

# /Отчет по лр №5

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## Ход работы

### Шаг 1

\*\*\*1.\*\*\*

С помощью команды `man` открываем справку о командах. (рис. -@fig:001)

![Рис 1 - step 1](image/1.png) {#fig:001 width=70%}

(рис. -@fig:002) (рис. -@fig:003)

```
bzip2(1)                                General Commands Manual                                bzip2(1)

NAME
    bzip2, bunzip2 - a block-sorting file compressor, v1.0.8
    bzip2recover - recovers data from damaged bzip2 files

SYNOPSIS
    bzip2 [ -cdfkqstvwVL123456789 ] [ filenames ... ]
    bunzip2 [ -fkvsVL ] [ filenames ... ]
    bzip2recover [ -s ] [ filenames ... ]
    bzip2recover filename

DESCRIPTION
    bzip2 compresses files using the Burrows-Wheeler block sorting text
    compression algorithm, and Huffman coding. Compression is generally
    considerably better than that achieved by more conventional
    LZ77/LZ78-based compressors, and approaches the performance of the PPM
    family of statistical compressors.

    The command-line options are deliberately very similar to those of GNU
    gzip, but they are not identical.
```

{#fig:002 width=70%}

```

TAR(1)                                GNU TAR Manual                        TAR(1)

NAME
    tar - an archiving utility

SYNOPSIS
    Traditional usage
        tar {A|c|d|r|t|u|x}[GnSkUWOmpsMBiajJzZhPlRvwo] [ARG...]

    UNIX-style usage
        tar -A [OPTIONS] ARCHIVE ARCHIVE

        tar -c [-f ARCHIVE] [OPTIONS] [FILE...]

        tar -d [-f ARCHIVE] [OPTIONS] [FILE...]

        tar -t [-f ARCHIVE] [OPTIONS] [MEMBER...]

        tar -r [-f ARCHIVE] [OPTIONS] [FILE...]

        tar -u [-f ARCHIVE] [OPTIONS] [FILE...]

        tar -x [-f ARCHIVE] [OPTIONS] [MEMBER...]

```

{#fig:003 width=70%}

\*\*\*2.\*\*\*

Выполняем 2 шаг из л.р. (рис. -@fig:004)

```

[talebenedinec@fedora ~]$ man zip
[talebenedinec@fedora ~]$ man bzip2
[talebenedinec@fedora ~]$ man tar
[talebenedinec@fedora ~]$ touch backup.sh
[talebenedinec@fedora ~]$ emacs &
[1] 30988
[talebenedinec@fedora ~]$ chmod +x *.sh
[1]+  завершён      emacs
[talebenedinec@fedora ~]$ ./backup.sh
done
[talebenedinec@fedora ~]$ cd backup
[talebenedinec@fedora backup]$ ls
backup.sh.bz2
[talebenedinec@fedora backup]$ bunzip2 -c backup.sh.bz2
#!/bin/bash

name='backup.sh'
mkdir ~/backup
bzip2 -k ${name}
mv ${name}.bz2 ~/backup/
echo "done"
[talebenedinec@fedora backup]$ touch second.sh
[talebenedinec@fedora backup]$ emacs &

```

{#fig:004 width=70%}

\*\*\*3.\*\*\*

Проверяем работу скрипта (рис. -@fig:005)

```
[talebedinec@fedora backup]$ ./second.sh 1 2 3 4
[talebedinec@fedora backup]$ emacs&
[1] 31126
[talebedinec@fedora backup]$ chmod +x *.sh
[talebedinec@fedora backup]$ ./second.sh 1 2 3 4
Аргументы
1
2
3
4
[talebedinec@fedora backup]$ ./second.sh 1 2 3 4 5 6 7 8 9 10 11
Аргументы
1
2
3
4
5
6
7
8
9
10
11
[talebedinec@fedora backup]$
```

{#fig:004 width=70%}

\*\*\*4.\*\*\*

Скрипты файлов (рис. -@fig:006) (рис. -@fig:008)

```
#!/bin/bash
a="$1"
for i in ${a}/*
do
    echo "$i"

    if test -f $i
    then echo "regular file"
    fi

    if test -d $i
    then echo "directory"
    fi

    if test -r $i
    then echo "reading is allowed"
    fi

    if test -w $i
    then echo "writing is allowed"
    fi
done
```

{#fig:006 width=70%}

```
#!/bin/bash
b="$1"
shift
for a in $@
do
    k=0
    for i in ${b}/*/{$a}
    do
        if test -f "$i"
        then
            let k=k+1
        fi
    done
    echo "$k $a files in $b directory"
done
```

{#fig:008 width=70%}

\*\*\*5.\*\*\*

Проверка работы 3 файла (рис. -@fig:007)

```
(passwd) cat /etc/passwd | grep talebedinec | sed 's/::/:::/'
[talebedinec@fedora ~]$ ./third.sh ~
/home/talebedinec/abc1
regular file
reading is allowed
writing is allowed
/home/talebedinec/adc1
regular file
reading is allowed
writing is allowed
/home/talebedinec/australia
regular file
reading is allowed
writing is allowed
/home/talebedinec/backup
directory
reading is allowed
```

{#fig:007 width=70%}

\*\*\*6.\*\*\* Выполняем последний этап. (рис. -@fig:009)

```

[talebedinec@fedora ~]$ ls
abcl      conf.txt    monthly    third.sh    Музыка
adcl      feathers    my_os      third.sh~   Общедоступные
australia file.txt    os-introl  work        'Рабочий стол'
backup    fourth.sh   play       'Без имени 1' Шаблоны
backup.sh fourth.sh~  reports    Видео
backup.sh~ lab07.sh    second.sh   Документы
bin       lab07.sh~   ski.places Загрузки
blog      may         talebedinec.github.io Изображения

[talebedinec@fedora ~]$ touch 1.txt 2.txt 3.txt
[talebedinec@fedora ~]$ touch 24.pdf u.pdf
[talebedinec@fedora ~]$ ./fourth.sh ~ txt pdf sh
0 txt files in /home/talebedinec directory
0 pdf files in /home/talebedinec directory
0 sh files in /home/talebedinec directory
[talebedinec@fedora ~]$ ls
1.txt      backup.sh~  lab07.sh~  talebedinec.github.io  Изображения
24.pdf     bin         may        third.sh                Музыка
2.txt      blog        monthly    third.sh~              Общедоступные
3.txt      conf.txt    my_os      u.pdf                  'Рабочий стол'
abcl       feathers    os-introl  work                   Шаблоны
adcl       file.txt    play       'Без имени 1'
australia  fourth.sh   reports    Видео

```

{#fig:009 width=70%}