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

a = 3, b = 2, k = 1, p = 0

3>2

T(n) = Ѳ(nlog^a,b)

T(n) = Ѳ(nlog^3,2)

1. T(n) = 64T(n/8)-n^2(logn)

A = 64, b = 8, k = 2, p = 1

64 = 8^2, 64 = 64, p>-1

T(n) = Ѳ(n^log^a,b log^p+1,n)

T(n) = Ѳ(n^log^64,8 log^1+1,n)

T(n) = Ѳ(n^8log^2,n)

1. T(n) = 2nT(n/2)+n^n

a = 2n, b = 2, k = n, p = 0

2n = 2^n, p>-1

T(n) = Ѳ(n^log^a,b log^0+1,n)

T(n) = Ѳ(n^n logn)

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

a = 3, b = 3, k = 1, p = 0

3=3

T(n) = Ѳ(n^long^a,b log^p+1,n)

T(n) = Ѳ(n^log^3,3 log^0+1,n)

T(n) = Ѳ(nlogn)

1. T(n) = 7T(n/3)+n^2

a = 7, b = 3, k = 2, p = 0

7<3^2, 7<9

T(n) = Ѳ(n^k log^p,n)

T(n) = Ѳ(n^2 log^0,n)

T(n) = Ѳ(n^2)