



CS 361 – Lab 8

Virtual Memory – Page Walk

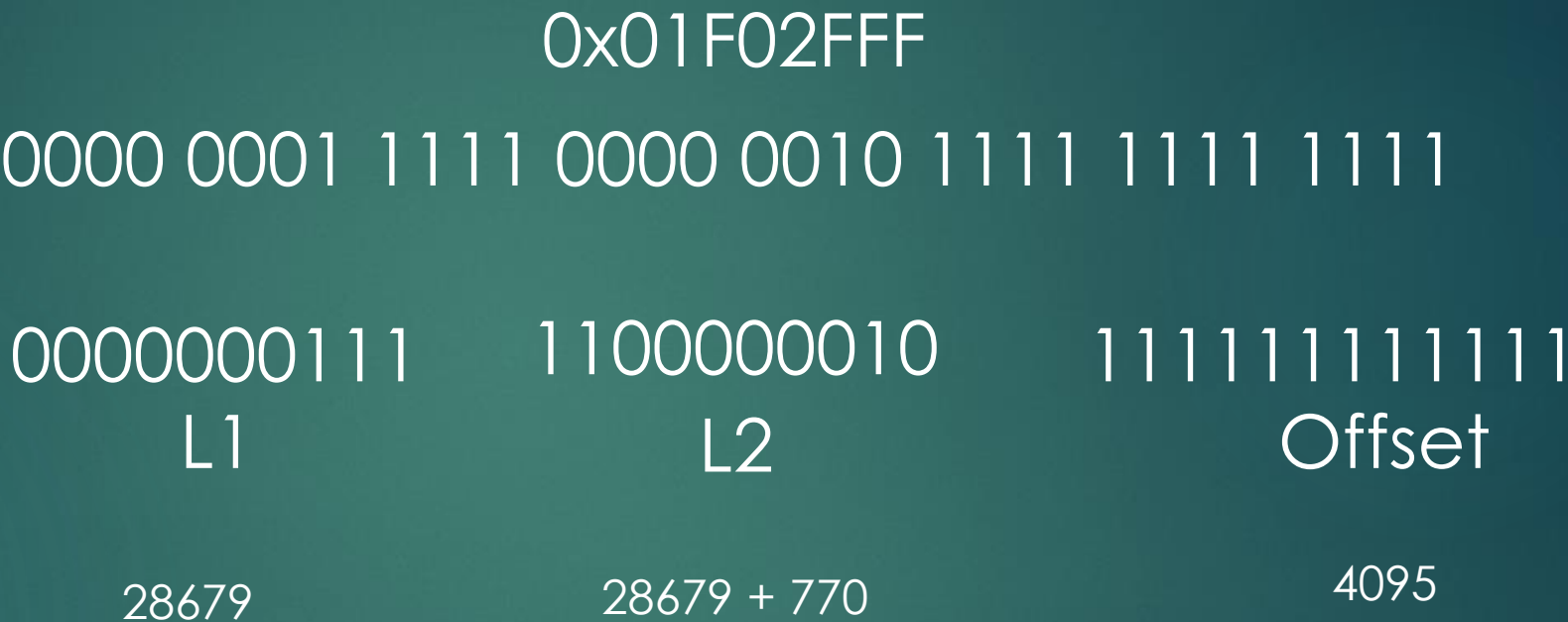
MONDAY, APRIL 1ST 2019.

Page Table Structure

0th PageTablePages		1st PageTablePages		7th PageTablePages	
Number	Data	Number	Data	Number	Data
0	7	16384	7	7938	7
1	65543	16385	4103	7939	4103
2	8199	16386	8199	7940	8199
3	12295	16387	12295	7941	12295
4	16391	16388	16391	7942	16391
5	20487	16389	20487	7943	20487
6	24583	16390	24583	7944	24583
7	28679	16391	28679	7945	28679
1st UserPages		6th PageTablePages			
Number	Data	Number	Data		
4088	a	6144	7		
4089	b	6145	4103		
4090	c	6146	8199		
4091	d	6147	12295		
4092	e	6148	16391		
4093	f	6149	20487		
4094	g	6150	24583		
4095	h	6151	28679		

Example

0x01F02FFF
0x00402FFF
0x00505FFF
0x01F06FFF
0x01F07FFF
0x00402FFF
0x00402FFF
0x00605FFF
0x00602FFF
0x00503FFF
0x00403FFF



0+4095

4095

Permission needs to be checked in every lookup