3.1 (1) $T_{pipe} = 2.1\ ns$

(2) $S \approx \frac{T_{cycle}}{T_{pipe}} = \frac{7}{2.1} = 3.33$

(3) $T_{pipe} > T_{register} = 0.1\ ns$.

(4) $S_{max} = \frac{T_{cycle}}{T_{register}} = \frac{7}{0.1} = 70$