$$T(n) = 8T\left(rac{n}{2}
ight) + 1$$
 $T(n) = T\left(rac{n}{2}
ight) + n^2\log^2 n$ 
 $T(n) = 2T\left(rac{n}{2}
ight) + rac{n}{\log n}$ 
 $T(n) = 9T\left(rac{n}{3}
ight) + 1$ 
 $T(n) = 8T\left(rac{n}{2}
ight) + n$ 
 $T(n) = 4T\left(rac{n}{2}
ight) + n^2\log^2 n$ 
 $T(n) = 8T\left(rac{n}{2}
ight) + n^3$ 
 $T(n) = 4T\left(rac{n}{2}
ight) + rac{n^3}{\log n}$ 
 $T(n) = 8T\left(rac{n}{2}
ight) + n^2$ 

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. 
$$T(n) = 2T(n-1) + n$$