```
* Provisional PGDir and page tables setup
 * for mapping two linear address ranges to the same physical address range
  + Linear address ranges:
              - User mode: i*4M \sim (i+1)*4M-1
              - Kernel mode: 3G+i*4M ~ 3G+(i+1)*4M-1
 * + Physical address range: i*4M ~ (i+1)*4M-1
typedef unsigned int PTE;
PTE *pq = pq0;  /* physical address of pq0 */
PTE pte = 0x007; /* 0x007 = PRESENT+RW+USER */
for (i=0;;i++) {
 swapper_pq_dir[i] = pq + 0x007;  /* store identity PDE entry */
  swapper_pq_dir[i+page_pde_offset] = pg + 0x007; /* kernel PDE entry */
 for (j=0; j<1024; j++) {
                        /* populating one page table */
   pg[i*1024 + j] = pte; /* fill up one page table entry */
   pte += 0x1000;
                                  /* next 4k */
  if(pte >= ((char*)pg + i*1024 + j)*4 + 0x007 + INIT_MAP_BEYOND_END)
     init_pq_tables_end = pg + i*0x1000 + j;
     break;
```