

$$3.1 (1) T' = \max\{T\} + T_0 = 2ns + 0.1ns = 2.1ns$$

$$(2) A \approx \frac{T}{T'} = \frac{7ns}{2.1ns} = 3.33$$

(3) 设有  $n$  个流水级,  $A(n) = \frac{T}{\max\{T_i\} + T_0}$ , 当  $n \rightarrow \infty$ , 令  $T_i \rightarrow 0$ .

$$\text{则 } A_{\max} = \frac{T}{T_0} = 70$$