

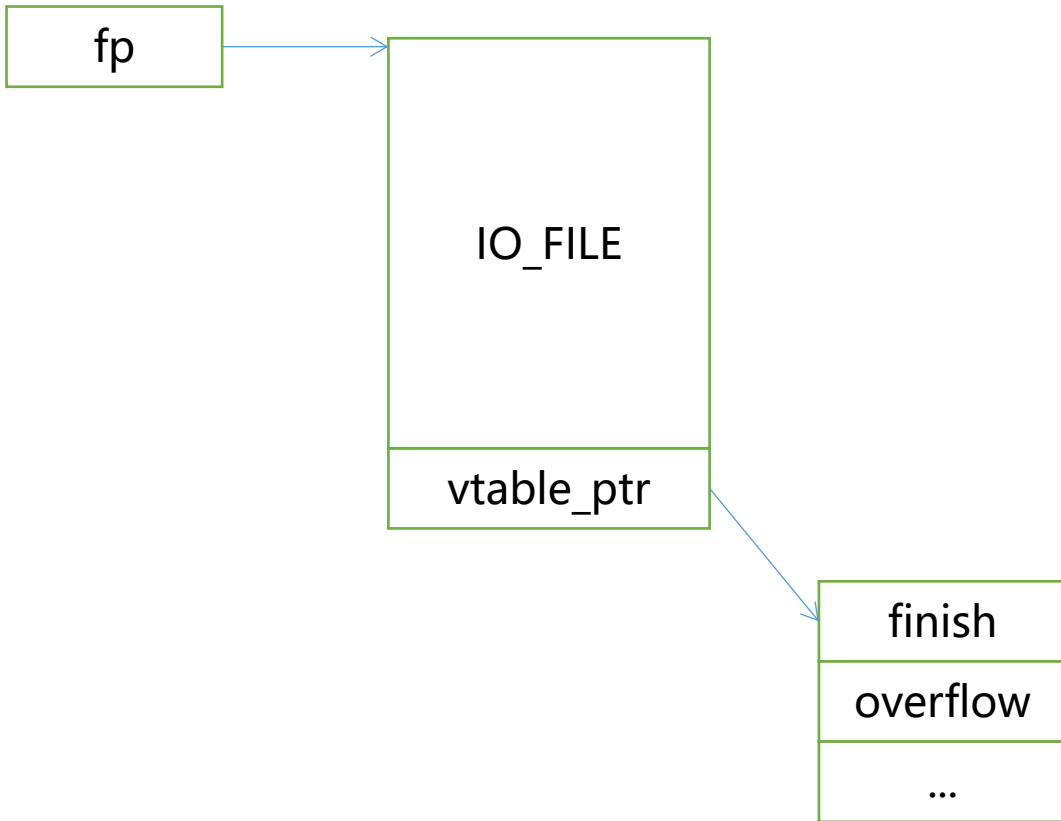
```
struct _IO_FILE {
    int _flags; /* High-order
#define _IO_file_flags _flags

    /* The following pointers co
    /* Note: Tk uses the _IO_re
    char* _IO_read_ptr; /* Curre
    char* _IO_read_end; /* End o
    char* _IO_read_base; /* Sta
    char* _IO_write_base; /* Sta
    char* _IO_write_ptr; /* Cur
    char* _IO_write_end; /* End
    char* _IO_buf_base; /* Start
    char* _IO_buf_end; /* End o
    /* The following fields are
    char *_IO_save_base; /* Poin
    char *_IO_backup_base; /* P
    char *_IO_save_end; /* Point

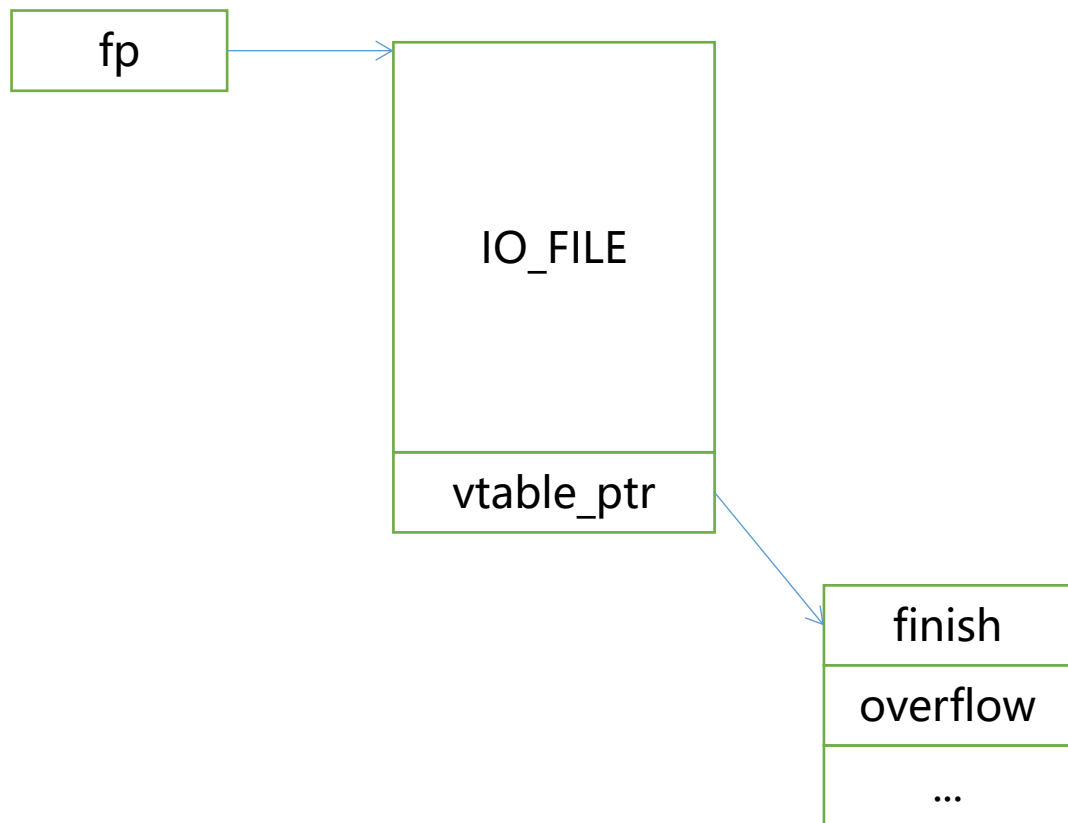
    struct _IO_marker *_markers;

    struct _IO_FILE *_chain;

    int _fileno;
```



