

PSET NUMBER

Problem NUMBER-1

a) aligning equations:

$$f_1(n) = 1$$

$$f_2(n) = 2$$

$$f_3(n) = 3$$

$$f_4(n) = 4$$

$$f_5(n) = 5$$

b) gathering equations

$$f_1(n) = 1$$

$$f_2(n) = 2$$

$$f_3(n) = 3$$

$$f_4(n) = 4$$

$$f_5(n) = 5$$

Problem NUMBER-2

a) include code:

b) casework:

Case 1: case 1

 this is case 1

Case 2: case 2

 this is case 2

c) theorems and proofs:

Theorem: this is a theorem

Proof. This is a proof

Base Case: This is a base case

Inductive Step: This is an inductive step

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