第三章习题

1.① $t = \max(1+0.1, 1.5+0.1, 1+0.1, 2+0.1, 1.5+0.1) = 2.1\text{ns}$

$\therefore T = 2.1\text{ns}$

② $t_{old} = 7N \quad t_{new} = 2.1N + 5.4$

$\therefore S = \frac{t_{old}}{t_{new}} = \lim_{N\to\infty} \frac{7N}{2.1N+5.4} = 3.33$

③ ∵ 无限细分割，每个阶段 $t_i \to 0$

$\therefore T = 0.1\text{ns}$

$\therefore S = \frac{7}{0.1} = 70$