

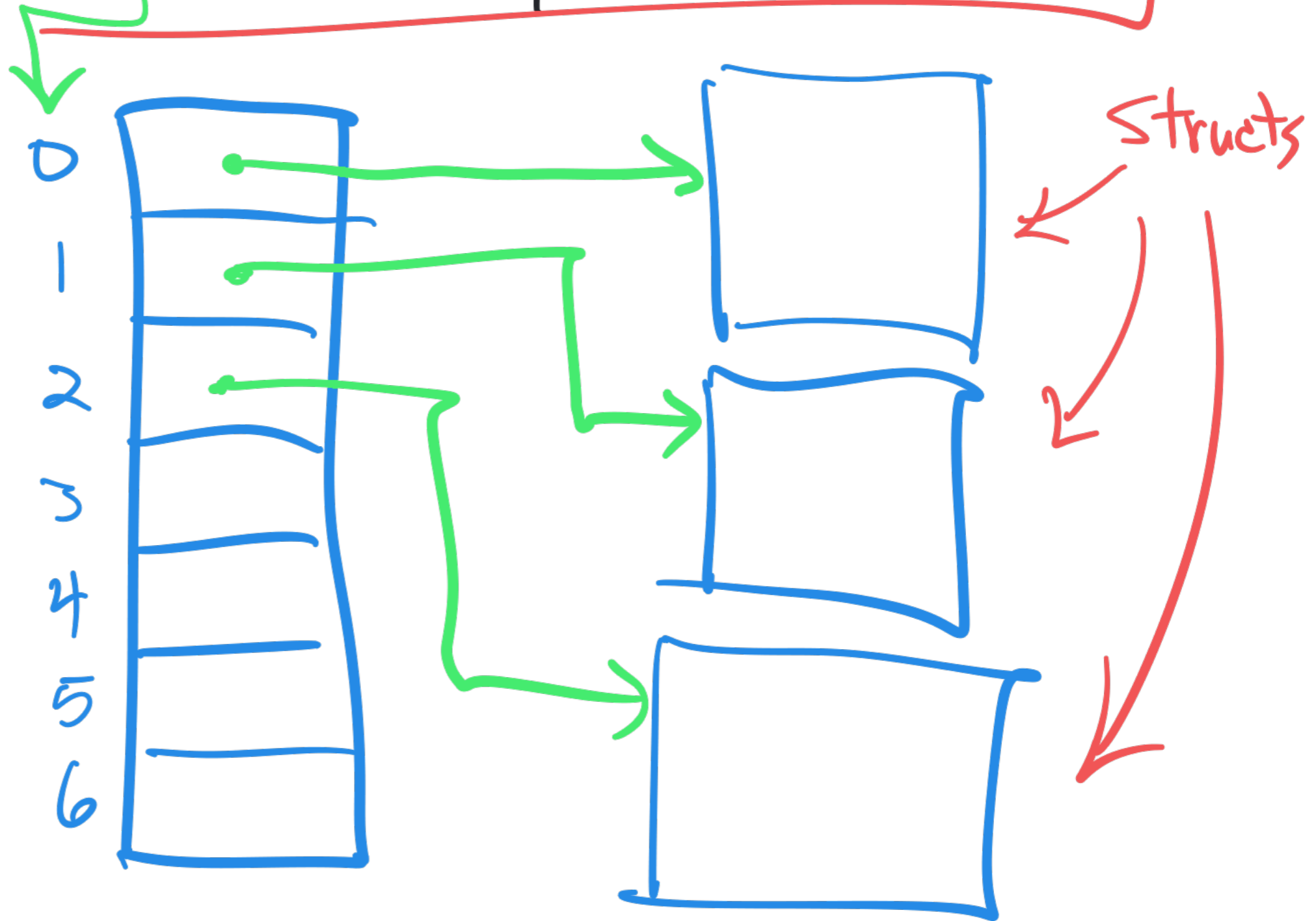
CS 2008

Fri, 12 May 2023

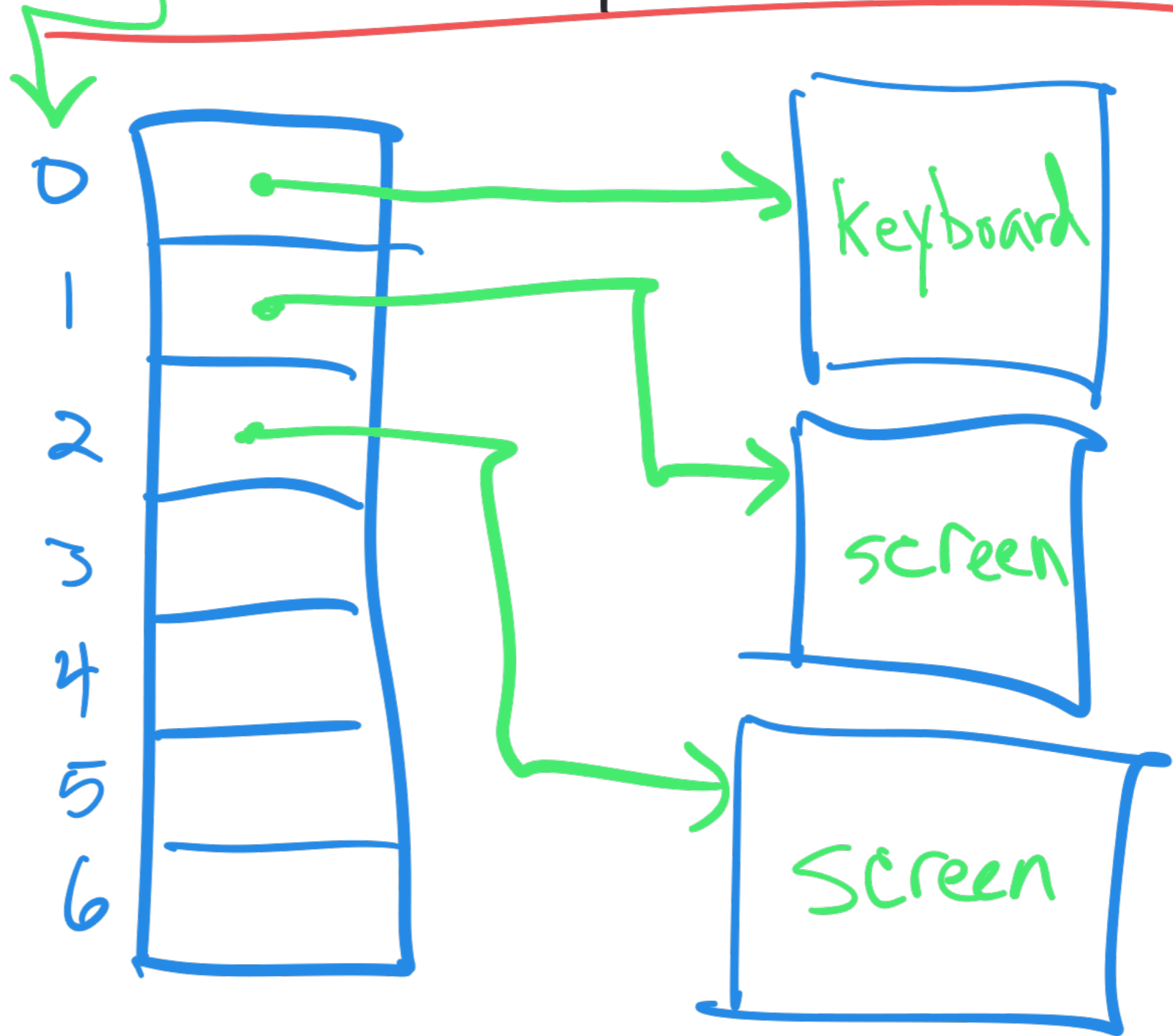
OS

- Keeps a list of "running" processes
- Has a hardware clock that interrupts computation & invokes the...  $\left( \frac{\sim}{10S} \right)$
- Scheduler. Picks a process from the list & runs it.

