Latinan 2 13220029 / Fariz | Stikhar Falakh

1.
$$T(n) = ...$$
?
 $T(0) = 0$
 $T(1) = 0$
 $T(1) = 1$
 $T(2) = 1$
 $T(3) = 3$

1.
$$\overline{f}(n) = S = O(1)$$
.
La Ambi($C = S$) & $\overline{f}(n) = O$ — D make $S = S \cdot 1$ — D make $T(n) = S = O(1)$

7. $T(n) = 5 \log(3^n) = O(n)$ 6. $Uniuk = n \ge 0$, $\log(3^n) = n \le n$, maka

5. $\log(3^n) \le 7$ in e = O(n), dengan = 08. $T(u) = \log(n!) = O(n \log(n))$.

6. $Uniuk = n \ge 1$, $\log(n!) \le n \log(n)$, maka

1. $\log(n!) \le n \log n = 0 (n \log(n))$, dengan = 1

13-1-3

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