1. 1) 时钟周期至少应为 2.1 ns.

2) $S \approx \frac{T_{pipe}}{T_{cycle}} = \frac{2.1\,ns}{7\,ns} = 0.3$

3) $S = \frac{T_{pipe}}{T_{cycle}} \times \frac{CPI_{pipe}}{CPI_{cycle}}$

$= \lim_{n \to +\infty} \frac{\frac{T_{cycle}}{n} + 0.1}{T_{cycle}} \times 1$ ($n \to +\infty$ 是否可以为指令总数 N 级远大于 n ?)

$\approx \lim_{n \to +\infty} \left(\frac{1}{n} + \frac{1}{70}\right) = \frac{1}{70}$