Worksheet 13 Solution

March 22, 2020

Question 1

- a. Exact number of iterations: nSimplest theta expression: $f_1 \in \Theta(n)$
- b. Exact number of iterations: n-4Simplest theta expression: $f_2 \in \Theta(n)$
- c. Exact number of iterations: nSimplest theta expression: $f_3 \in \Theta(n)$
- d. Exact number of iterations: $n^2 20$ Simplest theta expression: $f_4 \in \Theta(n^2)$
- e. Exact number of iterations: $n^2 20 + n$ Simplest theta expression: $f_5 \in \Theta(n^2)$

Question 2

Question 3