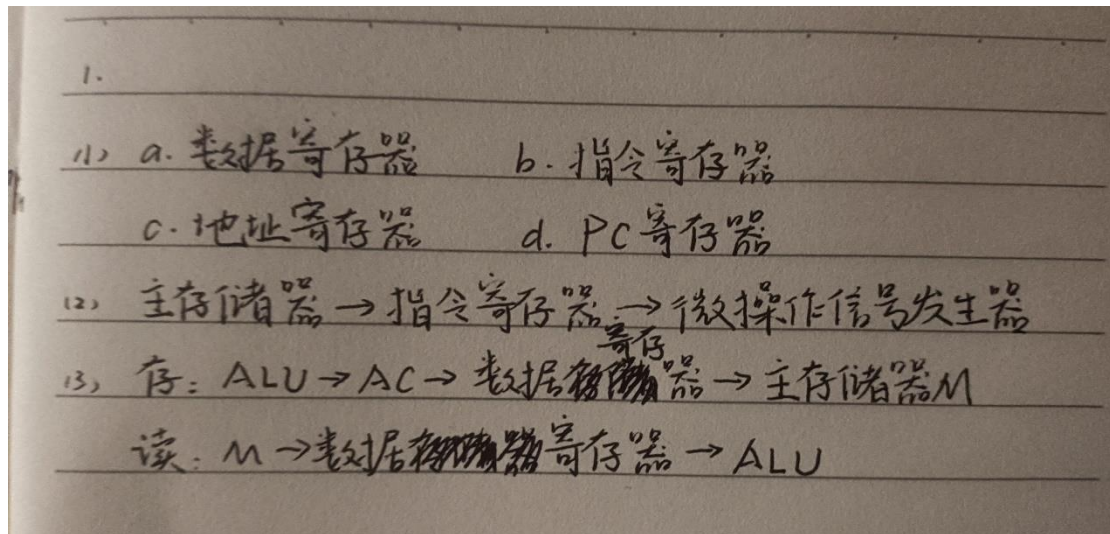
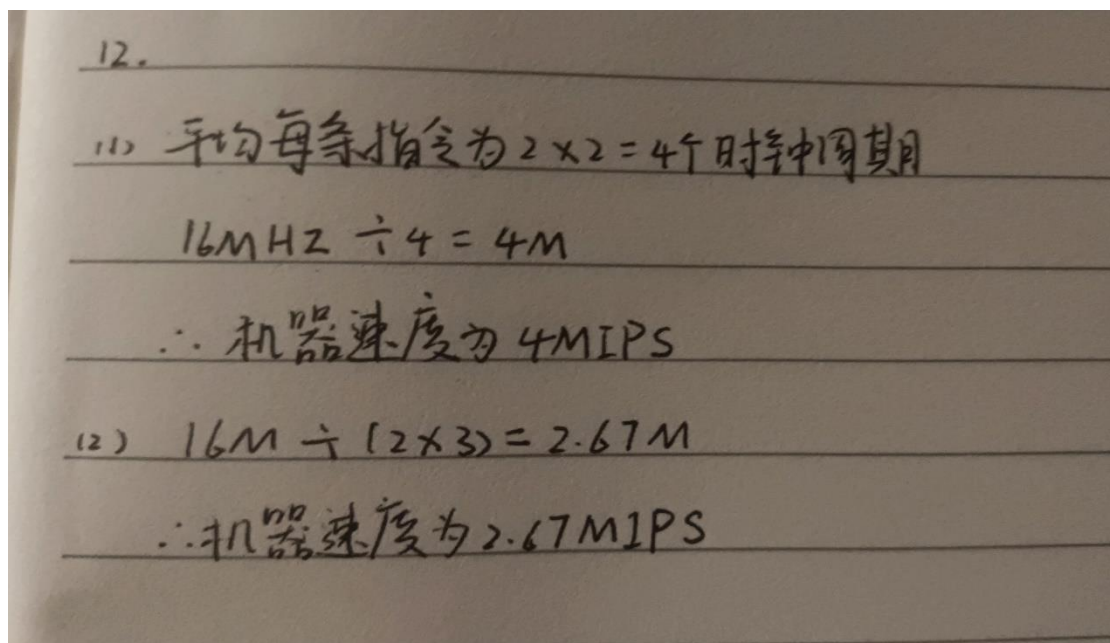


