

Bài 3:

1 block = 4 words

cache = 256byte = 16block = 16 set

(a)

	Tag	index	
0	0	0	M
<hr/>			
4	0	1	M
<hr/>			
1	0	0	H
<hr/>			
5	0	1	H
<hr/>			
65	1	0	M
<hr/>			
1	0	0	M
<hr/>			
67	1	0	M
<hr/>			
46	0	11	M
<hr/>			
1	0	0	M
<hr/>			
70	1	1	M
<hr/>			
2	0	0	H
<hr/>			
0	0	0	H
<hr/>			

HIT = 4

MISS = 8

(b)

1 set có 2 block => cache có 8 set index từ 0 đến 7

	Tag	index	
0	0	0	M
<hr/>			
4	0	1	M
<hr/>			
1	0	0	H
<hr/>			
5	0	1	H
<hr/>			
65	2	0	M
<hr/>			
1	0	0	H
<hr/>			
67	2	0	H
<hr/>			

46	1	3	M
<hr/>			
1	0	0	H
<hr/>			
70	2	1	M
<hr/>			
2	0	0	H
<hr/>			
0	0	0	H
<hr/>			
HIT = 7			
MISS = 5			

(c)
có 1 set có 16 blocks, duy nhất 1 set

	Tag	
0	0	M
<hr/>		
4	1	M
<hr/>		
1	0	H
<hr/>		
5	1	H
<hr/>		
65	16	M
<hr/>		
1	0	H
<hr/>		
67	16	H
<hr/>		
46	11	M
<hr/>		
1	0	H
<hr/>		
70	17	M
<hr/>		
2	0	H
<hr/>		
0	0	H
<hr/>		
HIT = 7		
MISS = 5		