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3

, . [1] Unix.

Table 1: GNU Linux

/	,			
/bin	,			,
/etc				
/home		,	,	,
/media				
/root		root		
/tmp				
/usr				

Unix . (gnu-doc:bash?; newham:2005:bash?; zarrelli:2017:bash?; robbins:2013:bash?; tannenbaum:arch-pc:ru?; tannenbaum:modern-os:ru?).

4

1. mc. (. [1])

4.1

2. Midnight Commander. (. [2])

```

MC(1)                                GNU Midnight Commander                                MC(1)

НАИМЕНОВАНИЕ
    mc - Визуальная оболочка для Unix-подобных систем.

СИНТАКСИС
    mc [-abcCdfhPstuUVx] [-l журнал] [каталог1 [каталог2]] [-e [файл] ...]
    [-v файл]

ОПИСАНИЕ
    Что такое Midnight Commander

    Midnight Commander - это программа, предназначенная для просмотра
    содержимого каталогов и выполнения основных функций управления файлами
    в UNIX-подобных операционных системах.

КЛЮЧИ
    Ключи запуска программы Midnight Commander

    -a, --stickchars
        Отключить использование графических символов для рисования
        линий.

Manual page mc(1) line 1 (press h for help or a to quit)

```

Figure 1: mc

Левая панель				Правая панель			
Файл	Команда	Настройки	Правая панель				
~	[^]>	~ /work/blog	[^]>				
.и	Имя	Размер	Время правки				
..	-ВВЕРХ-	фев 17 11:41	фев 17 11:41				
/.cache	494	фев 22 12:21	фев 22 12:21				
/.config	590	мар 22 16:46	мар 22 16:46				
/.local	26	фев 19 19:30	фев 19 19:30				
/.mozilla	48	фев 17 11:41	фев 17 11:41				
/.ssh	84	фев 22 12:43	фев 22 12:43				
/.texlive2021	18	фев 22 12:49	фев 22 12:49				
/.var	6	фев 19 14:14	фев 19 14:14				
/confederation	94	мар 22 12:40	мар 22 12:40				
/lab01	58	фев 22 12:58	фев 22 12:58				
/monthly	42	мар 17 19:58	мар 17 19:58				
/newdir	0	мар 11 23:15	мар 11 23:15				
/newlab	0	мар 2 23:52	мар 2 23:52				
/reports	28	мар 11 20:29	мар 11 20:29				
/ski.plases.	28	мар 11 20:55	мар 11 20:55				
-ВВЕРХ-							
44G/77G (56%)							

Файл	Команда	Настройки	Правая панель
~	[^]>	~ /work/blog	[^]>
.и	Имя	Размер	Время правки
..	-ВВЕРХ-	мар 15 13:38	мар 15 13:38
/.github	40	мар 15 13:11	мар 15 13:11
/.git	180	мар 18 00:06	мар 18 00:06
/static	14	мар 15 13:11	мар 15 13:11
/resources	8	мар 15 13:11	мар 15 13:11
/public	486	мар 18 00:05	мар 18 00:05
/images	40	мар 15 13:11	мар 15 13:11
/data	54	мар 15 13:11	мар 15 13:11
/content	144	мар 18 00:05	мар 18 00:05
/config	16	мар 15 13:11	мар 15 13:11
/assets	36	мар 15 13:12	мар 15 13:12
.hugo_build.lock	0	мар 15 13:12	мар 15 13:12
.gitmodules	111	мар 15 13:49	мар 15 13:49
.gitignore	94	мар 15 13:49	мар 15 13:49
.editorconfig	298	мар 15 13:11	мар 15 13:11
-ВВЕРХ-			
44G/77G (56%)			

Совет: Вы сможете видеть скрытые файлы .*, установив опцию в меню Конфигурация.