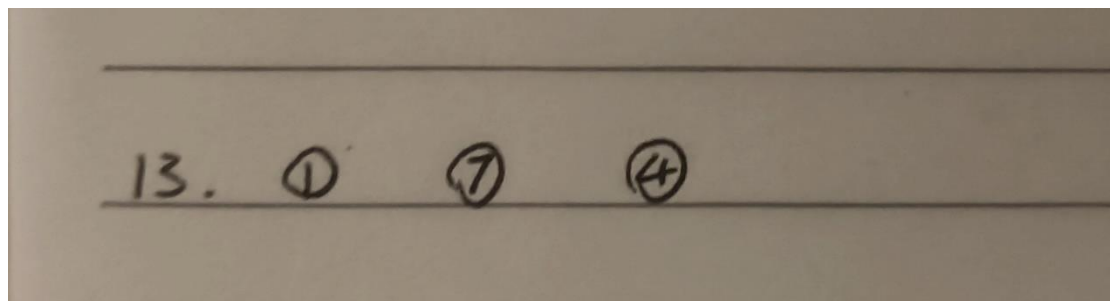
1:



12:



13:



2:

2.

(1) 1010 1000 0000 0000 0000 110
 0101 0001 0100 1000 0000 0xx → 为什么这里
 有0呢

(2) 1010 1000 0000 0000 0000 110
 0001 0001 0100 1000 00100 xx
 0000 0100 00000000 0001 110
 00000000 1000 0000 1000 0xx

(3) 1010 1000 0000 0000 0000 110
 0001 0001 0100 1000 00100 xx
 0000 0000 1010 1000 0100 0xx
 0000 0100 00000000 0001 111

5:

有两组互斥的指令

b f i j e f h j 有重叠, 所以互斥的指令为:

