

8.9

进程对	并发地?
AB	否
AC	是
AD	是
BC	是
BD	是
CD	是

8.18



8.24

```
#include "csapp.h"
#define N 50

int main(){
    int status, i;
    pid_t pid;

    for(i = 0; i < N; i += 1){
        if((pid = fork()) == 0){
            char* p = NULL;
            *p = 'v';//引发一个错误
            exit(100 + i);
        }
    }

    while((pid = waitpid(-1, &status, 0)) > 0){
        if(WIFEXITED(status)){
            printf("child %d terminated normally with exit status=%d\n",
                pid, WEXITSTATUS(status));
        }
    }
}
```

```
        }else if(WIFSIGNALED(status)){
            char message[64];
            sprintf(message, "child %d terminated by signal %d",
                    pid, WTERMSIG(status));
            psignal(WTERMSIG(status), message);
        }
    }
    .....
}
/*
 libc/sys/linux/psignal.c - print signal message to stderr
 Copyright 2002, Red Hat Inc.
#include <stdio.h>
#include <string.h>

void
psignal (int sig, const char *s)
{
    if (s != NULL)
        fprintf (stderr, "%s: %s\n", s, strsignal (sig));
    else
        fprintf (stderr, "%s\n", strsignal (sig));
}
*/
```

10.6

“fd2 = 4”

10.9

```
10.8
....
int fd = atoi(argv[1]);
fstat(fd, &stat);
....

if(Fork() == 0){
    int fd = Open(“foo.txt”, O_RDONLY, 0);
    Dup2(fd, STDIN_FILENO);
    Close(fd);
    Execve(“fstatcheck”, argv, envp);
}
```

加上 `close(fd)`后会产生错误的文件描述符
删去这一行就会正常读取文件内容