aaatanesov@fedora ~]\$

Figure 2: mc

4.2

3. `. (. [3])`

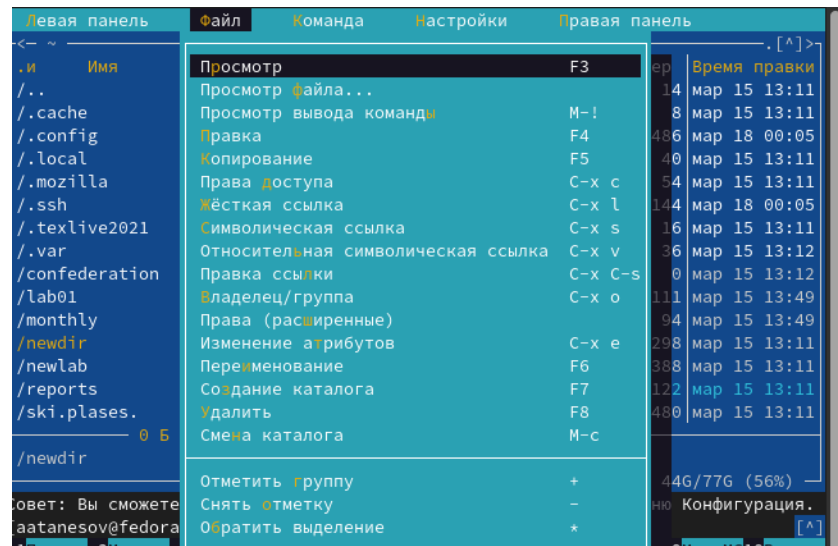


Figure 3: `cp`

4.3

4. `conf.txt. (. [4])`

4.4

5. `. (. [5])`

4.5

6. `. (. [6])`

4.6

7. `. (. [7])`

4.7

8. `. (. [8])`

4.8

9. `. (. [9])`

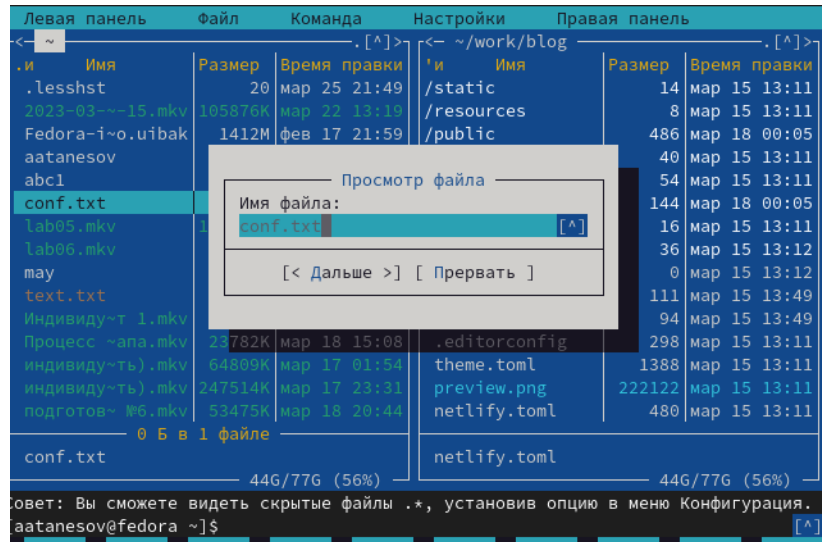


Figure 4:

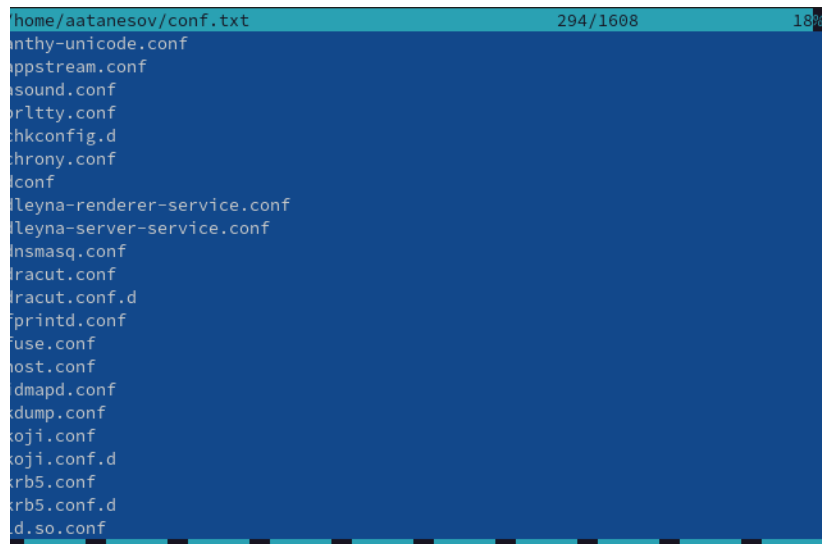


Figure 5:

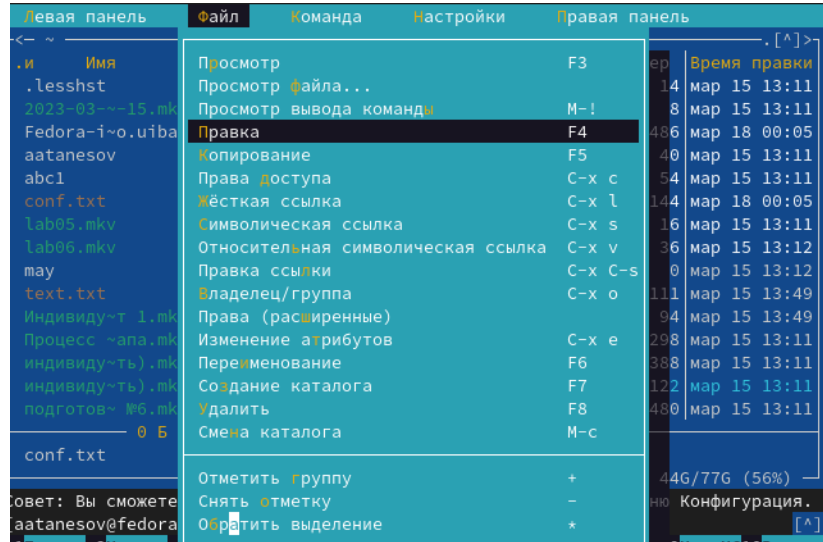


Figure 6:

