

```
pgd_t *pgd;  
pud_t *pud;  
pmd_t *pmd;  
pte_t *ptep, pte;
```

```
pgd = pgd_offset(mm, address);  
if (pgd_none(*pgd) || unlikely(pgd_bad(*pgd)))  
    goto out;
```

```
pud = pud_offset(pgd, address);  
if (pud_none(*pud) || unlikely(pud_bad(*pud)))  
    goto out;
```

```
pmd = pmd_offset(pud, address);  
if (pmd_none(*pmd) || unlikely(pmd_bad(*pmd)))  
    goto out;
```

```
ptep = pte_offset_map(pmd, address);  
if (!ptep)  
    goto out;
```

```
pte = *ptep;
```