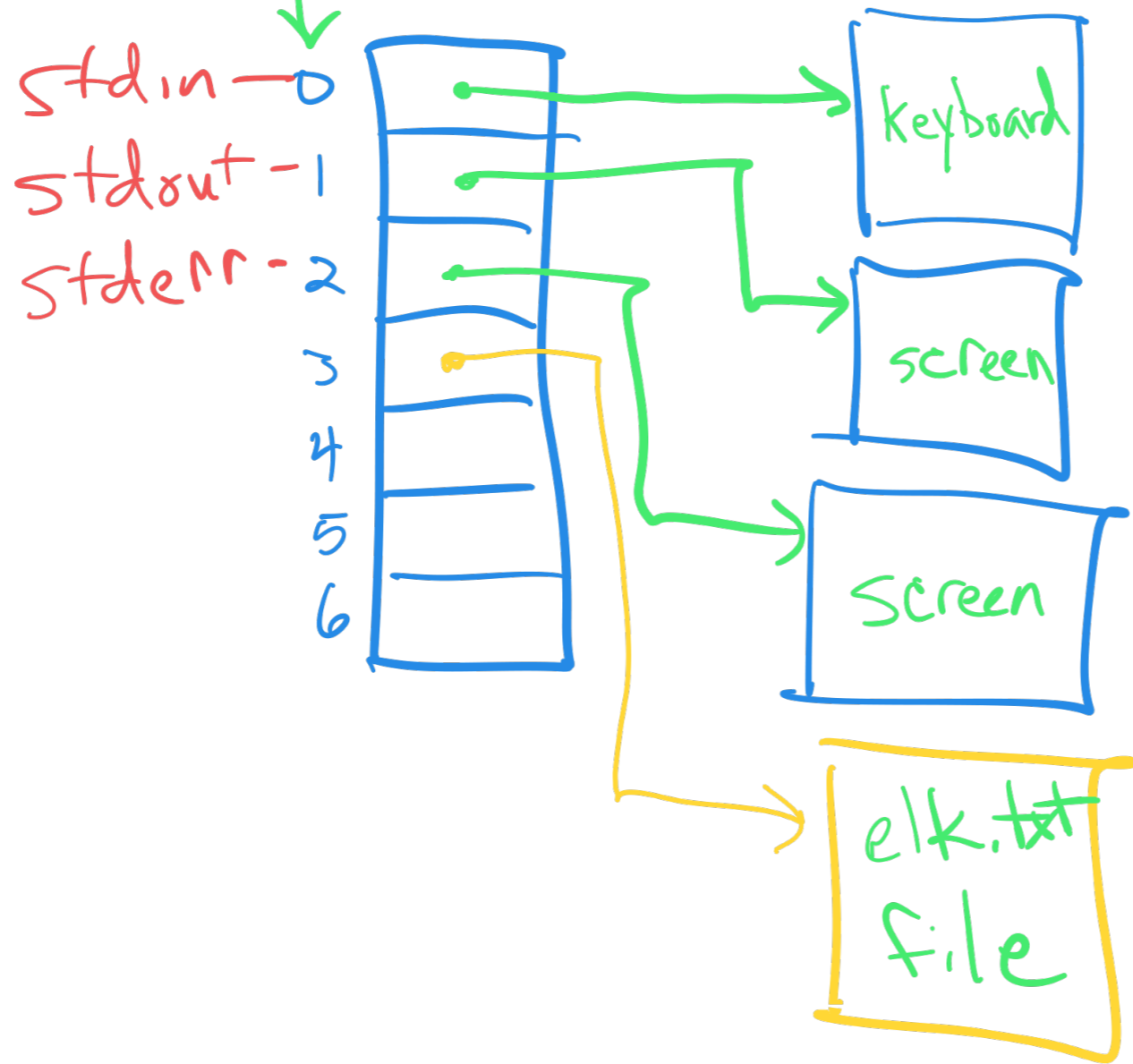
OS gives every process a file descriptor table



