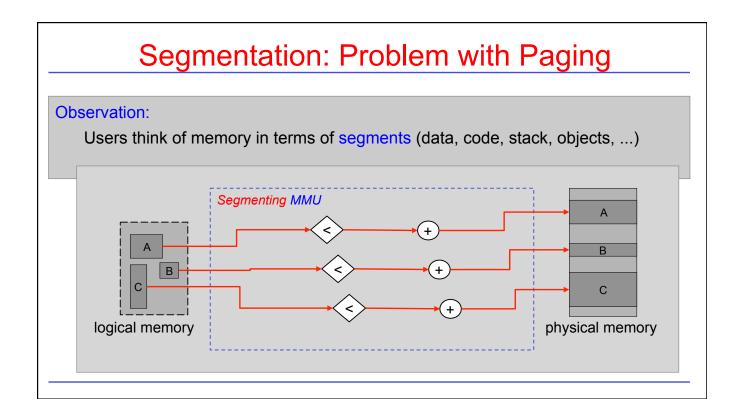
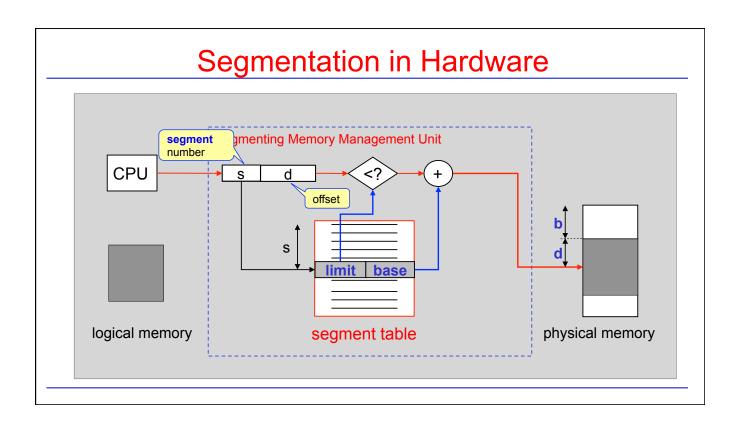
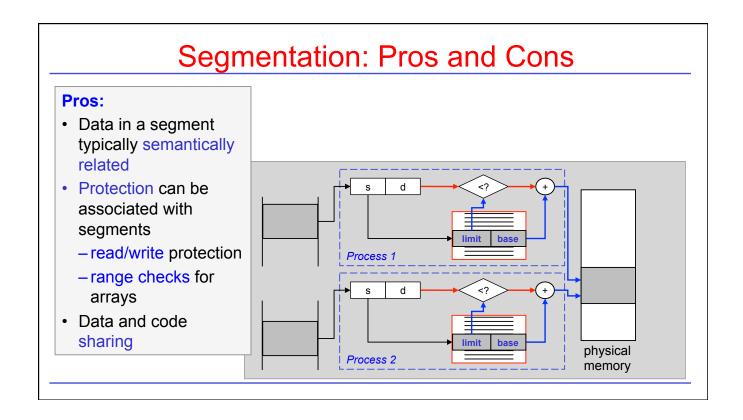
## Segmentation

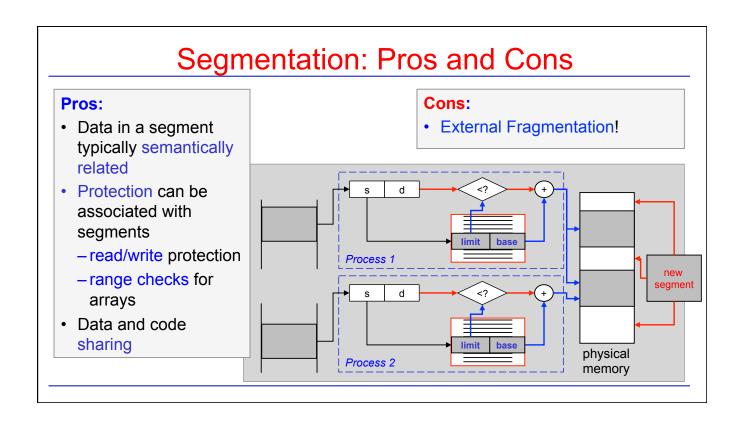
- Observation: Programmers don't think in pages!
- Segmentation
- Pro-and-Cons of segmentation; external fragmentation
- Solution: Segmented Paging

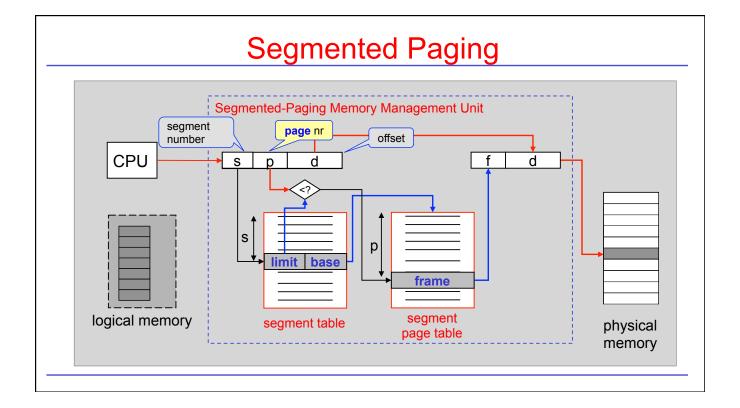
## Observation: Users think of memory in terms of segments (data, code, stack, objects, ...) Paging MMU physical memory











## Segmentation: Summary

- Programmers like to think in terms of memory segments
- Segmentation allows for efficient allocation and management of semantically-related data segments
- Segmentation re-introduces external Fragmentation
- Segmented Paging eliminates fragmentation