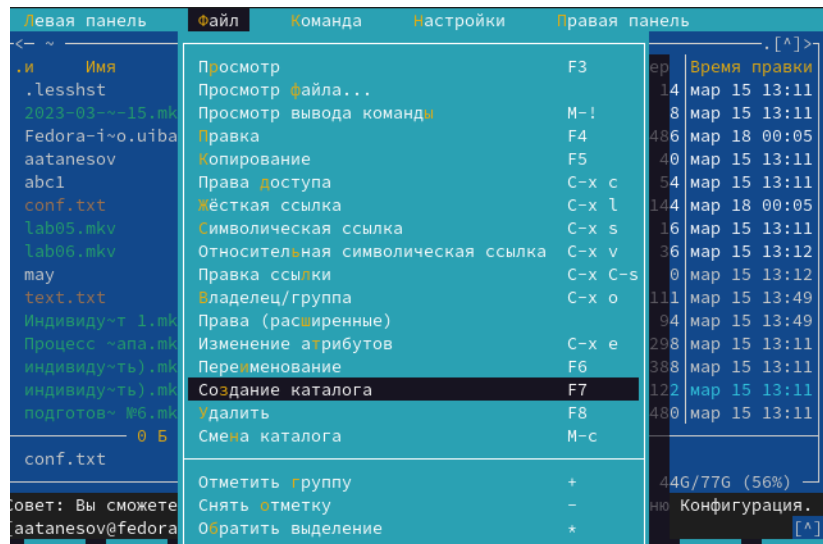


Figure 7:

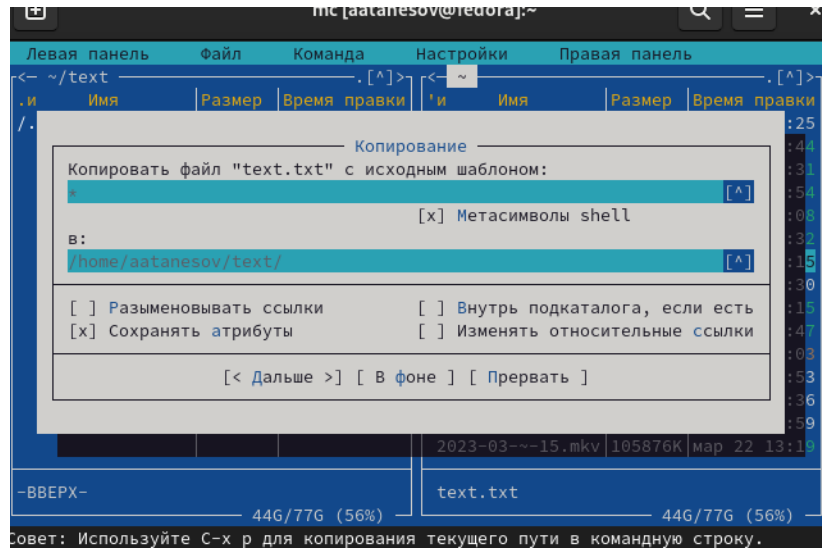


Figure 8:

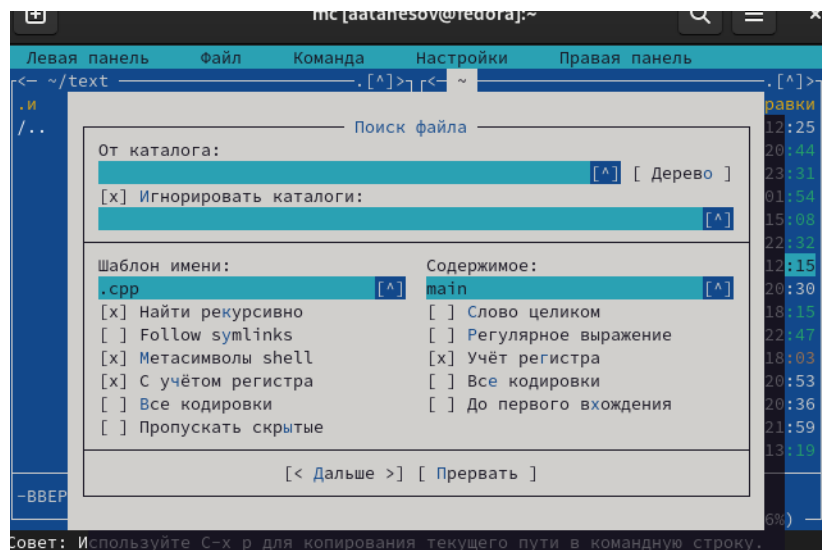


Figure 9:

4.9

10. . (. [10])

