

Virtual	Mode	Physical	Access
7		read	
6		read	
5	RW	read	
4		read	
3		read	
2		read	
1		read	
0	RW	read	

~~0x01403987~~  
 reg = 0x101010  
 ← 5

0x00006987  
 0xFFFC

0x00002222  
 0x00004444  
 ↓  
 0x00008444

Virtual	Mode	Physical	Access
7	RW	user	0
6		read	
5	RW	user	4
4	RW	user	8
3	RW	user	0
2	RW	user	2
1	RW	user	1
0		read	

L2 page table

Virtual	Mode	Physical	Access
7	RW	user	0
6		read	
5		read	
4		read	
3	RW	user	0
2	RW	user	2
1		read	
0		read	

L2 page table

How many pages can the user process whose address space is represented above access? \*

- 7
- 9
- 10
- 11

For each of the following virtual addresses, write the corresponding physical address.

Write your answers in hex, beginning with 0x and using capital letters for the letters A-F.

0x00002222 \*  
 L1 Table: index 0  
 L2 Table: index 1  
 0x00002222

0x00004444 \*  
 L1 Table: index 0  
 L2 Table: index 4  
 0x00008444

0x00006666 \*  
 L1 Table: index = 0  
 L2 Table: index = 6  
 FAULT

0x00003333 \*

0x00003333

L1 Table index = 0  
L2 Table index = 3

0x00402123 \*

FAULT

L1 Table index = 1  
L2 Table index = 2

0x01403987 \*

0x00006987

L1 Table index = 5  
L2 Table index = 3

0x01407ABC \*

0x00005ABC

L1 Table index = 5  
L2 Table index = 7

0x01406666 \*

FAULT

L1 Table index = 5  
L2 Table index = 6

0x00502BEE \*

FAULT

L1 Table index = 1  
L2 Table index = 0x102

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