

$$1. \quad 11) \quad 2ns + 0.1ns = 2.1ns$$

$$12) \quad S = \frac{7ns}{2.1ns} \times \frac{N}{N+K-1} \approx \cancel{7.33} \quad 7.33$$

$$13) \quad S = \frac{7ns}{0.1ns} \times \frac{N}{N+K-1} \approx 70.$$