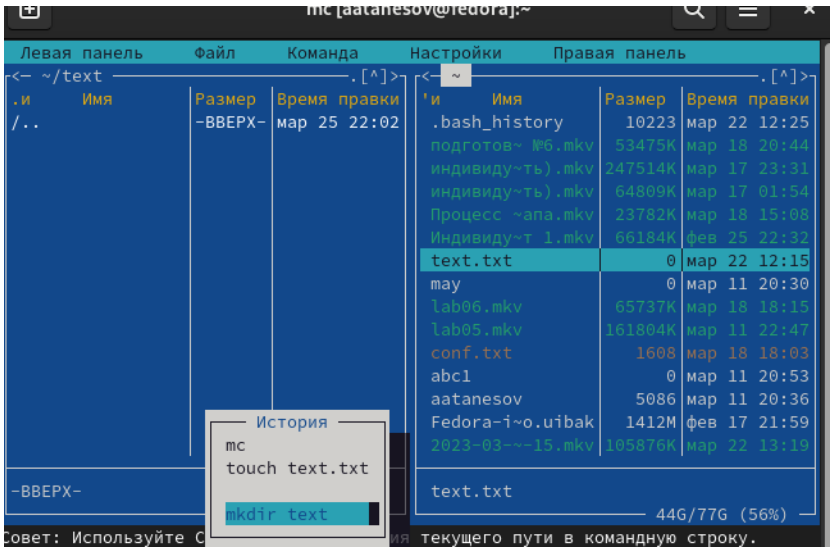


Figure 10:

4.10

11. . (. [11])

4.11

12. . (. [12])

4.12

13. . (. [13])

4.13

14. MC. (. [??])

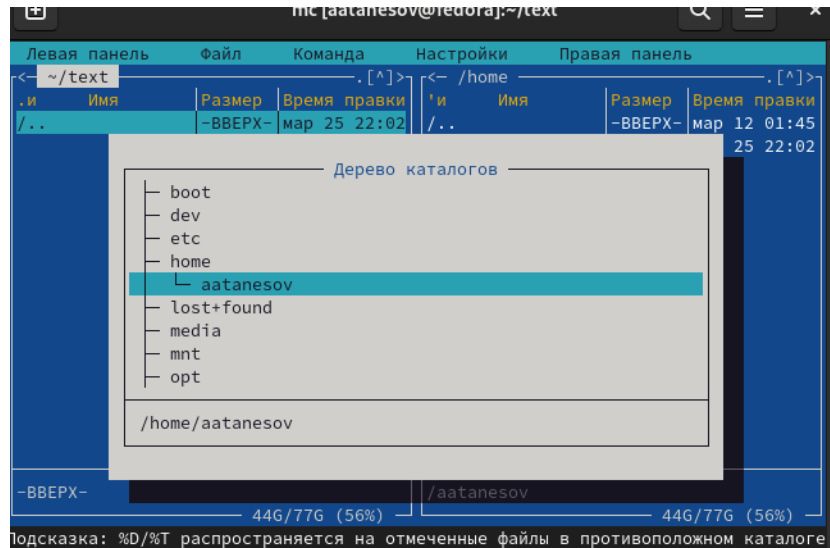


Figure 11:

