Configuration		1 way	2 way	4 way	8 way	16 way
MM = 512 bytes, Cache = 128 bytes,	Number of sets in cache	8	4	2	1	
Block = 16 bytes	Number of banks in MM	64	128	256	512	
	Number of bits for memory address	9	9	9	9	
	Number of bits for tag	2	3	4	5	
	Number of bits for index	3	2	1	0	
	Number of bits for offset	4	4	4	4	
	Number of comparisons for tag	1	2	4	8	
MM = 1024 bytes, Cache = 128 bytes,	Number of sets in cache	8	4	2	1	
Block = 16 bytes	Number of banks in MM	128	256	512	1024	
	Number of bits for memory address	10	10	10	10	
	Number of bits for tag	3	4	5	6	
	Number of bits for index	3	2	1	0	
	Number of bits for offset	4	4	4	4	
	Number of comparisons for tag	1	2	4	8	
MM = m bytes, Cache = c bytes,	Number of sets in cache	c/(b*1)	c/(b*2)	c/(b*4)	c/(b*8)	c/(b*16)

Block = b bytes	Number of banks in MM	m/s	m/s	m/s	m/s	m/s
	Number of bits for memory address	Log base 2(m)				
	Number of bits for tag	m-(b+s)	m-(b+s)	m-(b+s)	m-(b+s)	m-(b+s)
	Number of bits for index	Log base 2(m)				
	Number of bits for offset	Log base 2(m)				
	Number of comparisons for tag	1	2	4	8	

2. 6.30

12	11	10	9	8	7	6	5	4	3	2	1	0
СТ	CI	CI	CI	C0	C0							

6.31

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

Param	Value
СО	0x02
CI	0x06
СТ	0x38
Cache hit?	Υ
Cache by returned	OxEB

6.32

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

1 0 1 1 1 0	0
---	---

Param	Value
СО	0x00
CI	0x02
СТ	0xB7
Cache hit?	N
Cache by returned	

6.33 0x1788, 0x1789, 0x178A, 0x178B, 0x16C8, 0x16C9, 0x16CA, 0x16CB

 P1. To determine ca p2. block size: 16
Set size: 16

Casha hank a

Cache bank size: 256 Cache size: 1024

Main memory size: 4096

P4.?

p5. Find the number of blocks to be replaced for the above mapping scheme: 6?

p6. Find the number of cache misses including compulsory misses: 14

p7. Find the number of cache hits: 6