```
Alexs-MacBook-Air:20 alex$ cat ai_lab.txt
Паша
Семен
Вика
Коля
Роза
Денис
Alexs-MacBook-Air:20 alex$ cat py_lab.txt
Паша
Семен
Вика
Коля
Денис
Юля
Саша
Alexs-MacBook-Air:20 alex$ cmp ai_lab.txt py_lab.txt
ai_lab.txt py_lab.txt differ: char 40, line 5
Alexs-MacBook-Air:20 alex$ cmp -l ai_lab.txt py_lab.txt
40 240 224
42 276 265
44 267 275
46 260 270
47  12 321
48 320 201
49 224  12
51 265 256
53 275 273
54 320 321
55 270 217
56 321  12
57 201 320
58  12 241
cmp: EOF on ai_lab.txt
Alexs-MacBook-Air:20 alex$ sort ai_lab.txt > ai_lab_sort.txt
Alexs-MacBook-Air:20 alex$ sort py_lab.txt > py_lab_sort.txt
Alexs-MacBook-Air:20 alex$ comm ai_lab_sort.txt p
proto.txt      py_lab.txt      py_lab_sort.txt
Alexs-MacBook-Air:20 alex$ comm ai_lab_sort.txt py_lab_sort.txt
            Вика
            Денис
            Коля
            Паша
Роза
        Саша
            Семен
        Юля
Alexs-MacBook-Air:20 alex$ sudo diskutil unmount /dev/disk5
Password:
Volume XXI - Klavier on disk5 unmounted
Alexs-MacBook-Air:20 alex$ dd if=/dev/disk5 of=rammstein.iso
1091893+1 records in
1091893+1 records out
559049232 bytes transferred in 535.062071 secs (1044831 bytes/sec)
Alexs-MacBook-Air:20 alex$ ls
20.txt          ai_lab_sort.txt proto.txt       py_lab_sort.txt        t.txt
ai_lab.txt      l20-2012.pdf py_lab.txt       rammstein.iso
Alexs-MacBook-Air:20 alex$ mktemp py_lab.txt
mktemp: mkstemp failed on py_lab.txt: File exists
Alexs-MacBook-Air:20 alex$ mktemp secrets.XXXXXX
secrets.O4ii6V
```

```
Alexs-MacBook-Air:20 alex$ ls
20.txt           ai_lab_sort.txt proto.txt        py_lab_sort.txt         secrets.O4ii6V
ai_lab.txt       l20-2012.pdf py_lab.txt        rammstein.iso t.txt
Alexs-MacBook-Air:20 alex$ grep C ai_lab.txt
Семен
Alexs-MacBook-Air:20 alex$ grep C py_lab.txt
Семен
Саша
Alexs-MacBook-Air:20 alex$ cat ai_lab_pass.txt
1. e4fggsd
2. 4g4gEKM
3. Modf868
4. mjOjmod
5. LHBO0jj
6. xp97H0i
Alexs-MacBook-Air:20 alex$ cat ai_lab_name.txt
1. Паша
2. Семен
3. Вика
4. Коля
5. Роза
6. Денис
Alexs-MacBook-Air:20 alex$ join ai_lab_name.txt ai_lab_pass.txt | tee ai_lab_passlist.txt
1. Паша e4fggsd
2. Семен 4g4gEKM
3. Вика Modf868
4. Коля mjOjmod
5. Роза LHBO0jj
6. Денис xp97H0i
Alexs-MacBook-Air:20 alex$ cat ai_lab_passlist.txt
1. Паша e4fggsd
2. Семен 4g4gEKM
3. Вика Modf868
4. Коля mjOjmod
5. Роза LHBO0jj
6. Денис xp97H0i
Alexs-MacBook-Air:20 alex$ tail -n 4 ai_lab_name.txt
3. Вика
4. Коля
5. Роза
6. Денис
Alexs-MacBook-Air:20 alex$ echo "i'm gonna rise" | tr "[:lower:]" "[:upper:]"
I'M GONNA RISE
Alexs-MacBook-Air:20 alex$ cat mt_lab.txt
Коля
Маша
Паша
Люба
Саша
Мотвей
Вера
Коля
Alexs-MacBook-Air:20 alex$ sort mt_lab.txt | uniq
Вера
Коля
Люба
Маша
Мотвей
Паша
Саша
```

```
Alexs-MacBook-Air:20 alex$ od mt_lab.txt
0000000   115320 137320 135720 107721 150012 150234 150660 150210
0000020   005260 117720 130320 104321 130320 150012 150633 150216
0000040   150261 005260 120720 130320 104321 130320 150012 150234
0000060   150676 150202 150262 150265 005271 111320 132720 100321
0000100   130320 150012 150232 150276 150673 005217
0000114
Alexs-MacBook-Air:20 alex$ cp mt_lab.txt mt22.txt
Alexs-MacBook-Air:20 alex$ sum mt_lab.txt
58370 1 mt_lab.txt
Alexs-MacBook-Air:20 alex$ sum mt22.txt
58370 1 mt22.txt
Alexs-MacBook-Air:20 alex$ cut -c 4-10 ai_lab_name.txt
Паша
Семен
Вика
Коля
Роза
Денис
Alexs-MacBook-Air:20 alex$ gzip ai_lab_passlist.txt > ai_l.gz