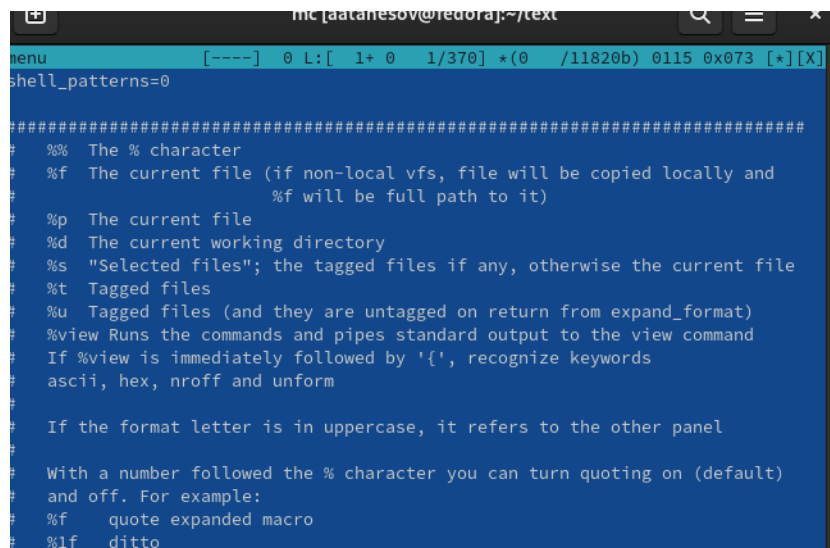


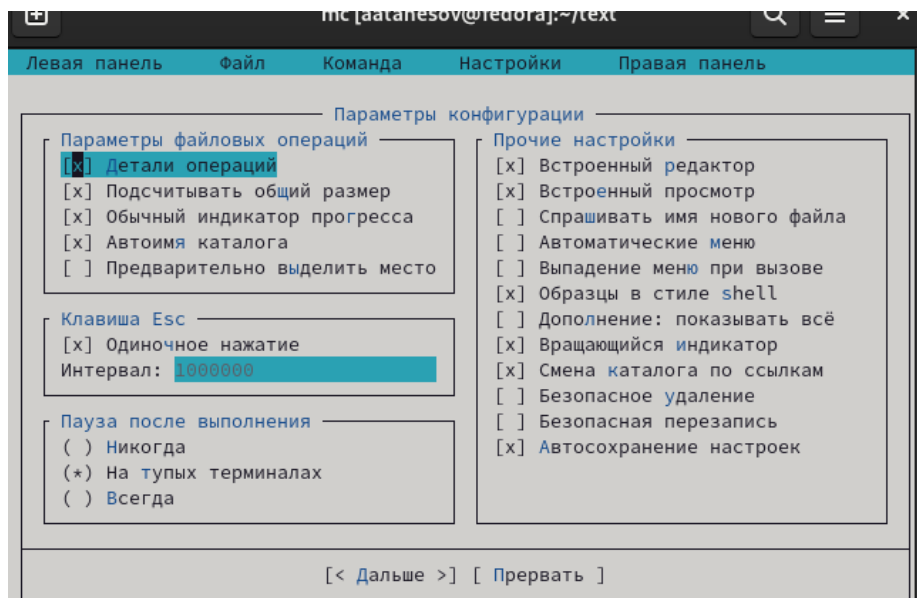
Figure 12:

```

mc [aatanesov@fedora] ~/text
mc.ext [----] 0 L: [ 1+ 0 1/849] *(0 /22299b) 0035 0x023 [*][X]
Midnight Commander 3.0 extension file
# Warning: Structure of this file has changed completely with version 3.0
#
# All lines starting with # or empty lines are thrown away.
# Lines starting in the first column should have following format:
#
# keyword/descNL, i.e. everything after keyword/ until new line is desc
#
# keyword can be:
#
#   shell (desc is, when starting with a dot, any extension (no wildcars),
#         i.e. matches all the files *desc . Example: .tar matches *.tar;
#         if it doesn't start with a dot, it matches only a file of that name)
#
#   shell/i (desc is, when starting with a dot, any extension (no wildcars),
#         The same as shell but with case insensitive.
#
#   regex (desc is an extended regular expression)
#         Please note that we are using the GNU regex library and thus
#         \ matches the literal | and | has special meaning (or) and
#         ( ) have special meaning and \( \) stand for literal ( ).

```

Figure 13:



age/13.png){#fig:014 width=90%}

4.14

15. MC. (. [14])

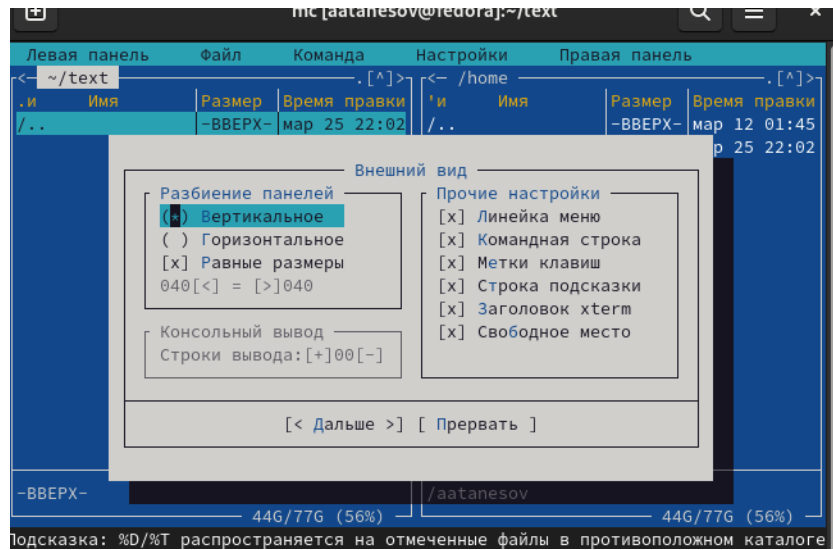
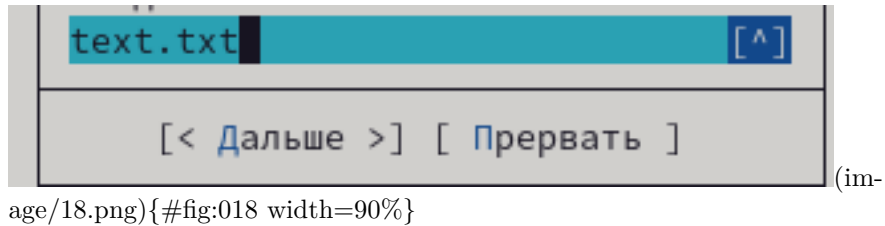