b f i e h j

控制字段的格式可以为

a	c	d	g	00-无	00-无
				01-b	01-e
				10-f	10-h
				11-i	11-j

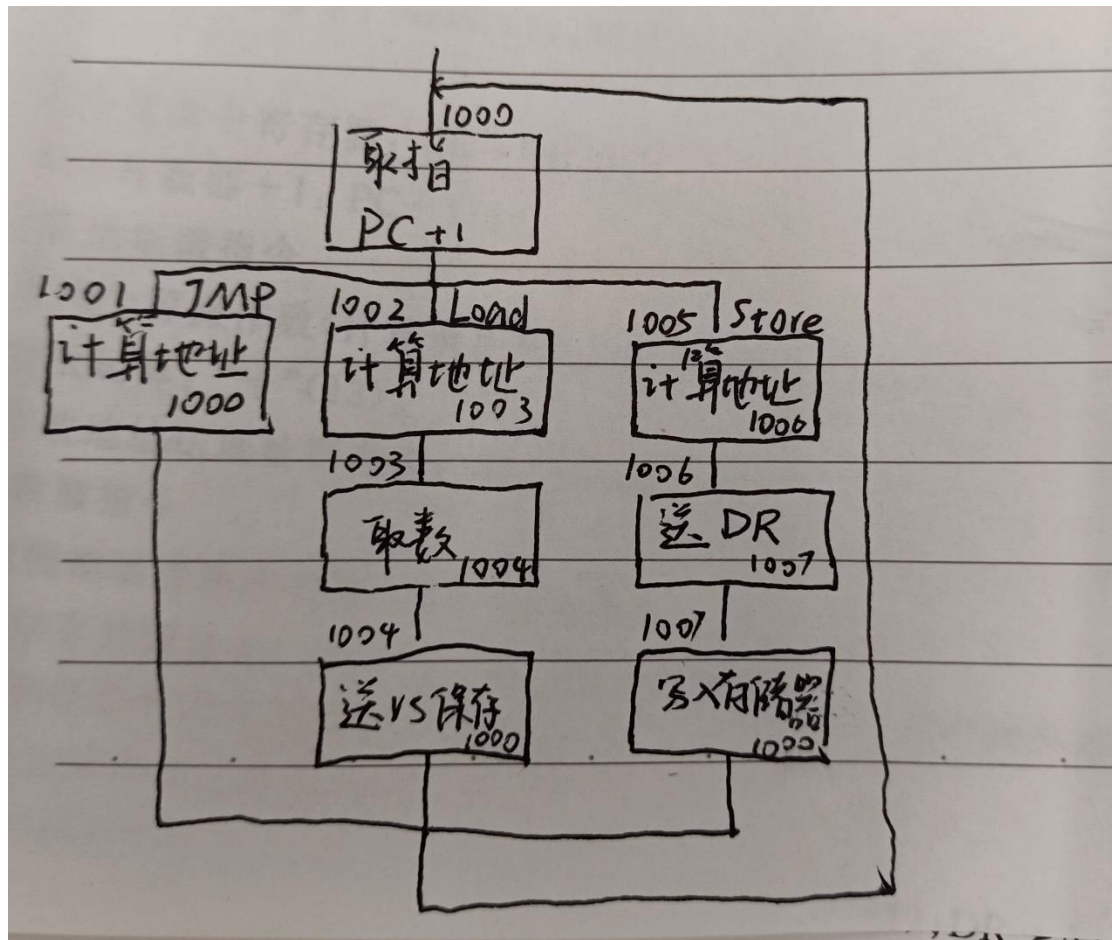
6:

