Memory after booting xv6

physical address (hex)	physical address (byte number)	region size (bytes)	region size (kilobytes)	region contents	step no.	Key steps during boot
0x0	0	31,744	31	stack (starts to grow from 7c00 towards 0)	2	The boot loader sets up the stack at address 7c00, so that it could call the C function bootmain.
0x7c00	31,744					
0x7c00	31,744	512	0.5	bootloader	1	The boot loader is first loaded here. This address selection is done by BIOS.
0x7e00	32,256					
...	...	...	...	...		
0x8a00	35,328	1	1/1024	picks bootmain error info		
...	...	...	...	...		
0x10000	65,536	4,096	4	First 4 kB of kernel ELF binary	3	bootmain loads the first 4096 bytes of ELF binary here.
0x11000	69,632					
0xa0000	655,360	393,216	384	device memory regions		
0x100000	1,048,576					
0x100000	1,048,576			kernel physical address starts here	4	bootloader loads the kernel to the point starting from this address
...	...	...	...	...		
0x10000c	1,048,588			kernel's entry point, where the kernel starts executing	5	bootloader starts to execute the kernel by calling the kernel's entry point which is at this address.
...	...	...	...	...		