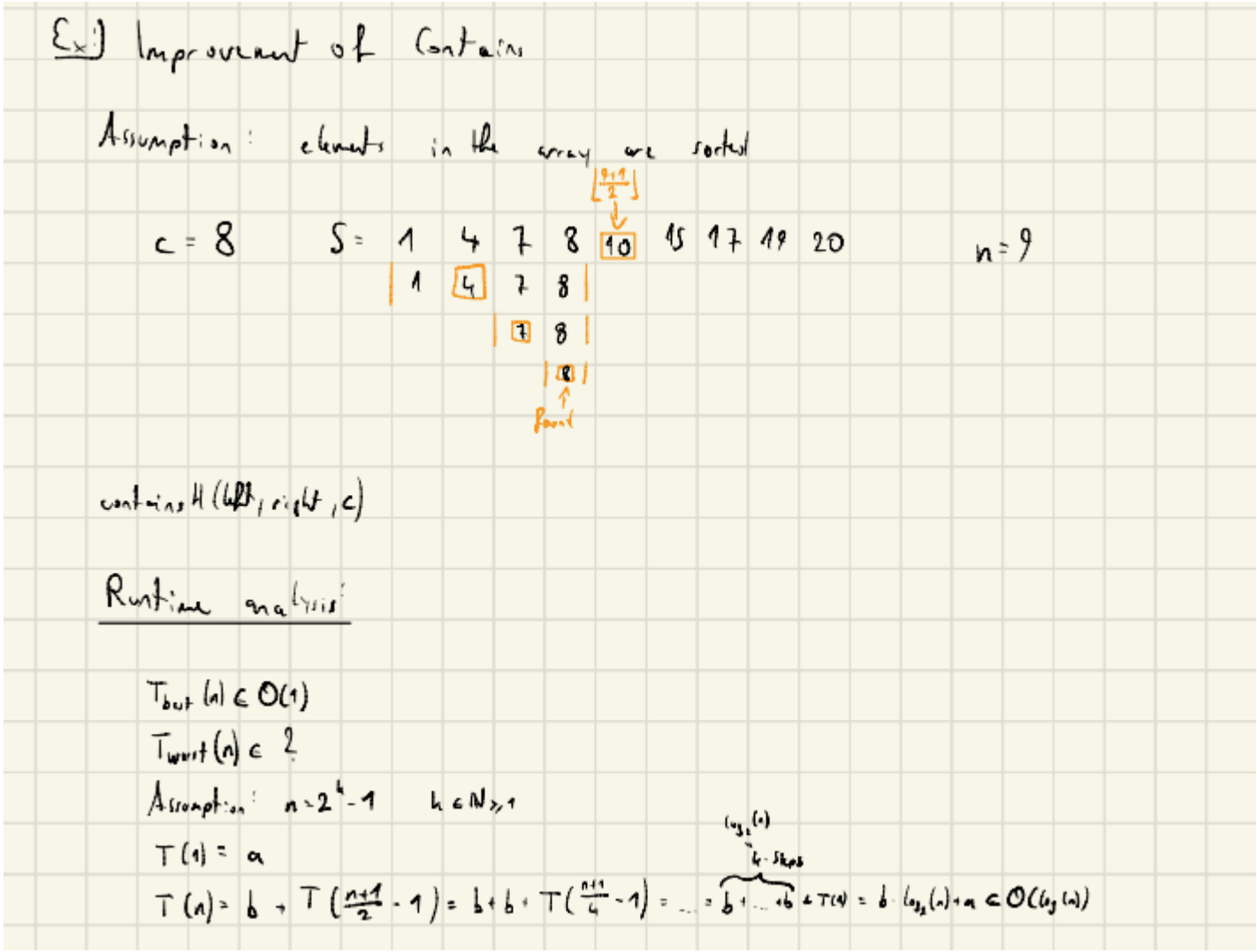
Note: The other Tasks were all done in the Files Main.cpp, Functions.h and Matrix.h. Also all Questions were answered directly in the implementation using comments.

1 Task 7 - complexity analysis

Given the complexity analysis of Binary Search from the lecture:



Binary search thus has a complexity of $\mathcal{O}(log_2(n))$.

Trinary search