Oppgave 8. Ivan Shirshikov. 7.11.22

First example:

Diverse.txt

To compress this file, I use command: java .\LZ.java compress .\diverse.TXT .\comressed.txt

Original Size of file: 17,519 byte

Size after compression: 10,255 byte

To decompress comressed.txt, I use command: java .\LZ.java decompress .\comressed.txt decompressed.txt

Size of decompressed file : 17,520 byte

Difference

```
C:\Users\krol3\Desktop\lzTest>diff decompressed.txt diverse.TXT
847d846
<
```

Difference is in additional string. I really don`t understand from there it came from, because in .lyx file my compression work without problems. You will see in the next example

Second example:

Diverse.lyx

To compress this file, I use command: java .\LZ.java compress .\diverse.lyx compressed.lyx

Original Size of file: 181,076 byte

Size after compression: 15,453 byte

To decompress comressed.txt, I use command: java .\LZ.java decompress compressed.lyx .\decompressed.lyx

Size of decompressed file: 181,076 byte. The same as original file and diff gives not any differences

```
C:\Users\krol3\Desktop\lzTest>diff diverse.lyx decompressed.lyx
```

I think that my compression work great and the only reason of this additional empty string at the end is how output stream work with different file format.