

functions

format_compression_ratio

→ input ratio + format it correctly
extract number

→ input file, number by reference and determine if
there's an error; output bool

extract_character

→ input file, character ~~++~~ and determine if
there's a hyphen

main

→ open file

while !eof {

 check for errors

 for number times {

 decompressed += character

 }

close and re open file

get the length of the old and new string
calculate ratio

print decompressed + ratio