

1(2) 时钟周期  $t_{new} = 2.1 \text{ ns}$

$$12) 加速比 s = \frac{T_{new}}{T_{old}} = \frac{2.1 \times (N+4)}{7 \times N} = 0.3 \left(1 + \frac{4}{N}\right)$$

$$13) 加速比极限为 s_{max} = \frac{0.1}{7} = \frac{1}{70}$$