Визноченти гас виконання програми у явиому виниері a) $T(n) = \begin{cases} 4, & n \leq Q, & \alpha > 0 \end{cases}$ $k\alpha < n \leq (k+1)\alpha$ $k\alpha < n \leq (k+1)\alpha$ n>a=> +(n)=+(n-a)+1=++(n-2a)+2 T(n-3a)+3=== T(n-kx)+k= k+1 (5) ke[n-1, n) RCO y Hanipeway

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a +1 1 k = a-1 2> $\begin{cases} 4 & n=0 \\ T(n-1)+a^n, n \ge 1 \end{cases}$ $T(n) = T(n-1) + 2^{h} = T(n-2) + 2 \cdot 2^{h} = T(n-3) + 3 \cdot 2^{h} = -$ = T(0) +n 2 = n.2 + 1 T(n) = {2T([n/2])+1, n > 2 n=2 => T(n)=2T(2m-1)+1=2(2mT(2m) = 2 T(2") + 2+1= 2 (2. T(2 +2+3= $= 2^{3}T(2^{m-3})+2^{2}+2+1= = 2^{n}T(2^{m-1})$ 1 2 2 -1 = 2. 2 logen $T(n) = \begin{bmatrix} 1 & n=1 \\ a & T([n/a]) + n, n \neq 2, a \neq 2 \end{bmatrix}$ n= am => T(n)=a. T(am-3) + am = a. 7 (am-2) 3 T(a = a(a T(am)+am)+am = a T(a m 2) + a m+ + am = = a2 (a. T(am3) + am2) + 2 a2 a3. T(am3) + 3 am = - = am. T(1) + t mam = / m= log an / = a loga / (1+ m) = n (1+ loga n) = n + n loga n