```
tralogy Nº5
Public Static String unknown (Int [] orap) (
Int K=0
        Int i = organ lenght i
           rcturn inkou";
         e15e
              While (171)
          INT SUBORD []: OMOUN (SUBORD),

TUM N + ~ < - " + UKNOWN (SUBORD),
          cre o inc2
         CTE, + 9.C1 + T(N/2) ; N72
 T(n) = CTe_1 + \Omega \cdot C_1 + T(n/2) ; n/2 ; i=1
      L, T(n/2) = CTe3 + n/2 . C1 +
TIN1: CTC, + D. C1 + CTC, + D. C1 + T(D)
I(n): 2CTP + 3n C1 + TIn ), n>4; i=2
71174 2 CTP1+ 11/4 9 + 11/1/4)
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TIM 3CD1+7nG+TIM1; n 28; 1=3

- 3) $\pi(n) = K \text{ CTP}, + \frac{n}{2^k} C_1 + T(\frac{n}{2^k}), n, 2k$
- $9 D = 1 n = 2^k k = 1092(n)$
- T(N)=1092(N) CTE, +1. C, +T(1)

 T(N)=1092(N) CTE, +(1. + CTE)

 T(N)=1092(N).CTE, +CTE; N71; CTE3=C,+CTE0
- 3 T(N) = $KCIP_1 + NC_1 \cdot \sum_{i=1}^{k} \frac{1}{2^i} + T(\frac{D_i}{2^i})_i N_7 2^k$ $\frac{N}{2^i} = 1 \rightarrow N = 2^k \rightarrow K = 100 \times (N)$
- 4) T(n)=109(n), $CTe_1 + n.C_1 \cdot \left(\frac{1}{n} \cdot \frac{1}{n}\right) + T(1)$

T(N): 1092(N).CTe, + C. (N-1) + CTe.

0(n) = a(129 (n)) . o(n) - o(n) = n.109 (n)

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