

ROOT = 0010

&v1 = 010 011 0011

&v2 = 110 111 1011

&v3 = 110 101 1011

(1)

		0 1 2 3 4 5 6 7 8 9 A B C D E F															
		F															
0																	
1																	
2					04	01							05	01			
3				AB													
4																	
5													07	11		06	11
6													CD				
7													EF				

(2)

(3)

$$(1) \text{ ROOT} \times |\text{PAGE}| + \text{VPN1} \times |\text{PTE}| = 0010 \ 0100 = 2 \ 4$$

$$(2) 04 \times |\text{PAGE}| + \text{VPN0} \times |\text{PTE}| = 0100 \ 0110 = 2 \ 6$$

$$(3) 03 \times |\text{PAGE}| + \text{OFFSET} = 0011 \ 0011 = 3 \ 3$$