Figure 14: `ls -l`

4.15

16. `text.txt. (. [??])`



4.16

17. `MC. (. [15])`

4.17

18. `. (. [16])`

4.18

19. `. (. [17])`

4.19

20. `. (. [18])`

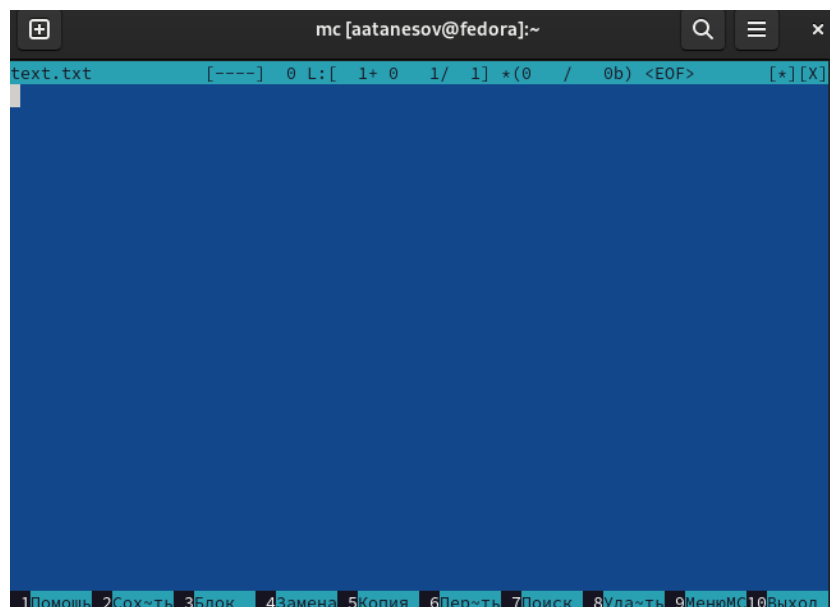


Figure 15:

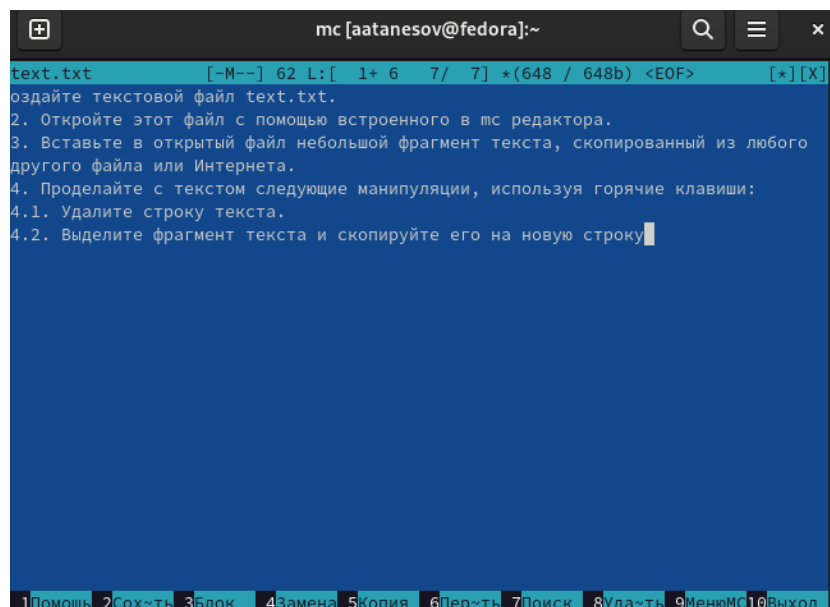


Figure 16:

