```
pgd = swapper_pg_dir + pgd_index(PAGE_OFFSET); /* 768 */
phys_addr = 0x00000000;
while (phys_addr < (max_low_pfn * PAGE_SIZE))
{
  pmd = one_md_table_init(pgd); /* returns pgd itself */
  set_pmd(pmd, __pmd(phys_addr | pgprot_val(__pgprot(0x1e3))));
  /* 0x1e3 == Present, Accessed, Dirty, Read/Write, Page Size, Global */
  phys_addr += PTRS_PER_PTE * PAGE_SIZE; /* 0x400000, 4M */
  ++pgd;
}
```