

No.

Date 作业10

$$5. f_A = 15\% f_0 \left( 10\% \frac{1}{3T} + 90\% \times 10\% \times \frac{1}{4T} \right)$$

设周期为  $T$   $T_1 + T_2 = T$   $\frac{1}{T_1} : \frac{1}{T_2} = 15\% \therefore \frac{T_2}{T_1} = \frac{3}{20}$

$$T_1 = \frac{20}{23} T \quad T_2 = \frac{3}{23} T$$

$$T_A = \frac{20}{23} T \times (10\% \times (3+1)) + 90\% \times 10\% \times (4+1) + 90\% \times 90\% \times 1$$

$$= 1.44T$$

$$T_B = 3T$$

$$\therefore S = \frac{T_B}{T_A} = 2.08$$

12.

11) for (i=1; i<10000; i++) { if (i%2==0) code A else if (i%5==0) code B }	for (i=1; i<10000; i++) { if (i%2==0) if (i%5==0) Code B } else code A }
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12) B1: 50%  
    B2: 20%  
    B3: 0.01%

13) B1: 0%  
    B2: 60%  
    B3: 99.98%

13. 11)  $k_{min} = 8$ (2)  $N_{min} = 2$ 

(3) B1: 50%

B2: 80%      B3: 99.99%



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