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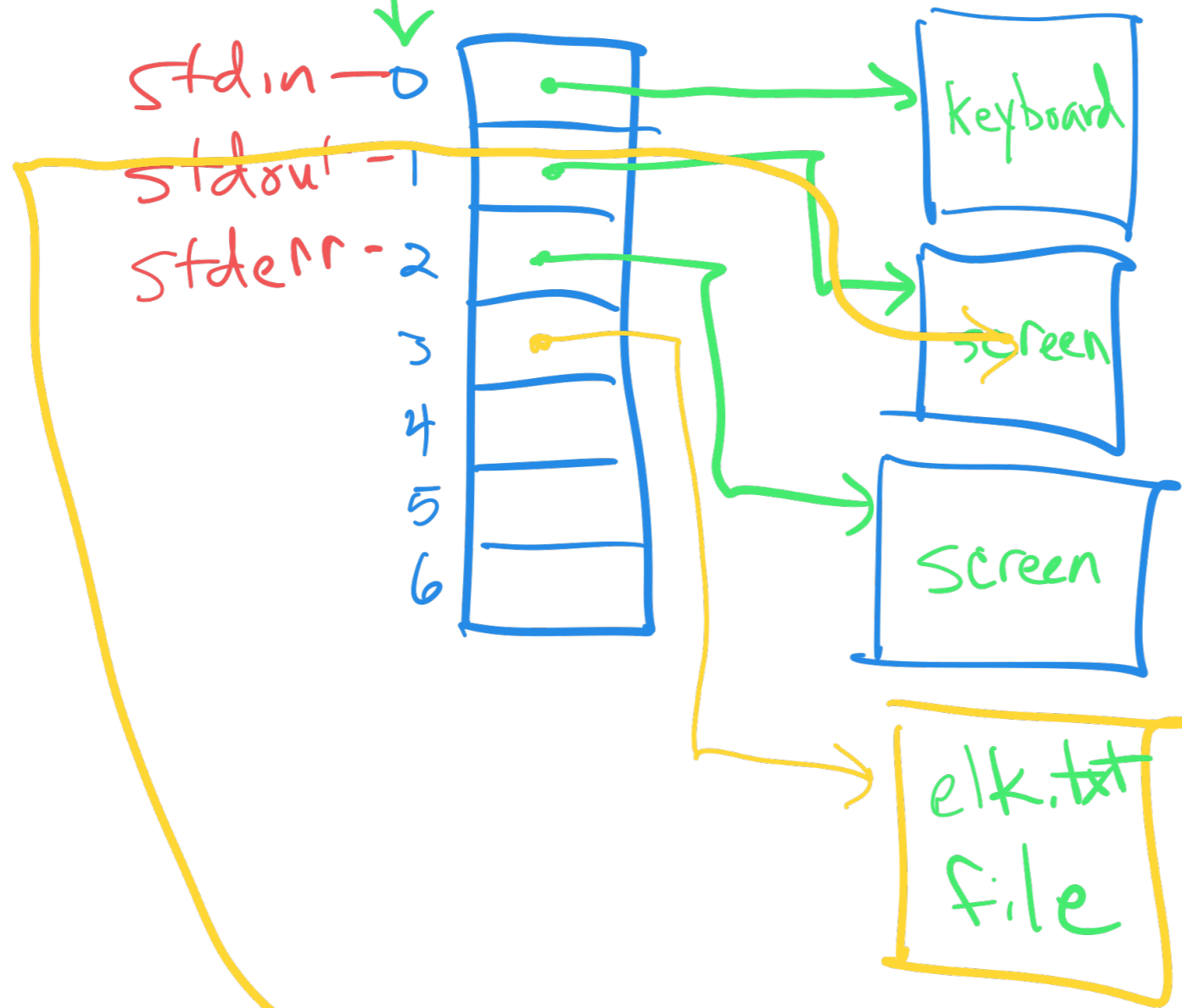


OS gives every process  
a file descriptor table



```
int fd = open("elk.txt",  
3          "r");  
printf("Hi\n");
```

