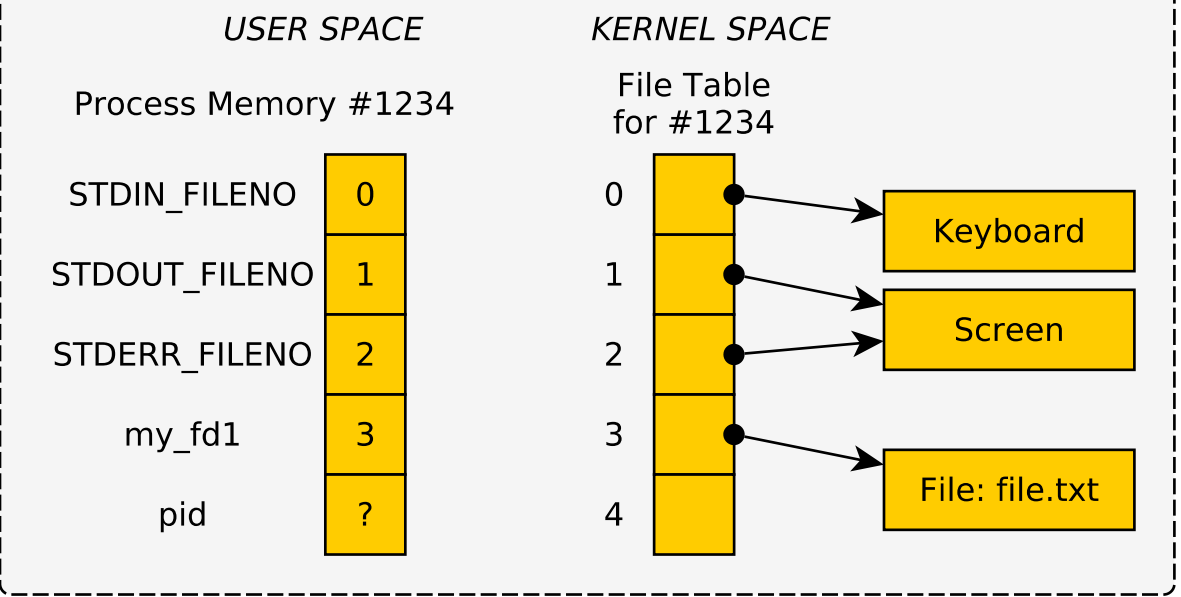


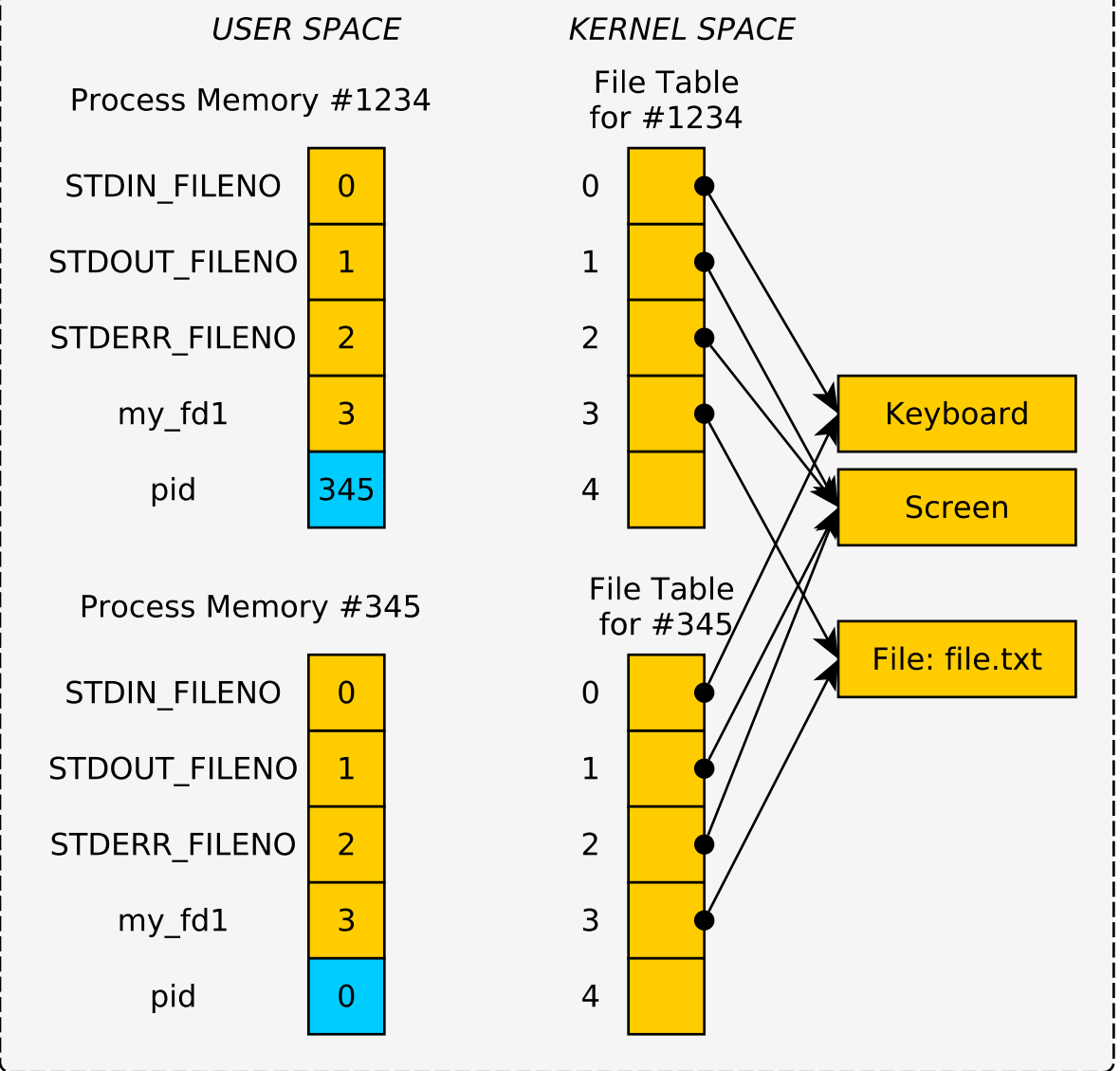
This diagram shows a typical sequence in which a parent process opens a file, forks(), then has the child redirect standard output to that file.

