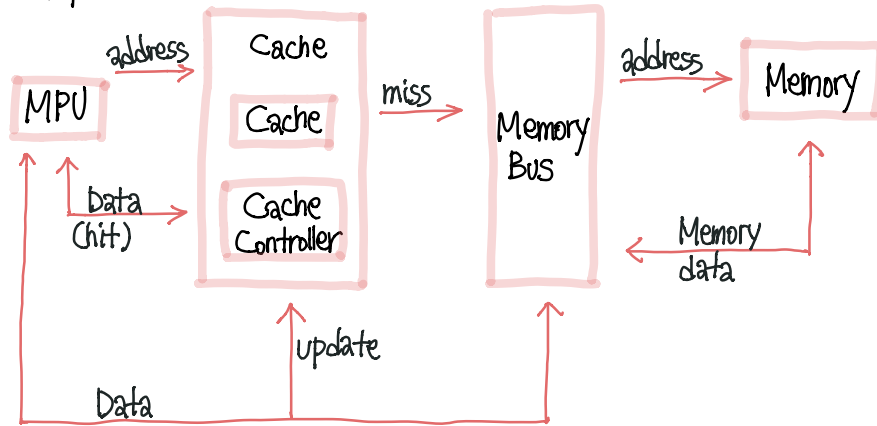
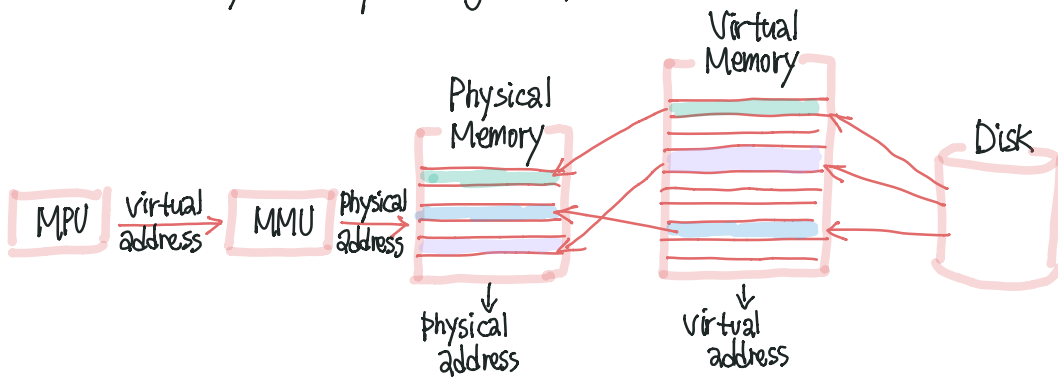


## 컴퓨터구조

### • Microprocessor cache

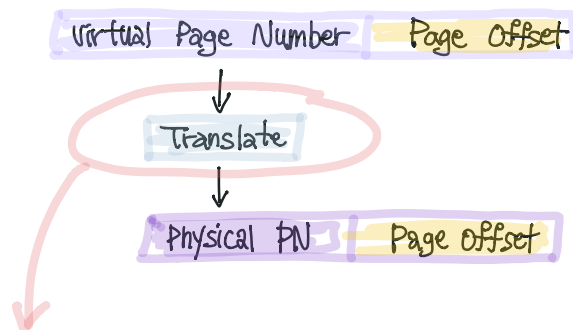


### • Virtual Memory (Memory Management)

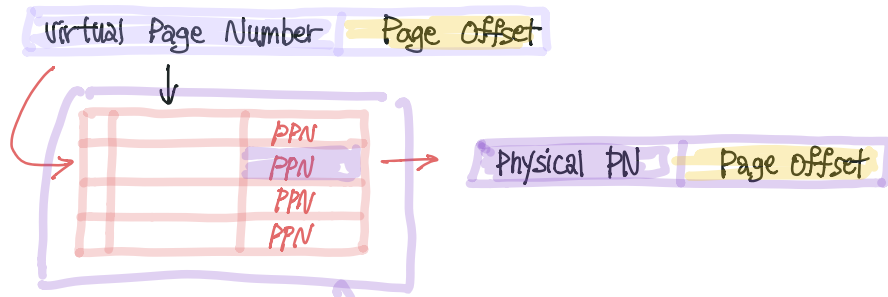


→ 동적 메모리 할당.  
가상메모리 주소와, 물리메모리 주소, 교환 (translate)

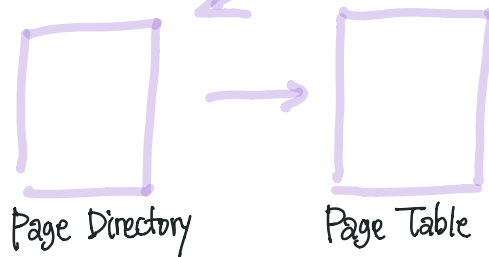
### • 어떻게 Virtual Address → Physical Address !



### 1. 기본적인 Translate



### 2. Two-level Paging

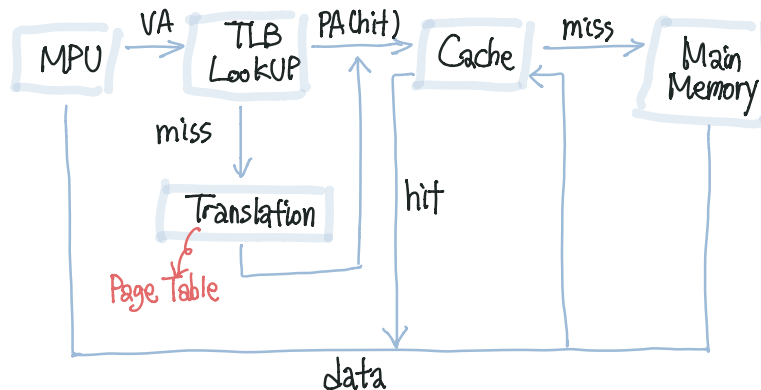


### 3. TLB (Translate Look-Aside Buffer)

- translate의 속도 향상.
- permits fully associate lookup

Virtual address	physical address	Dirty	Ref.	Valid	Access
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• 흐름.



### • Cached MMU Memory Overview