可在整个存储器中转移: $512 = 2^9 \Rightarrow 9$ 位地址字段

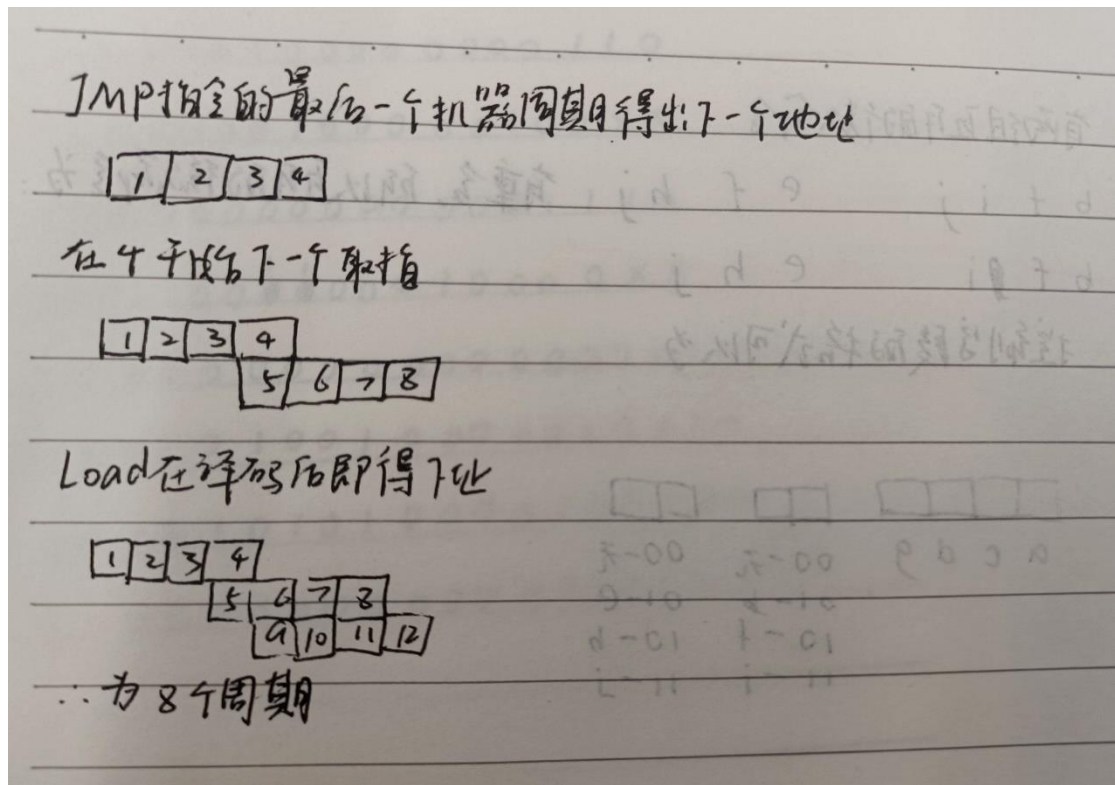
直接控制的 4 个条件 : 4 位判别测试字段

$48 - 9 - 4 = 35$ 位有效数据字段

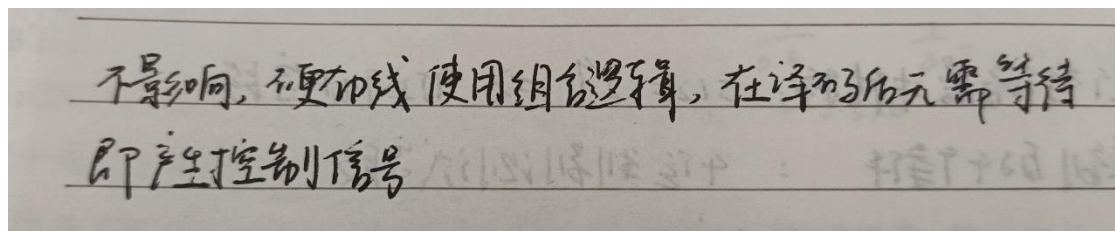
7:



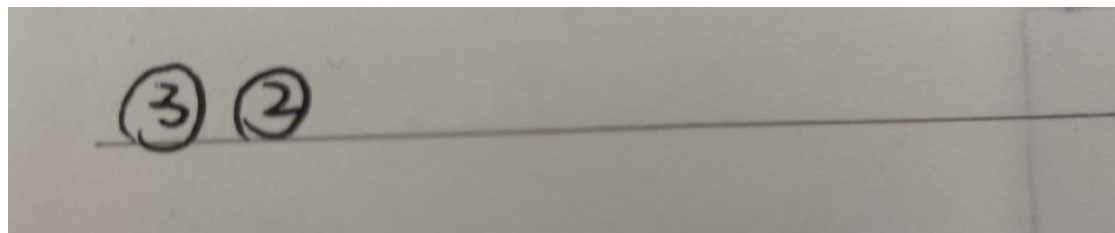
8:



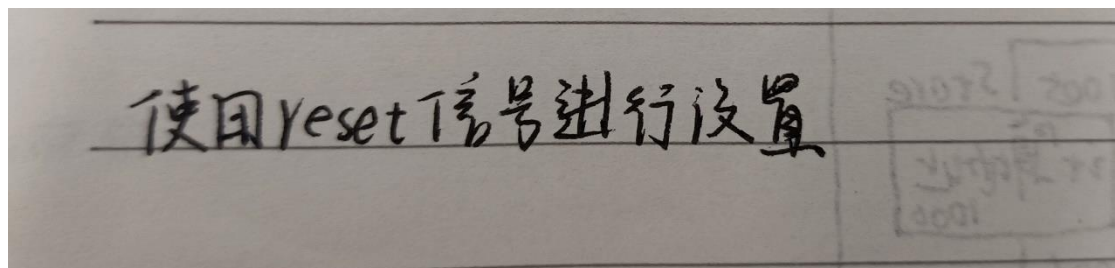
9:



14:



17:



18:

$$(1) 3 + 3 + 2 + 4 + 4 + 3 + 3 + 1 + 4 + 4 = 31$$

$$(2) \sum N_i = 69.$$