**第六章**

**6.23**

寻道时间：4ms

平均旋转延迟：0.5 \* （60/15000）\*1000 = 2ms

数据传输时间：（60/15000）\*（1/800）\*1000= 0.005ms

访问时间：4+2+0.005 = 6.005ms

**6.27**

A.

组一的标记位为0x45或0x38 组索引为0b001 每行有四个字节，块偏移为00 01 10 11，

故组1的地址范围为：01000101 001 00 – 0100 0101 001 11或00111000 001 00-00111000 001 11

即：0x08A4 – 0x08A7或0x0704-0x0707

B.

第六组只有一个有效行，标志位为10010001，组索引为110，块偏移为00 01 10 11，

故地址范围为：10010001 110 00 – 10010001 110 11

即：0x1238 – 0x 123B

**6.31**

A.

直接将0x071A写为十六进制后取后13位即可。

故

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 12 | 11 | 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 | 0 |
| 0 | 0 | 1 | 1 | 1 | 0 | 0 | 0 | 1 | 1 | 0 | 1 | 0 |

B、

|  |  |
| --- | --- |
| CO | 0x02 |
| CI | 0x06 |
| CT | 0x38 |
| 是否命中？ | 是 |
| 返回的字节 | 0xEB |

**6.35**

Dst:

|  |  |  |  |
| --- | --- | --- | --- |
| M | H | H | H |
| M | H | H | H |
| M | H | H | H |
| M | H | H | H |

Src:

|  |  |  |  |
| --- | --- | --- | --- |
| M | H | H | H |
| M | H | H | H |
| M | H | H | H |
| M | H | H | H |

**6.39**

A.

4 \* 16 \* 16 = 1024

B.

4 \* 16 \* 16 / 4 = 256

C.

0.25

**6.43**

100%都不会命中。