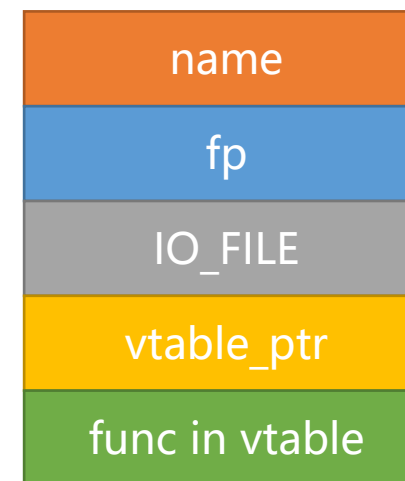
```
const struct _IO_jump_t _IO_file_jumps libio_vtable =
{
    JUMP_INIT_DUMMY,
    JUMP_INIT(finish, _IO_file_finish),
    JUMP_INIT(overflow, _IO_file_overflow),
    JUMP_INIT(underflow, _IO_file_underflow),
    JUMP_INIT(uflow, _IO_default_uflow),
    JUMP_INIT(pbackfail, _IO_default_pbackfail),
    JUMP_INIT(xsputn, _IO_file_xsputn),
    JUMP_INIT(xsgetn, _IO_file_xsgetn),
    JUMP_INIT(seekoff, _IO_new_file_seekoff),
    JUMP_INIT(seekpos, _IO_default_seekpos),
    JUMP_INIT(setbuf, _IO_new_file_setbuf),
    JUMP_INIT(sync, _IO_new_file_sync),
    JUMP_INIT(doallocate, _IO_file_doallocate),
    JUMP_INIT(read, _IO_file_read),
    JUMP_INIT(write, _IO_new_file_write),
    JUMP_INIT(seek, _IO_file_seek),
    JUMP_INIT(close, _IO_file_close),
    JUMP_INIT(stat, _IO_file_stat),
    JUMP_INIT(showmanyc, _IO_default_showmanyc),
    JUMP_INIT(imbue, _IO_default_imbue)
};
libc_hidden_data_def (_IO_file_jumps)
```



`fclose()` 步骤

利用 `IO_FILE.flag` 和其他一些东西
如果符合条件, 就执行 `vtable.finish(fp)`

这题我没有深究
`flag` 不变就可以执行 `vtable.finish(fp)`
具体作用以后再研究



最终执行finish(fp)

等于 **system("0xffff7fff||sh")**