1) ints are 4 bytes, p is $4*1024 = 4kB$

If they align onto a page boundary there are
4 pages, otherwise there are 5 pages.

Thus, there are 4-5 misses + the rest are hits

2)

Address:	0x027c	0x03a9	0x0040
A:	00 0010 0111 1100	00 0011 1010 1001	00 0000 0100 0000
B: vpn:	0x9	0xE	0x1
TLBI:	0x1	0x2	0x1
TLBT:	0x2	0x3	0x0
hit:	N	N	N Y
fault:	N	N	—
PPN:	0x17	0x11	
C:	0101 1111 1100	0100 0110 1001	N/A
D BO:	0x0	0x1	
CI:	0xf	0xa	N/A
CT:	0x17	0x11	
hit:	N	N	
CB:	—	—	

3) $Time = T_t + T_m + P_t * (T_m + P_f (T_d + P_d * T_d))$

$= 0 + 1us + 0.1 (1us + 0.0002 (10ms + 0.5 * 10ms))$

$= 1 + 0.1 (1 + 0.0002 (15000))$

$= 1 + 0.1 (3)$

$= 1.4 us$