**Answers:**

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

**Ans**: )

1. T (n) = 64T (n/8) − n^2(log n)

**Ans**: NA f(n) is negative

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

**Ans**: NA

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

**Ans**:

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

**Ans**: