

$$T(n) = 8T\left(\frac{n}{2}\right) + 1$$

$$T(n) = T\left(\frac{n}{2}\right) + n^2 \log^2 n$$

$$T(n) = 2T\left(\frac{n}{2}\right) + \frac{n}{\log n}$$

$$T(n) = 9T\left(\frac{n}{3}\right) + 1$$

$$T(n) = 8T\left(\frac{n}{2}\right) + n$$

$$T(n) = 4T\left(\frac{n}{2}\right) + n^2 \log^2 n$$

$$T(n) = 8T\left(\frac{n}{2}\right) + n^3$$

$$T(n) = 4T\left(\frac{n}{2}\right) + \frac{n^3}{\log n}$$

$$T(n) = 8T\left(\frac{n}{2}\right) + n^2$$

1. $T(n) = T(n - 1) + 1$
2. $T(n) = T(n - 1) + n$
3. $T(n) = T(n - 1) + \log n$
4. $T(n) = 2T(n - 2) + 1$
5. $T(n) = 3T(n - 1) + 1$
6. $T(n) = 2T(n - 1) + n$