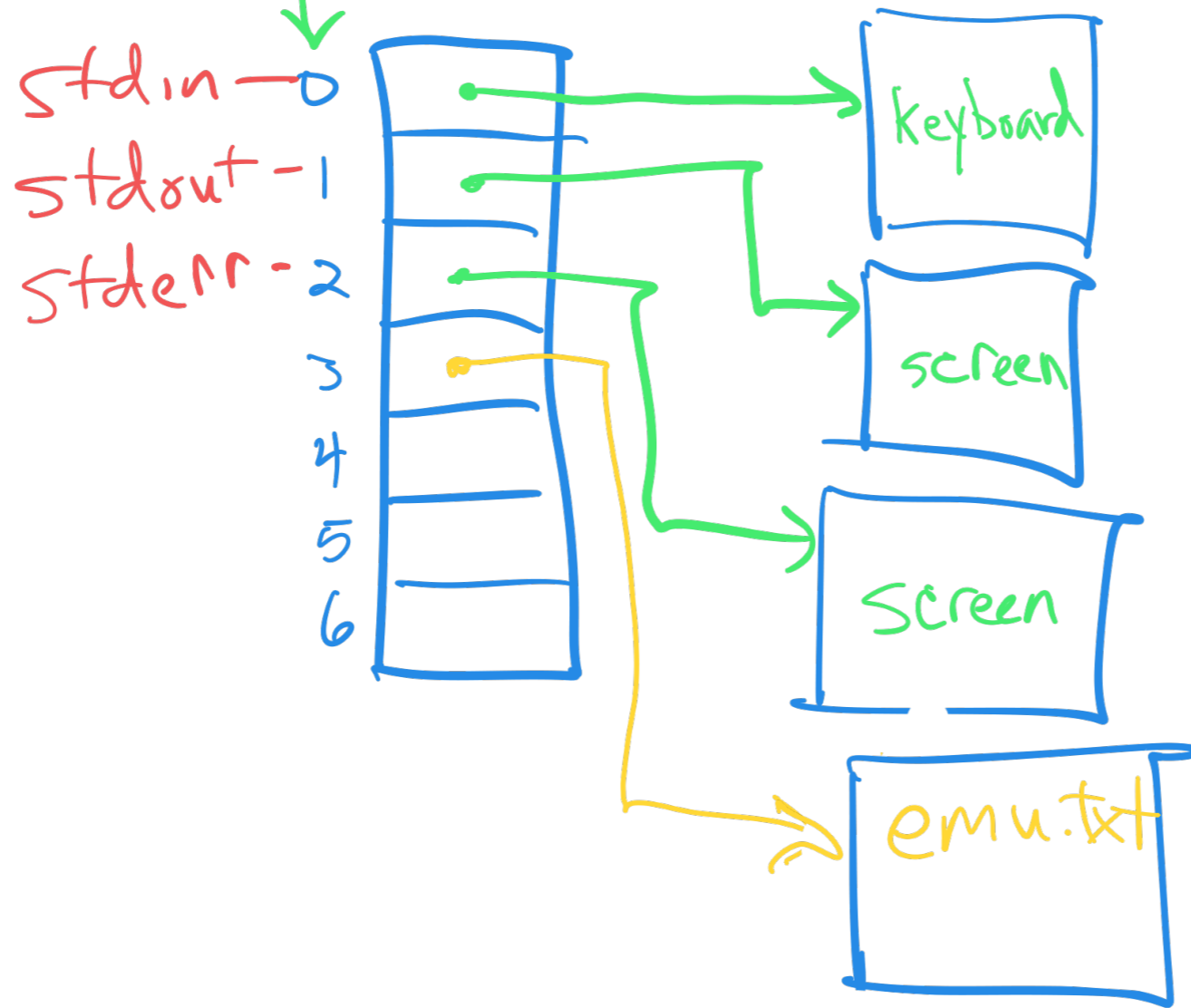
OS gives every process  
a file descriptor table



```
int fd = open("elk.txt",  
3, "r");
```

