

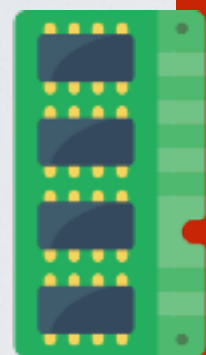
# The big picture in 5 pieces

The need for <b>bootstrapping</b>	
The need for <b>concurrency</b>	project 1
The need for <b>user programs</b>	project 2
The need for <b>virtual memory</b>	project 3
The need for <b>a filesystem</b>	project 4

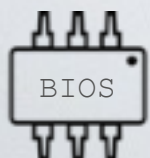
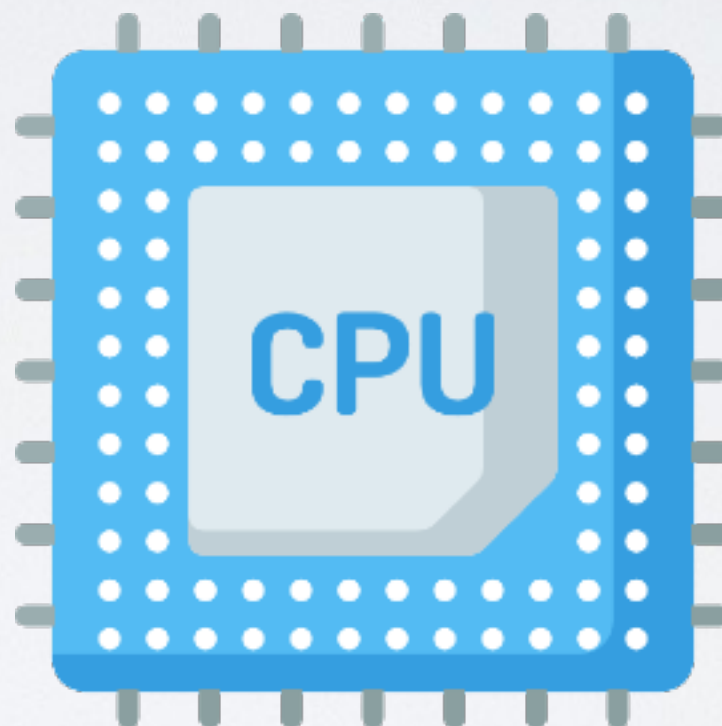
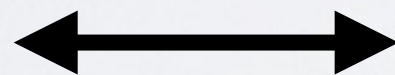
0x FF FF FF FF



I/O



RAM



Boot

0x 00 00 00 00

# Simple Computer Architecture

## Memory + CPU

for a more accurate and detailed map of the x86 memory  
look at [https://wiki.osdev.org/Memory\\_Map\\_\(x86\)](https://wiki.osdev.org/Memory_Map_(x86))