Time Complexity Solutions:

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

* T(n) = (n^log 3) (case 1)

1. T(n) = 64T (n/8) – n^2(log n)

* N.A

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

* N.A

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

* T(n) = (n log n) (case 2)

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

* T(n) = (n^2) (case 3)