Master Theorem Practice File

1. T (n) = 3T (n/2)+ n2
2. T (n) = 4T (n/2)+ n2
3. T (n) = T (n/2) + 2n
4. T (n) = 2nT (n/2) + nn
5. T (n) = 16T (n/4)+ n
6. T (n) = 2T (n/2)+ n log n
7. T (n) = 2T (n/2)+ n/ log n
8. T (n) = 2T (n/4)+ n0.51
9. T (n) = 0.5T (n/2)+ 1/n
10. T (n) = 16T (n/4)+ n!
11. T (n) =√2T (n/2) + log n
12. T (n) = 3T (n/2)+ n
13. T (n) = 3T (n/3)+ √n
14. T (n) = 4T (n/2)+ cn
15. T (n) = 3T (n/4)+ n log n
16. T (n) = 3T (n/3)+ n/2
17. T (n) = 6T (n/3)+ n2 log n
18. T (n) = 4T (n/2)+ n/ log n
19. T (n) = 64T (n/8)− n2 log n
20. T (n) = 7T (n/3)+ n2
21. T (n) = 4T (n/2)+ log n
22. T (n) = T (n/2) + n(2 − cos n)