Sheet3

Solve Recurrence Relation Using Master Method

a) T(n) = 2T(n/2) + n log n

b) T(n) = T(2n/3) + 1

c) T(n) = 2T(n/2) + n^3

d) T(n) = 3T(n/3) + $\sqrt{n}$

Solve Recurrence Relation Using Recursion Tree Method

a) T(n) = 3T(n/3) + n^2

b) T(n) = T(n-1) + T(n-2)

c) T(n) = 2T(n/2) + 10

d) T(n) = 3T(n/3) + n^2

Solve Recurrence Relation Using Iteration/Substitution Method

a) T(n) = 2 T(n/2) + n

b) T(n) = T(n-1) + 1

c) T(n) =2T(n/4) + $\sqrt{n}$
