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Intro to Algorithm Analysis – Assignment 2

1.

1. M(3) = 3

M(4) = 3

M(5) = 3

M(6) = 3

M(7) = 3

M(8) = 4

1. M(n) = 1 + M(n-1)

2.

f(n) = 1000000

f(n\*ln(n)) = 87,847.5

f(n) = 10,000

f() = 1,000

f() = 100

f() = 144.95

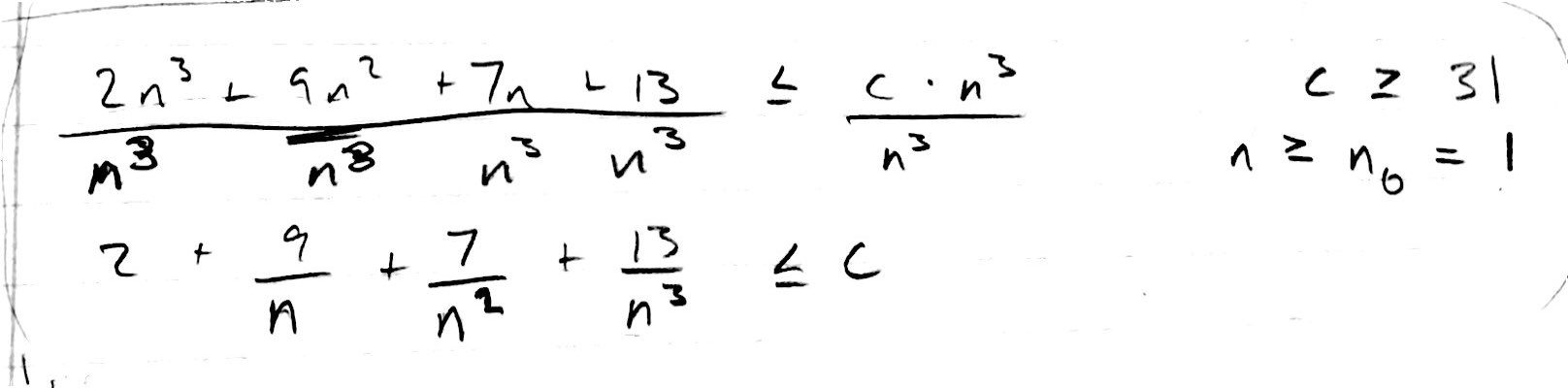
f() = 19.93

f() = no solution

f() = 7.066

3.

1.



2.