Winter 2018, CS 238P Midterm
Solution for Question 1

Prepared for Spring 2019, CS 238P
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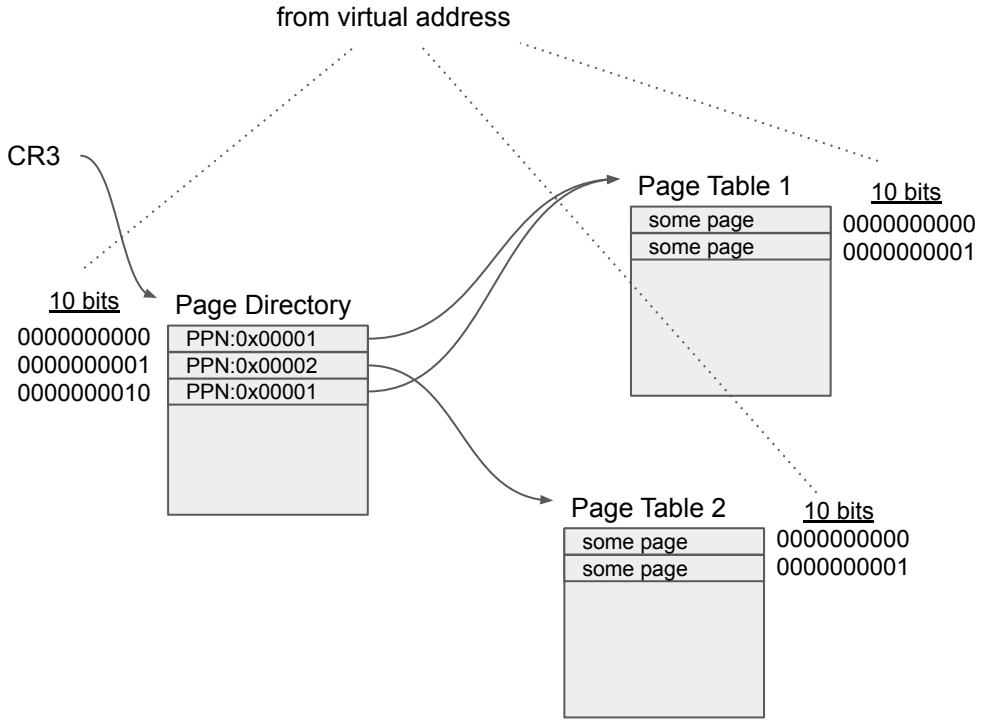
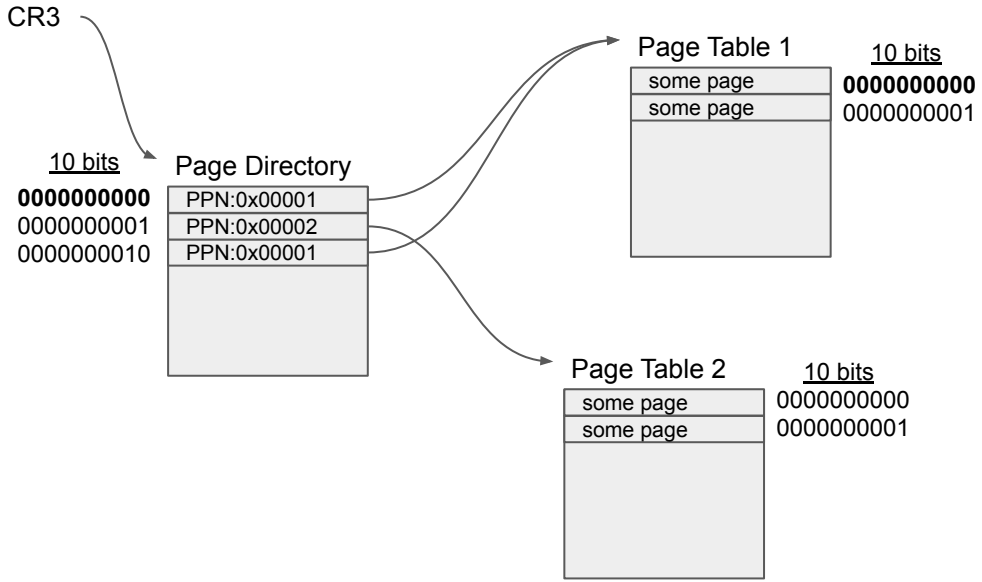


