

WEEK 1

(till 19 june, 2020)

Questions

My Answers

LOOP_CMPL

B (because i thought time & space complexities are the same)

NESTED_CMPL

A(loop inside a loop with n iterations each is n^2)

NESTED_CMPL2

D (same logic as above)

CHOOSE4

B (On taking eg of 2 algorithms and put 100000 in both to see)

REC_CMPL1

D(got it right after 2 tries, 1st ans was $\log n$ 2nd was $n \log n$)

REC_CMPL2

Wasn't able to solve

REC_CMPL3

Wasnt able to solve

WHILE_CMPL

A(didn't pay enough attention on $i/2$,got the correct ans later)

NESTED_CMPL3

D(the loop runs $N(gp)$ times)

LOOP_CMPL2

B(outer loop runs N times inner runs $\log n$ times)

GCD_CMPL

A(got it right in the second try)

AMORTIZED1

A(got it right in the second try)

CHOOSE1

C(got it right in second try, i wasn't able to understand firstly)

CHOOSE3

C

CHOOSE2

(Wasn't able to solve)