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Homework 3 Question 5

1. 1) T(n/2) + c => Θ(logn)

2) T(n/2) + cN => Θ(N log N)

3) T(n/2) + cn => Θ(n)

1. 1) 2T(n/2) + cn => Θ(n log n)

2) 2T(n/2) + cn + 2Θ(N) => log N2 => Θ(log N2)

3) 2T(n/2) + cn + 2cn/2 => Θ(n log n)