1. (1) $2ns + 0 \cdot \ln s = 2 \cdot \ln s$

(2) $S = \dfrac{7ns}{2 \cdot \ln s} \approx \times \dfrac{N}{N+k-1} \approx$ ~~3.33~~

(3) $S = \dfrac{7ns}{0 \cdot \ln s} \times \dfrac{N}{N+k-1} \approx 70.$