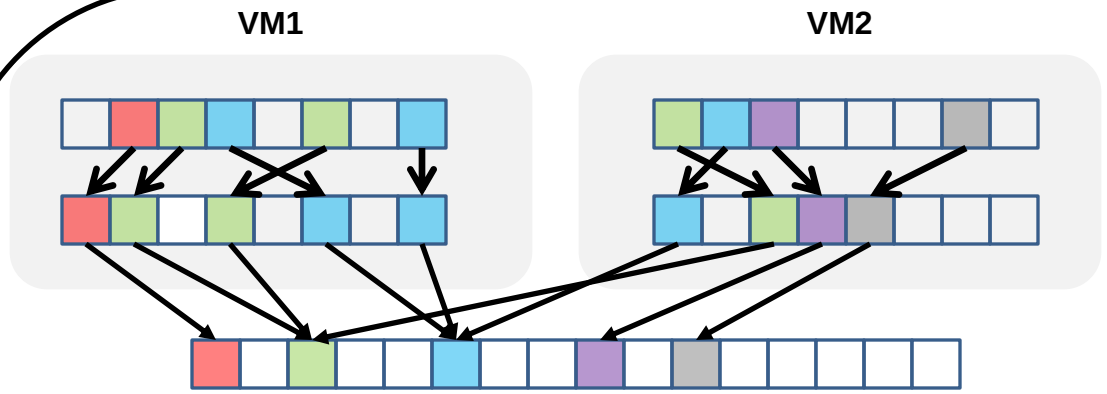
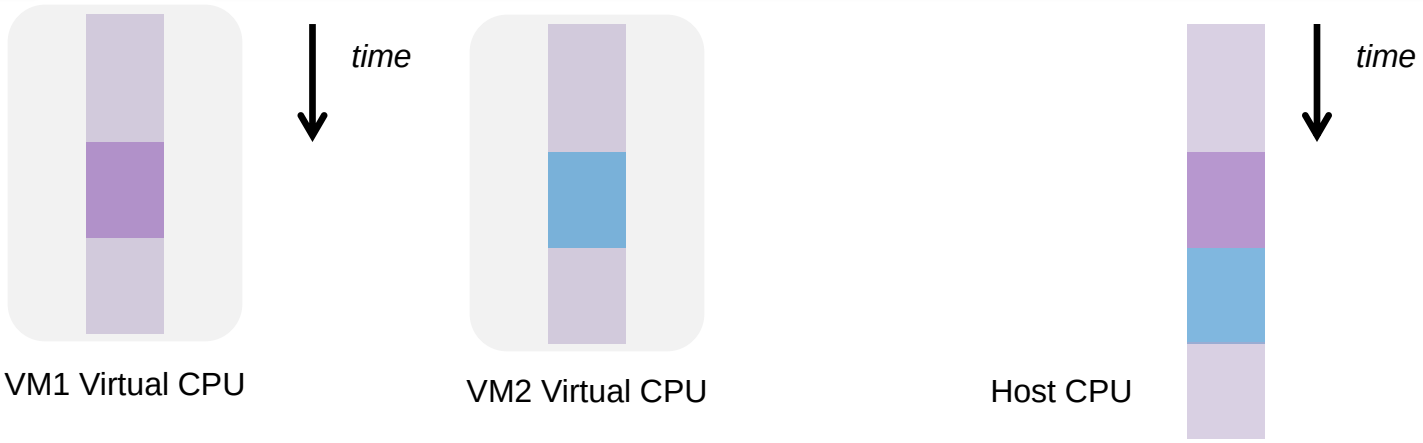


Page Sharing exploits the overlap in the content of memory pages across different VMs to reduce the memory footprint of concurrently running VMs.
These savings enable ***Memory Overcommit***, a situation where a host can seemingly provide more memory to VMs than is physically available (i.e. $\sum_i M_i > H$, where M_i is the memory requirement of VM i and H is the host physical memory).



Silhouette execution exploits the overlap in the executing instructions across different VMs to reduce the CPU footprint of concurrently running VMs.
Conserving the CPU should allow many more VMs to boot at the same time without saturating the host.