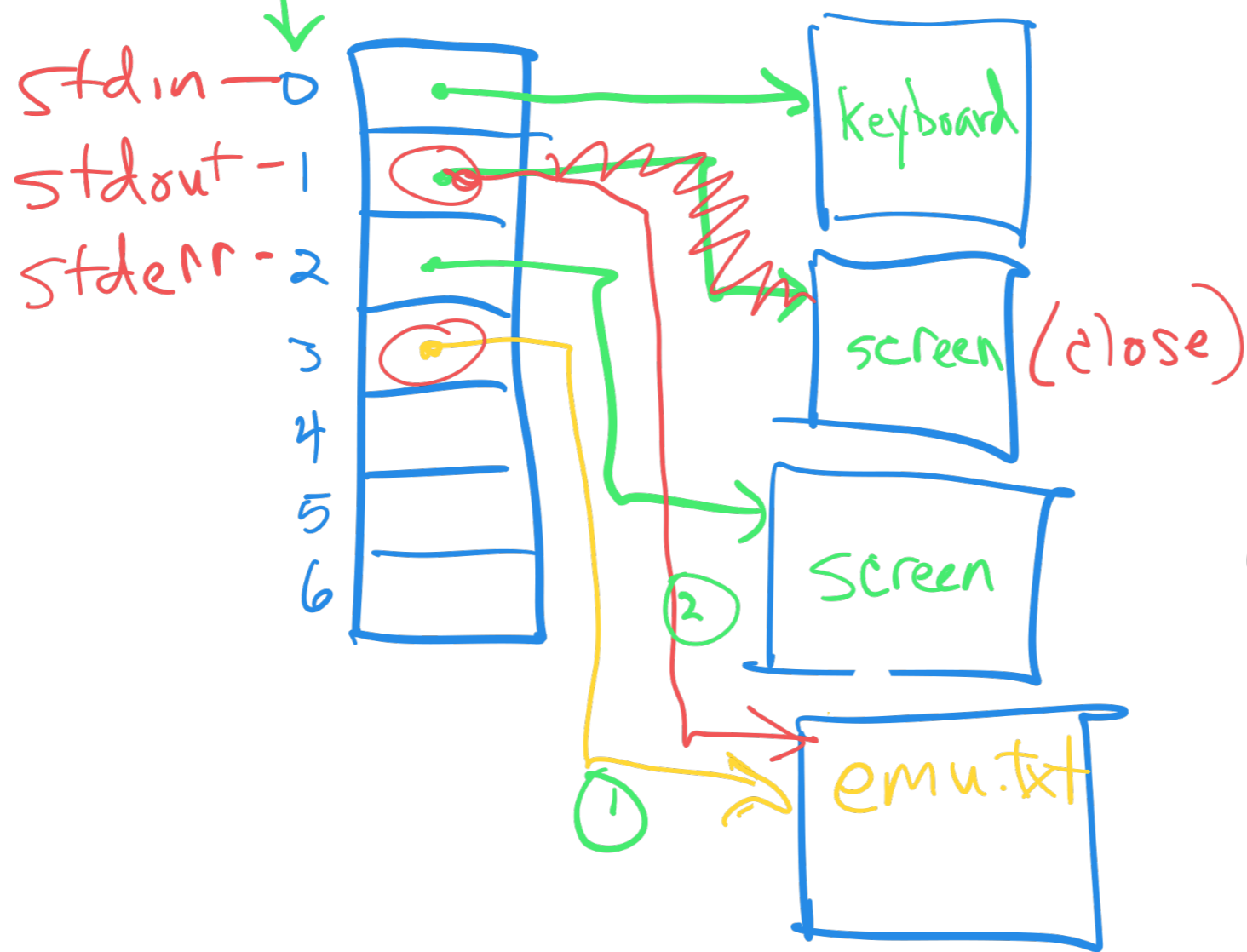
```
printf("Hi\n");
```

OS gives every process a file descriptor table



```
int fd =  
open("emu.txt",  
O_WRONLY |  
O_CREAT | O_TRUNC);  
dup2(fd, 1);
```

