

# Homework 5

Download the <http://meop3.troja.mff.cuni.cz:8010/linux/materials/text.tar.gz> file (in command line: 'wget http://...').

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- ❶ Cut out the ages column from the "names\_ages" file without the header using cut (NOT AWK!!!) and sort (hint: tr)
- ❷ Using bc, calculate the sum of the numbers for each line in "numbers" file (hint: tr)
- ❸ With a one line command, calculate the wind speed for wind components u,v for each line of file wind, do it a) only with awk, and b) combining awk and calc
- ❹ Write a command that tells whether a year is leap year or not using "date" command (hint: does feb-29 exists?)
- ❺ Write out what date and time will be 1000 days, 10000 hours, 100000 minutes 1000000 seconds after 2024-11-22 13:00 - write the result in YYYYMMDD HH:MM:SS format (YYYY-year, MM-month, DD-day, HH-hour, MM-minute, SS-second)
- ❻ Calculate how many minutes passed between two dates/hours using the "date" command (along with awk or calc)
- ❼ Convert the binary number 11011001000000111000 to Octal number using bc
- ❽ Write a command that counts the number of digits of the factorial of the current year (hint: date and calc, and one third command we already had)