It is similar to what shells do to redirect output in commands like `ls -l > output.txt` which will put the output listing the file output.txt.

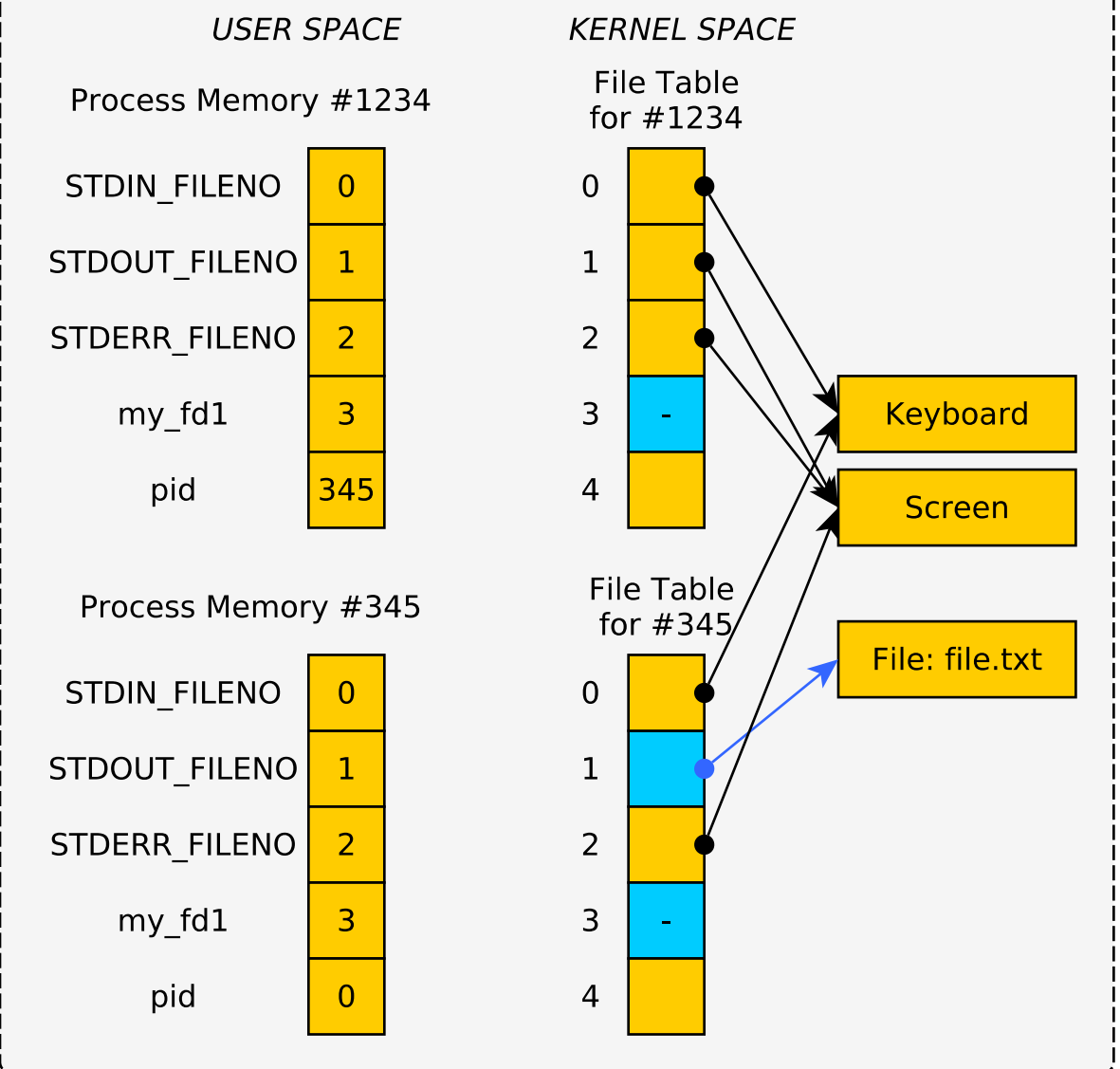
Initial



pid = fork();



CHILD: dup2(my_fd1, STDOUT_FILENO); BOTH: close(my_fd1);



Subsequently, if the child process calls `printf()`, output will go into file.txt. Calling `exec()` will cause whatever program takes the place of the process to write to the file rather than to the screen.