(11) 300

4	Given aix mamony partitions of 100 MP, 170 MP, 40 MP, 205 MP, 200 MP, and 195 MP (in order), how would the
1.	Given six memory partitions of 100 MB, 170 MB,40 MB, 205 MB, 300 MB, and 185 MB (in order), how would the first-fit, best-fit, and worst-fit algorithms place processes of size 200 MB, 15 MB, 185 MB, 75 MB, 175 MB, and
	80 MB (in order)?
	, 请在下面空中依次填写答案。如果某进程能放入到空闲分区中,填写该分区的数字,如:100;如果某进程无法放入到空闲
	分区中,则填写:must wait
	First-fit:
	a. 200M process put inM partition
	b. 15M process put inM partition
	c. 185M process put inM partition
	d. 75M process put inM partition
	e. 175M process mustM partition
	f. 80M process put inM partition
	Best-fit
	a. 200M process put inM partition
	b. 15M process put inM partitionc. 185M process put inM partition
	c. 185M process put inM partitiond. 75M process put inM partition
	e. 175M process put inM partition
	f. 80M process put inM partition
	Worst-fit:
	a. 200M process put inM partition
	b. 15M process put inM partition
	c. 185M process put inM partition
	d. 75M process put inM partition
	e. 175M processM partition
	f. 80M process put inM partition
填空	题 (18 分) 18 分 (请按题目中的空缺顺序依次填写答案)
(1)	205
(2)	100
(3)	300
(4)	100
(5)	185
<i>(</i> -)	
(6)	170
(7)	205
(2)	
(8)	40
(9)	185
(10)	100

(12)	300	
(13)	300	
(10)		
(14)	205	
(15)	205	
(16)	185	
(17)	must wait	
(18)	170	
正	E确答案:	
	1) 205	
(2)	2) 100	
(3)	3) 300	
(4)	4) 100	
(5)	5) 185	
(6)	6) 170	
(7)	7) 205	
(8)	8) 40	
	9) 185	
	10) 100	
	11) 300	
	12) 300	
	13) 300	
	14) 205 15) 205	
	16) 185	
	17) must wait	
	18) 170	
•		
2.	Assuming a 1-KB page size, what are the page numbers and offsets for t	he following address references (provided
	as decimal numbers):	
	请在下面空中依次填写十进制数值答案 a. 3085 page numbers:, offsets:	
	b. 42095 page numbers:, offsets:	
	c. 215201 page numbers: , offsets:	
填空	E题 (18 分) 18 分 (请按题目中的空缺顺序依次填写答案)	
(1)	3	
(2)	13	
(3)	41	

(4)	111				
(- /					
(5)	210				
(6)	161				
I	通答案:				
(1) 3				
(2	2) 13				
(3	3) 41				
(4	l) 111				
	5) 210				
(6	6) 161				
_					
				hat are the physica	addresses for the follow
	Segment 0 21		.engtn		
		9 600			
	2 90				
		327 580			
		52 96			
			ical addre	sses for the follov	ving logical addresse
	Offset)	. ,			3 3
	请在下面	空中依次	填写十进制	」数值答案,如果:	是无效地址,请填写:
	a. 0,430	Answer:			
	b. 1,10	Answer:			
	c. 2,500	Answer:			
	d. 3,400	Answer:			
	e. 4,112	Answer:			
填空	题 (20 分)	20 分	(请按题目	中的空缺顺序依次填	写答案)
(1)	649				
(1)	049				
(2)	2310				
. ,					
(3)	invalid				
(4)	1727				
(4)					
(4)	invalid				
(5)					
(5)	·确答案·				
(5) II	E确答案:				
(5) II	三确答案: I) 649				
(5) II (1					
(5) IE (1) 649				
(5) III (1 (2 (3	2) 649 2) 2310 3) invalid				
(1) (2) (3) (4)	2) 649 2) 2310				

The BTV operating system has a 21-bitvirtual address, yet on certain embedded devices, it has only a 16-bit physicaladdress. It also has a 2-KB page size. How many entries are there in each ofthe following?				
a. A conventional, single-level page table. Answer:				
b. An inverted page table. Answer: (填写10进制数)	(·失う IU 处则效/			
填空题 (16 分) 16 分 (请按题目中的空缺顺序依次填写答案)				
· 条工版 (10 刀) 10 刀 (明玖版日午时工帆顺户队外祭司日末)				
(1) 1024				
(2) 32				
正确答案:				
(1) 1024				
(2) 32				
5. Consider a logical address space of 256pages with a 4-KB p	age size, mapped onto a physical memory of 64			
frames.				
a. How many bits are required in the logical address?				
b. How many bits are required in the physical address?Answer:				
a. Logical address: bits				
b. Physical address: bits				
填空题 (14分) 14分 (请按题目中的空缺顺序依次填写答案)				
(1) 20				
(2) 18				
正确答案:				
(1) 20				
(2) 18				
6. Consider a paging system with the page table stored in men				
a. If a memory reference takes 50 nanoseconds, how long do				
b. If we add TLBs, and if 75 percent of allpage-table reference				
reference time? (Assume that finding a page-table entry in th Answer:	e ilbs takes 2 nanoseconds, il the entryls present.)			
a ns				
b ns				
填空题 (14 分) 14 分 (请按题目中的空缺顺序依次填写答案)				
(1) 100				
(1) 100				
(2) 64.5				
正确答案:				

(1) 100(2) 64.5