Alexs-MacBook-Air:20 alex$ ls
20.txt                ai_lab_pass.txt           mt22.txt              py_lab_sort.txt
ai_l.gz               ai_lab_passlist.txt.gz mt_lab.txt             rammstein.iso
ai_lab.txt            ai_lab_sort.txt          proto.txt             secrets.O4ii6V
ai_lab_name.txt              l20-2012.pdf          py_lab.txt
Alexs-MacBook-Air:20 alex$ diff  ai_lab_sort.txt py_lab_sort.txt
5c5
< Роза
---
> Саша
6a7
> Юля
Alexs-MacBook-Air:20 alex$ ls
20.txt          ai_lab_name.txt        diff.txt l20-2012.pdf  py_lab.txt       split.txt
ai_lab.txt      ai_lab_sort.txt find.txt proto.txt          py_lab_sort.txt
Alexs-MacBook-Air:20 alex$ find . -name "ai_*"
./ai_lab_name.txt
./ai_lab_sort.txt
./ai_lab.txt
Alexs-MacBook-Air:20 alex$ ls -lh
total 456
-rw-r--r--  1 alex  staff    72K Feb 13 19:24 20.txt
-rw-r--r--@ 1 alex  staff    58B Feb 13 17:05 ai_lab.txt
-rw-r--r--@ 1 alex  staff    76B Feb 13 18:00 ai_lab_name.txt
-rw-r--r--  1 alex  staff    58B Feb 13 20:03 ai_lab_sort.txt
-rwxr-xr-x@ 1 alex  staff    4.0K Jun 26  2018 diff.txt
-rwxr-xr-x@ 1 alex  staff    5.5K Jun 26  2018 find.txt
-rw-r--r--@ 1 alex  staff    103K Feb 13 16:36 l20-2012.pdf
-rw-r--r--@ 1 alex  staff    4.1K Feb 13 20:12 proto.txt
-rw-r--r--@ 1 alex  staff    66B Feb 13 20:00 py_lab.txt
-rw-r--r--@ 1 alex  staff    65B Feb 13 17:06 py_lab_sort.txt
-rwxr-xr-x@ 1 alex  staff    4.0K Jun 26  2018 split.txt
Alexs-MacBook-Air:20 alex$ split -b 10K l20-2012.pdf
split: 10K: illegal byte count
Alexs-MacBook-Air:20 alex$ split -b 10000 l20-2012.pdf
Alexs-MacBook-Air:20 alex$ ls -lh
total 712
-rw-r--r--  1 alex  staff    72K Feb 13 19:24 20.txt
-rw-r--r--@ 1 alex  staff    58B Feb 13 17:05 ai_lab.txt
-rw-r--r--@ 1 alex  staff    76B Feb 13 18:00 ai_lab_name.txt
```

```
-rw-r--r--  1 alex  staff    58B Feb 13 20:03 ai_lab_sort.txt
-rwxr-xr-x@ 1 alex  staff   4.0K Jun 26  2018 diff.txt
-rwxr-xr-x@ 1 alex  staff   5.5K Jun 26  2018 find.txt
-rw-r--r--@ 1 alex  staff   103K Feb 13 16:36 l20-2012.pdf
-rw-r--r--@ 1 alex  staff   4.1K Feb 13 20:12 proto.txt
-rw-r--r--@ 1 alex  staff    66B Feb 13 20:00 py_lab.txt
-rw-r--r--@ 1 alex  staff    65B Feb 13 17:06 py_lab_sort.txt
-rwxr-xr-x@ 1 alex  staff   4.0K Jun 26  2018 split.txt
-rw-r--r--  1 alex  staff   9.8K Feb 13 20:20 xaa
-rw-r--r--  1 alex  staff   9.8K Feb 13 20:20 xab
-rw-r--r--  1 alex  staff   9.8K Feb 13 20:20 xac
-rw-r--r--  1 alex  staff   9.8K Feb 13 20:20 xad
-rw-r--r--  1 alex  staff   9.8K Feb 13 20:20 xae
-rw-r--r--  1 alex  staff   9.8K Feb 13 20:20 xaf
-rw-r--r--  1 alex  staff   9.8K Feb 13 20:20 xag
-rw-r--r--  1 alex  staff   9.8K Feb 13 20:20 xah
-rw-r--r--  1 alex  staff   9.8K Feb 13 20:20 xai
-rw-r--r--  1 alex  staff   9.8K Feb 13 20:20 xaj
-rw-r--r--  1 alex  staff   5.8K Feb 13 20:20 xak
Alexs-MacBook-Air:20 alex$ cat x* > pdfcopy.pdf
Alexs-MacBook-Air:20 alex$ ls
20.txt          diff.txt  proto.txt        xaa          xae          xai
ai_lab.txt      find.txt  py_lab.txt       xab          xaf          xaj
ai_lab_name.txt        l20-2012.pdf   py_lab_sort.txt     xac          xag          xak
ai_lab_sort.txt pdfcopy.pdf   split.txt        xad          xah
Alexs-MacBook-Air:20 alex$ ed
Hello there!
?
a
Hello there!
I was created in the ed.
What a plesure~
.
w ed.txt
55
q
Alexs-MacBook-Air:20 alex$ cat ed.txt
Hello there!
I was created in the ed.
What a plesure~
Alexs-MacBook-Air:20 alex$
```