Ctrl+Shift+>

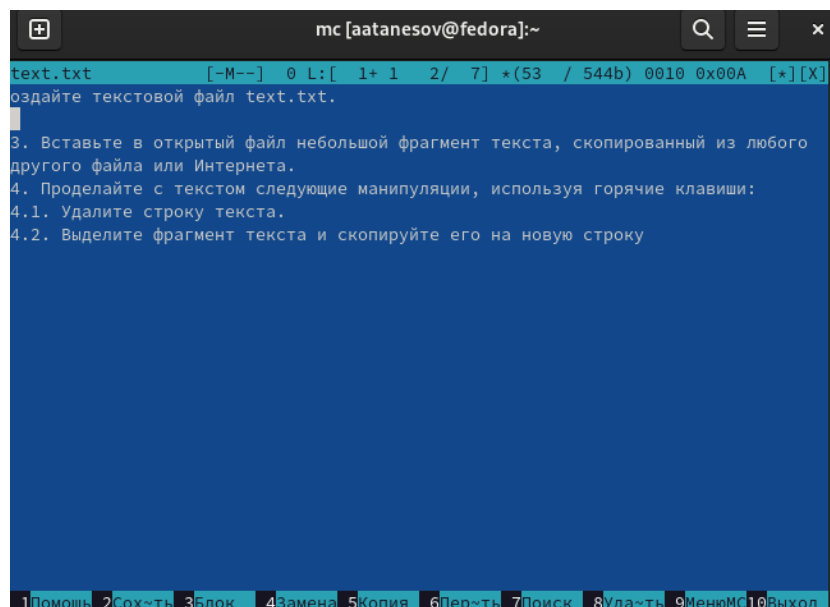


Figure 17: F8

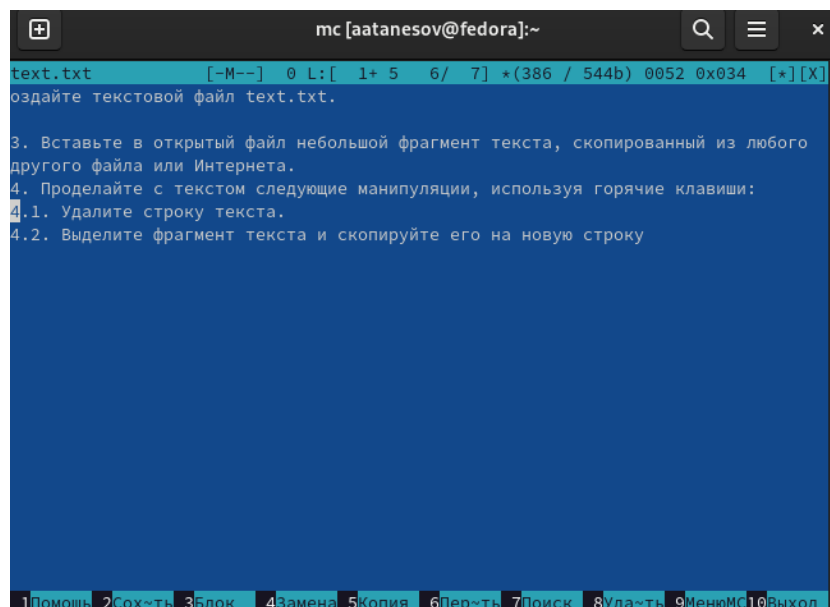


Figure 18: F5

4.20

21. . (. [19])

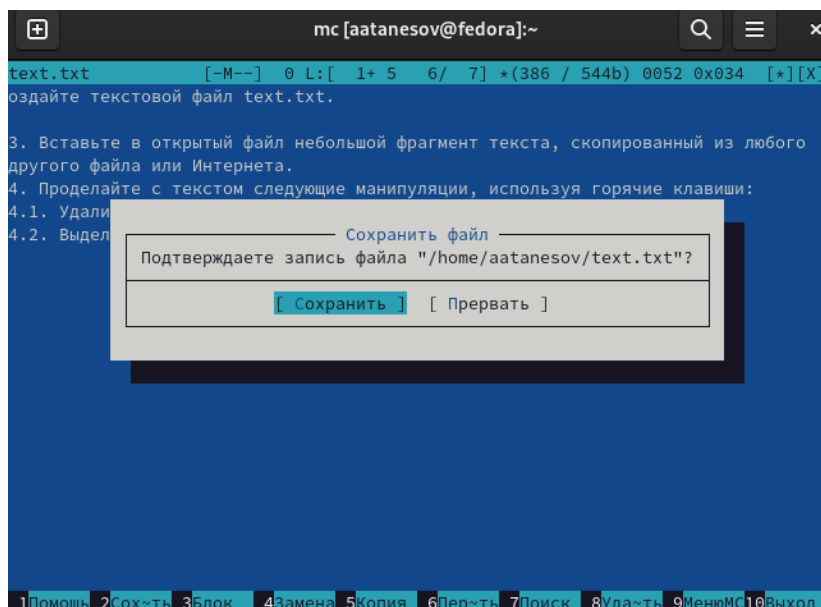


Figure 19:

F2

4.21

22. . (. [20])

4.22

23. . (. [21])

4.23

24. . (. [22])

4.24

25. . (. [23])

4.25

26. . (. [24])

