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

Solution: Case 3 of Master’s theorem

I.e : (n^)

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

Solution : Not applicable ( doesn’t satisfy any Master’s Theorem Solution )

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

Solution : Case 1 of Master’s Theorem

i.e : (n^n) where n>2

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

Solution: case 2

i.e )

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

Solution: case 1

i.e n^2