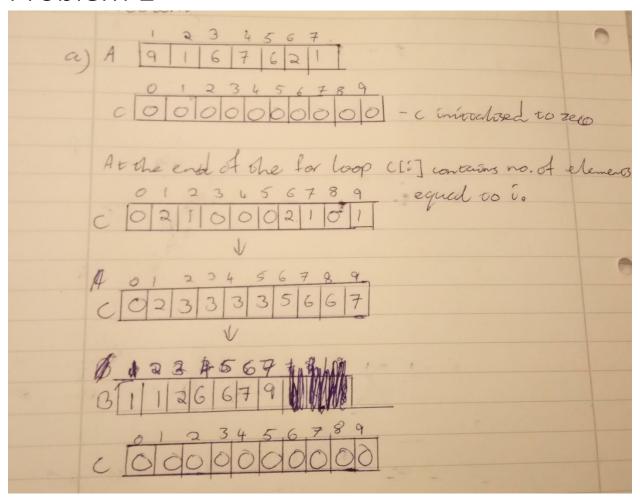
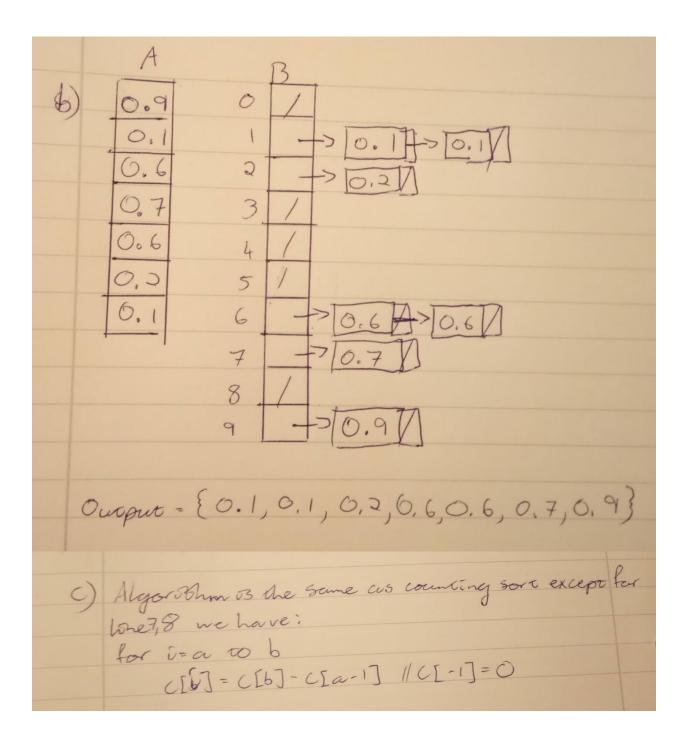
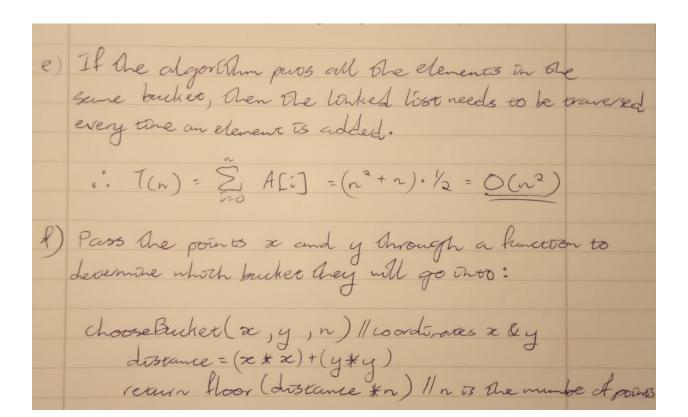
Problem 1







Problem 2

- a) Please find attached C++ file.
- b) The storage of the implementation is $\Theta(n)$ for the original array plus $\Theta(10)$ for array C plus $\Theta(n)$ for the output array. Therefore, the asymptotic storage space is $S(n) = 2n + 10 \rightarrow \Theta(n)$.

$$T(n) = \Theta(n \log n)$$
.

P.S. I have not attached the medical excuse because I didn't download the scan within the time period of 3 days.

From: Qpilot Server <noreply@jacobs-university.de>

Sent: Monday, March 19, 2018 2:06 PM

To: Haka, Sara

Subject: QPilot scan downloads (s)

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