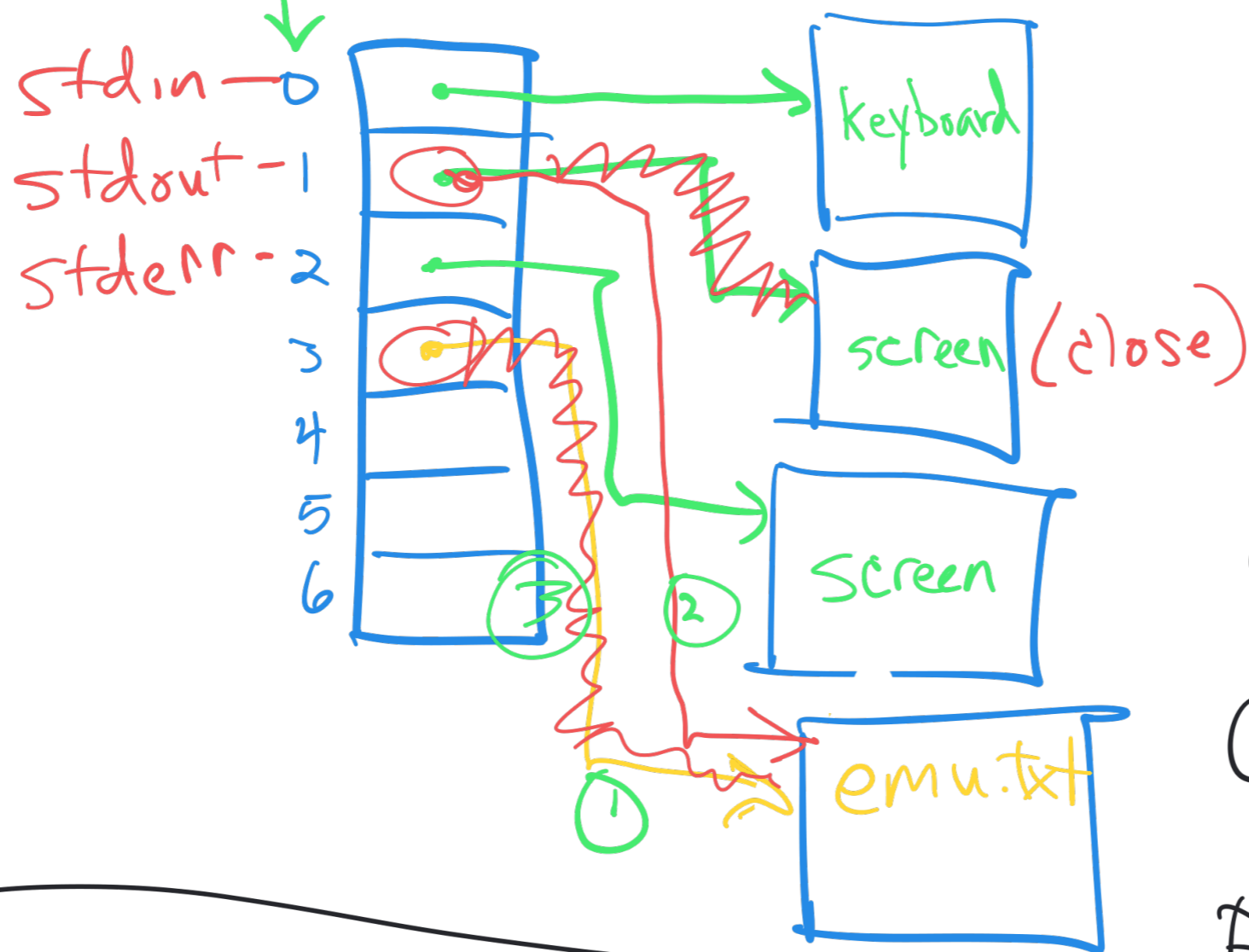
OS gives every process a file descriptor table



```
int fd = 11  
open("emu.txt",  
O_WRONLY |  
O_CREAT | O_TRUNC,  
dup2(fd, 1);
```



OS gives every process  
 a file descriptor table



my program > emu.txt

```

int fd = 3
open("emu.txt",
    O_WRONLY |
    O_CREAT | O_TRUNC);
dup2(fd, 1);
close(fd);
printf("Hex\n");
  
```

# wanted

stdin 0

stdout 1

stderr 2