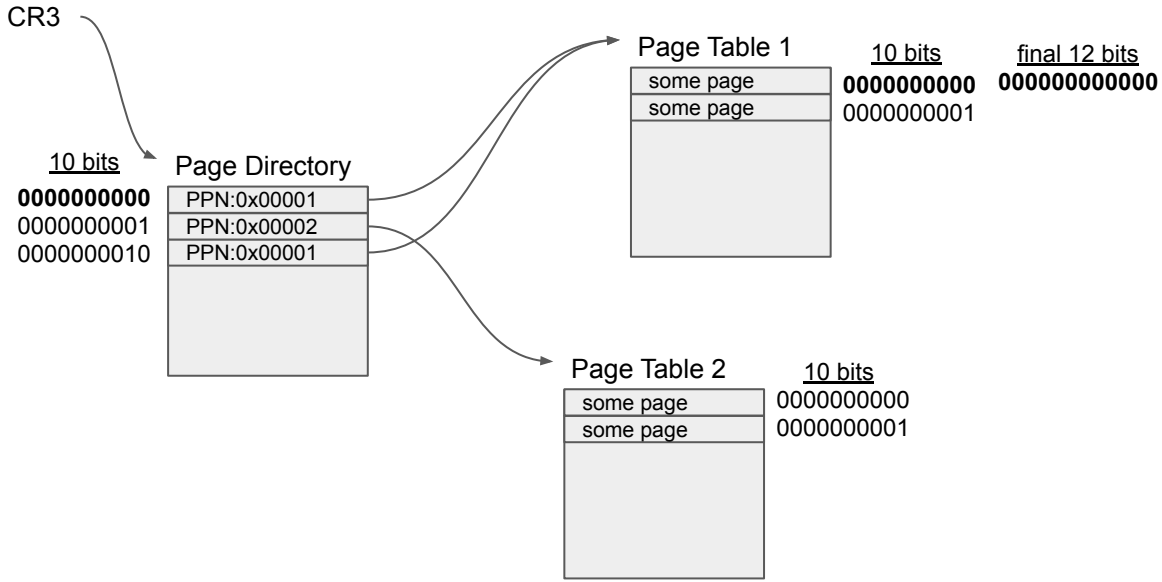
> From the Page Directory, we get 3 virtual address ranges that are mapped.

> We don't care about the exact contents of the entries in Page Table 1 and Page Table 2 in order to calculate the ranges. We only care about the minimum and maximum virtual addresses bounded by these entries.

