```
page_pde_offset = (__PAGE_OFFSET >> 20);

    movl $(pg0 - __PAGE_OFFSET), %edi
    movl $(swapper_pg_dir - __PAGE_OFFSET), %edx
    movl $0x007, %eax                # 0x007 = PRESENT+RW+USER
10:
    leal 0x007(%edi),%ecx            # Create PDE entry
    movl %ecx,(%edx)                 # Store identity PDE entry
    movl %ecx,page_pde_offset(%edx)  # Store kernel PDE entry
    addl $4,%edx
    movl $1024, %ecx
11:
    stosl
    addl $0x1000,%eax
    loop 11b
    # End condition: we must map up to and including INIT_MAP_BEYOND_END
    # bytes beyond the end of our own page tables; the +0x007 is the attribute bits
    leal (INIT_MAP_BEYOND_END+0x007)(%edi),%ebp
    cmpl %ebp,%eax
    jb 10b
    movl %edi,(init_pg_tables_end - __PAGE_OFFSET)
```