

2023.4.4

1.1)  $T_{pipe} = t_{mem} + t_{delay} = 2.1ns$

2)  $S = \frac{T_{pipe} \cdot C_{pipe}}{t_{cycle} \cdot C_{pipe}} \approx \frac{T_{pipe}}{t_{cycle}} = 0.3$

3) 当分为无数个阶段时每一阶段耗时约为0, 则  $T_{pipe} = t_{delay} = 0.1ns$

吞吐量  $= \frac{1}{70} \approx 0.0142$