Multilevel Page Tables

- a $1M$-entry page table eats $4M$ memory
- while 100 processes running, $400M$ memory is gone for page tables
- avoid keeping all the page tables in memory all the time

A two-level scheme

```
        page number          page offset
 ┌──────────────────────┬──────────────────┐
 │        p1            │       p2         │        d         │
 └──────────────────────┴──────────────────┘

     10                10                 12
      │                 │
      │                 └──> pointing to 1k frames
      └────> pointing to 1k page tables
```