**6.26**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 高速缓存 | m | C | B | E | S | t | s | b |
| 1. | 32 | 2048 | 8 | 1 | 256 | 21 | 8 | 3 |
| 2. | 32 | 2048 | 4 | 4 | 128 | 23 | 7 | 2 |
| 3. | 32 | 1024 | 2 | 8 | 64 | 25 | 6 | 1 |
| 4. | 32 | 1024 | 32 | 2 | 16 | 23 | 4 | 5 |

**6.30**

A.  = 128

B.

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

**6.34**

dst数组

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | 列0 | 列1 | 列2 | 列3 |
| 行0 | m | m | m | m |
| 列1 | m | m | m | m |
| 列2 | m | m | m | m |
| 列3 | m | m | m | m |

src数组

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | 列0 | 列1 | 列2 | 列3 |
| 行0 | m | m | h | m |
| 列1 | m | h | m | h |
| 列2 | m | m | h | m |
| 列3 | m | h | m | h |

**6.38**

A. 

B. 

C. 

**7.6**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 符号 | swap.o或者.symtab条目 | 符号类型 | 定义符号的模块 | 节 |
| buf | 是 | extern | m.o | .data |
| bufp0 | 是 | global | swap.o | .data |
| bufp1 | 是 | local | swap.o | .bss |
| swap | 是 | global | swap.o | .text |
| temp | 否 | 无 | 无 | 无 |
| incr | 是 | local | swap.o | .text |
| count | 是 | local | swap.o | .bss |

**7.10**

A. linux> gcc p.o libx.a

B. linux> gcc p.o libx.a liby.a libx.a

C. linux> gcc p.o libx.a liby.a libx.a libz.a

**8.10**

A. fork

B. longjmp execve

C. setjmp

**8.14**

3

**8.18**

BD

**9.12**

A. 虚拟地址格式

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 13 | 12 | 11 | 10 | 9 | 8 | 7 | 6 | 5 | 4 | 3 | 2 | 1 | 0 |
| 0 | 0 | 0 | 0 | 1 | 1 | 1 | 0 | 1 | 0 | 1 | 0 | 0 | 1 |

B. 地址翻译

|  |  |
| --- | --- |
| 参数 | 值 |
| VPN | 0x0e |
| TLB索引 | 0x02 |
| TLB标记 | 0x03 |
| TLB命中？ | 否 |
| 缺页？ | 否 |
| PPN | 0x11 |

C. 物理地址格式

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

D. 物理地址引用

|  |  |
| --- | --- |
| 参数 | 值 |
| 字节偏移 | 0x1 |
| 缓存索引 | 0xa |
| 缓存标记 | 0x11 |
| 缓存命中？ | 否 |
| 返回的缓存粗字 | 无 |

**9.14**

#include <unistd.h>

#include <fcntl.h>

#include <sys/types.h>

#include <sys/stat.h>

#include <sys/mman.h>

int main()

{

int fp\_open;

char \*stream;

fp\_open = open("hello.txt", O\_RDWR, 0);

stream = mmap(NULL, 1, PROT\_WRITE, MAP\_SHARED, fd, 0);

close(fd);

if(stream == MAP\_FAILED) return -1;

(\*stream) = 'J';

munmap(stream, 1);

return 0;

}

**9.16**

|  |  |  |  |
| --- | --- | --- | --- |
| 对齐要求 | 已分配块 | 空闲块 | 最小块大小（字节） |
| 单字 | 头部和脚部 | 头部和脚部 | 16 |
| 单字 | 头部无脚部 | 头部和脚部 | 16 |
| 双字 | 头部和脚部 | 头部和脚部 | 16 |
| 双字 | 头部无脚部 | 头部和脚部 | 16 |