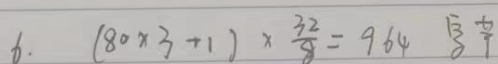
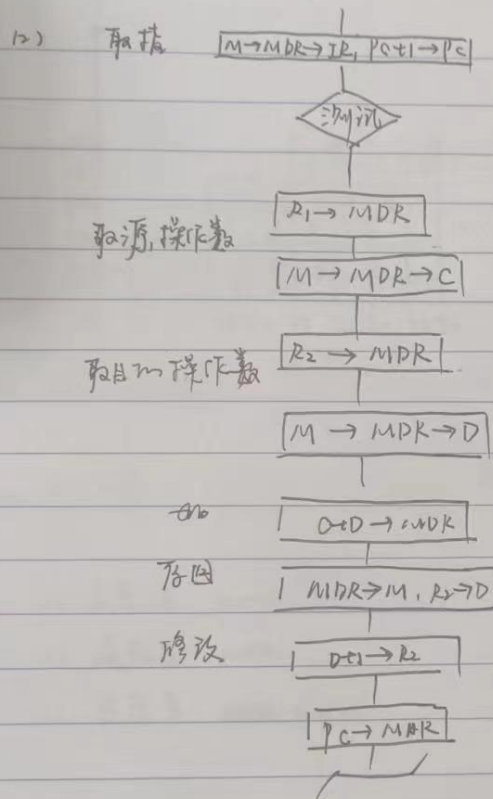


1. 在 CPU 中

- 2.





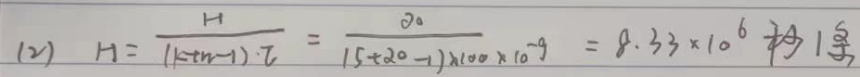
12.

1) $T = \max \{ 100 \text{ ns}, 100 \text{ ns}, 80 \text{ ns}, 50 \text{ ns} \} = 100 \text{ ns}$

2) 2个时钟周期

3) 不发生停顿。

13.



$$13. S = \frac{I_s}{I_p} = \frac{n \tau k}{(k n - 1) \cdot 2} = \frac{20 \times 5}{2 \times 0.5 - 1} = 60.1$$

12) 读后学 WAR

(3) 5斤5 ~~10斤~~ 10斤