Constructing first virtual address range

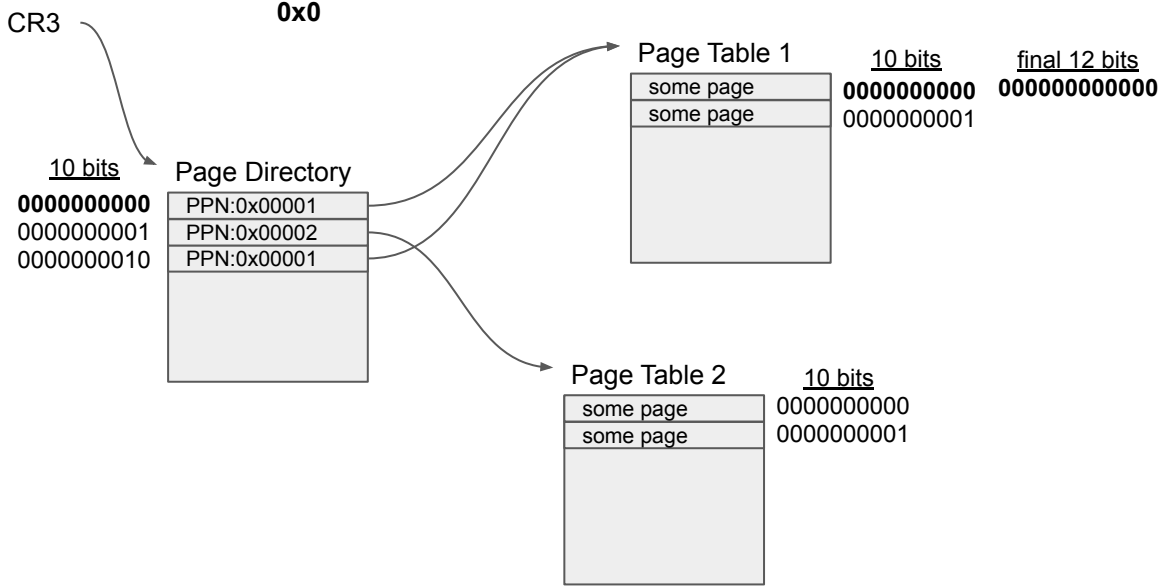


Constructing first virtual address range



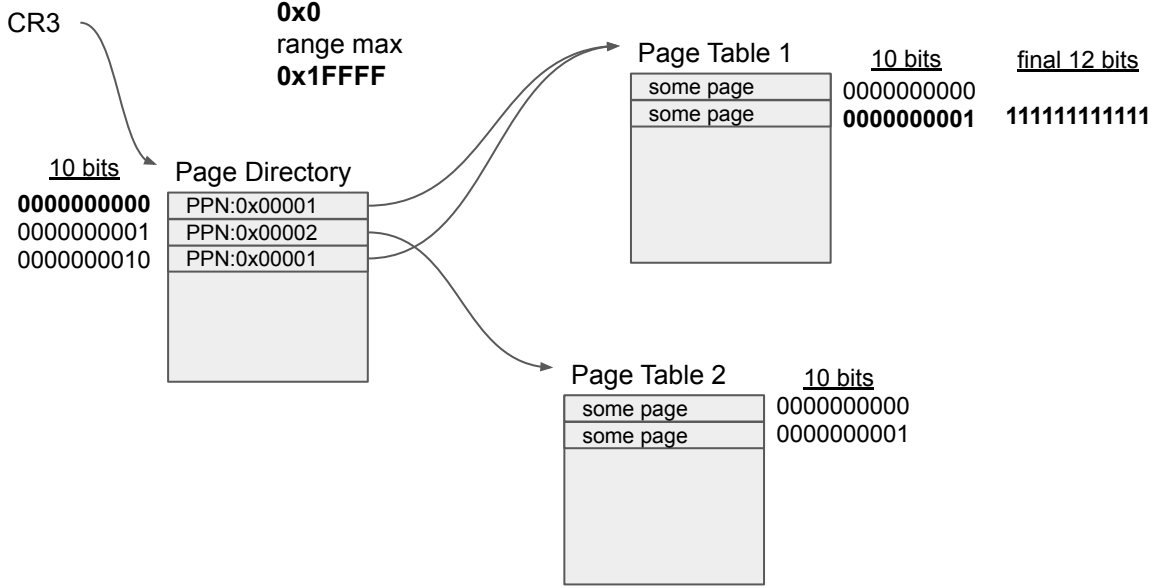
Constructing first virtual address range

range min
0x0

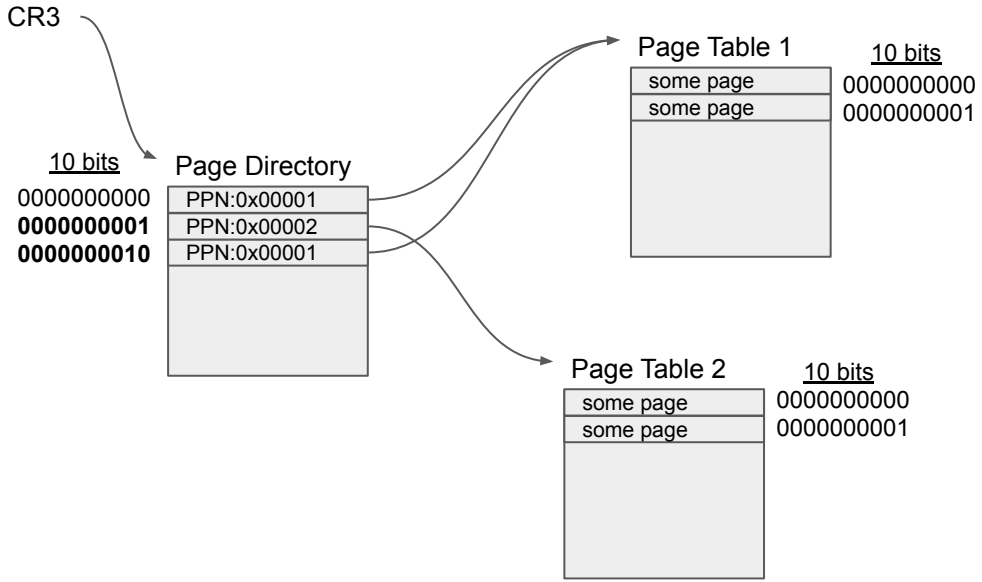


Constructing first virtual address range

range min
0x0
range max
0x1FFFF



Do similarly for
the next two ranges.



We get:

0x0 - 0x1FFFF
0x400000 - 0x401FFF
0x800000 - 0x801FFF