```
r
                          а
*/
#include <stdio.h>
#include <sys/types.h>
#include <unistd.h>
#include <stdlib.h>
#include <sys/wait.h>
#include <string.h>
int main (void) {
    pid_t childpid = 0;
        int status;
        printf("proc-R, pid %d, ppid %d, acaba de ser criado\n", getpid(), getppid());
        childpid = fork();
    if(childpid == 0){
        printf("proc-A, pid %d, ppid %d, acaba de ser criado\n", getpid(), getppid());
        childpid = fork();
        if(childpid == 0){
                printf("proc-F, pid %d, ppid %d, acaba de ser criado\n", getpid(),
getppid());
                childpid = fork();
                if(childpid == 0){
                        printf("proc-E, pid %d, ppid %d, acaba de ser criado\n",
getpid(), getppid());
                        printf("proc-E, pid %d, e morreu\n", getpid());
                        exit(0);
                else{
                        waitpid(childpid, &status, 0);
                        childpid = fork();
                        if(childpid == 0){
                                printf("proc-L, pid %d, ppid %d, acaba de ser criado\n",
getpid(), getppid());
                                printf("proc-L, pid %d, e morreu\n", getpid());
                                 exit(0);
                        else{
                                waitpid(childpid, &status, 0);
                                printf("proc-F, pid %d, e morreu\n", getpid());
                                exit(0);
                        }
                }
        else{
                waitpid(childpid, &status, 0);
                printf("proc-A, pid %d, e morreu\n", getpid());
                exit(0);
        }
    }
    else{
        waitpid(childpid, &status, 0);
        printf("proc-R, pid %d, e morreu\n", getpid());
                exit(0);
        }
```