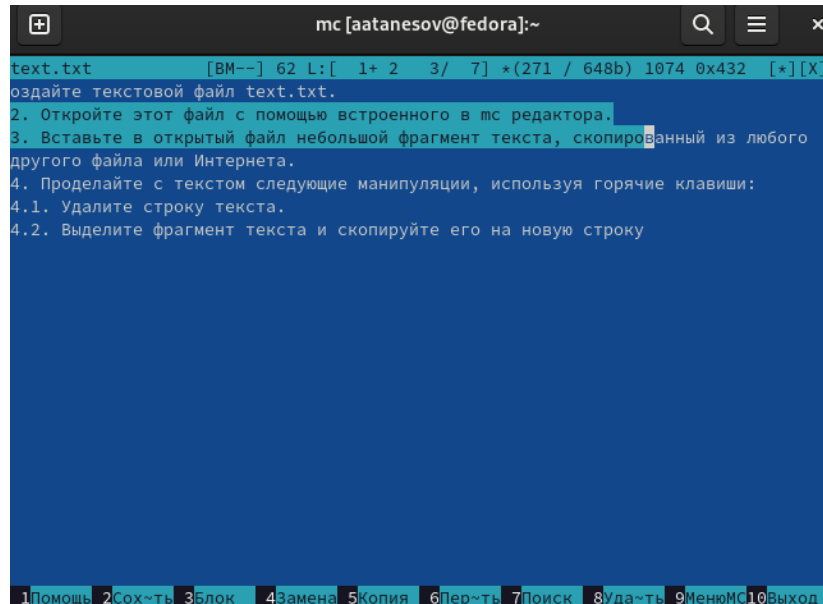


Figure 20: Ctrl+U

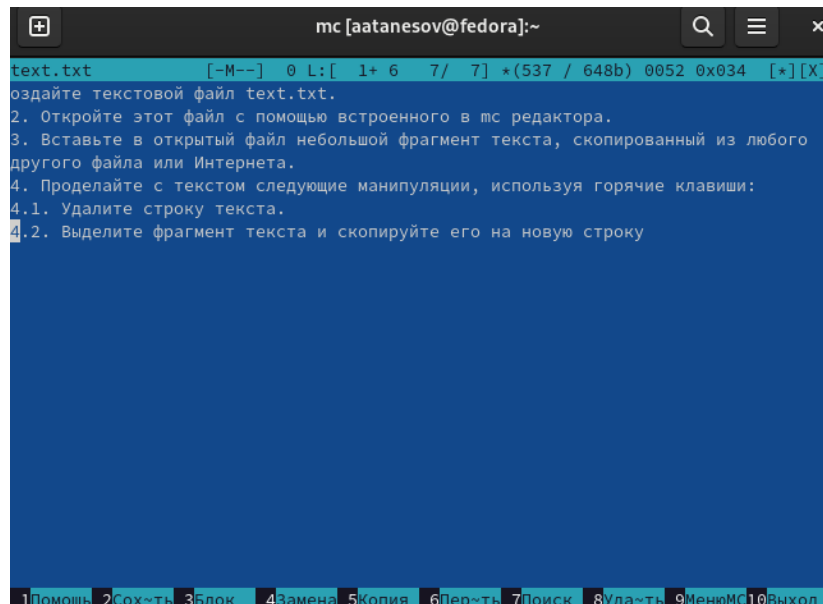


Figure 21: Ctrl+Home

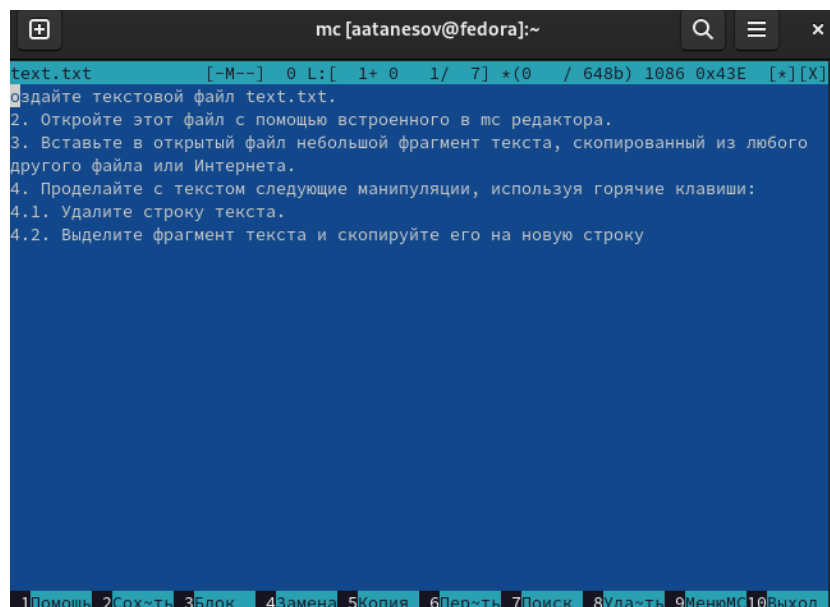


Figure 22: Ctrl+End

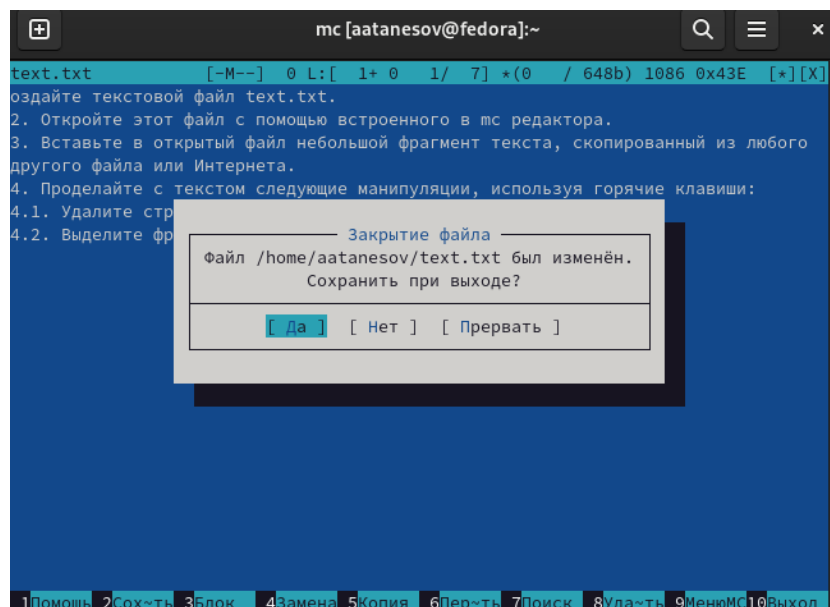


Figure 23: ls -l

- 6. Midnight Commander,
 , , , .
- 7. Midnight Commander:
 - (F6)
 - (F5)
 - (F8)
 - (F7)
 - (F2)
 - (Alt+Enter)
- 8. Midnight Commander:
 - (Ctrl+S)
 - (F10)
 - (Ctrl+A)
 - (Ctrl+X)
 - (Ctrl+C)
 - (Ctrl+V)
- 9. Midnight Commander “ , ” “ ”
 , .
- 10. Midnight Commander , , , , .