Anatomy of a virtual address[1]

0x00007fffe9322864

PDPTE

PTE

0111111111 1111111111 1010010010 1001000010 100001100100

PML4E

PDE

Offset
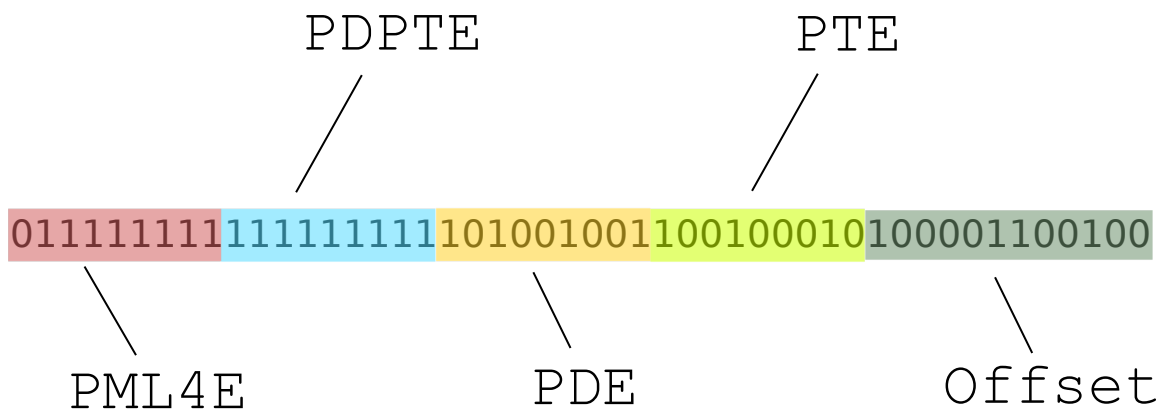
Bits 64:49 are a copy of bit 48.

PML4

PDPT

PD

PT

PDPTE

PTE

PML4E

PDE
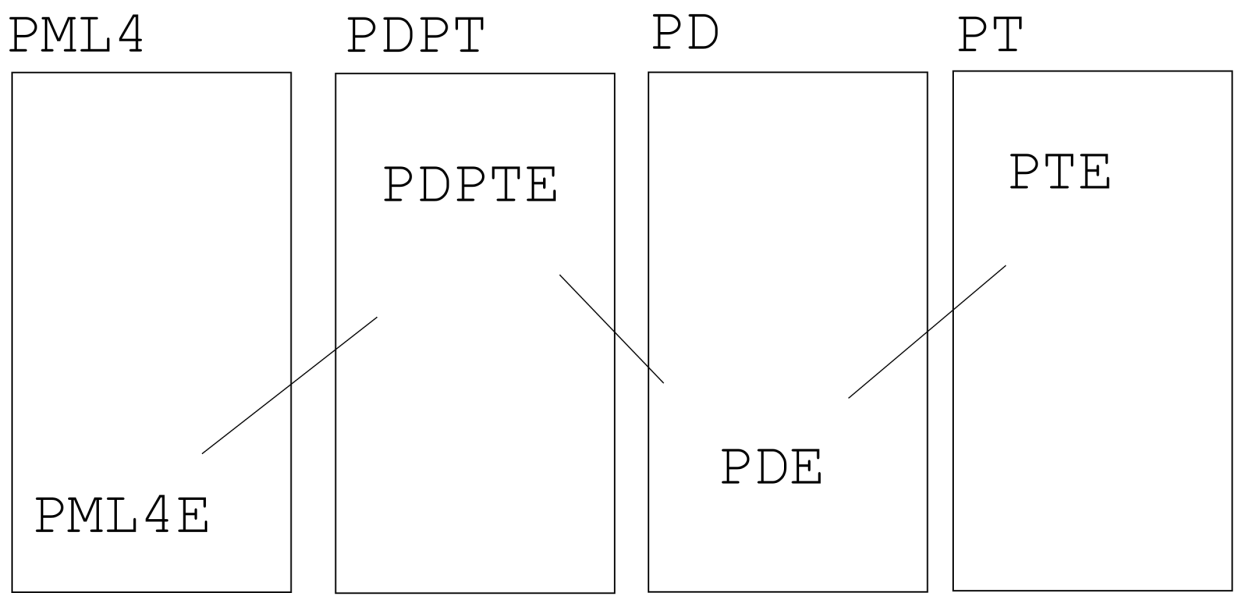
Up to 512 entries in each level.

[1] 64-bit address, 4Kb Page