**Meenu Pradeep Jaiswal – Master Theorem Solution:**

1. T (n) = 3T (n/2) + n = 🡪 case c
2. T (n) = 64T (n/8) − n^2(log n) 🡪 NA 🡪 f(n) is not positive.
3. T (n) = 2nT (n/2) + n^n 🡪 NA 🡪 a is not constant.
4. T (n) = 3T (n/3) + n/2 = 🡪 case b
5. T (n) = 7T (n/3) + n^2 = 🡪 case a