

Task 2.2

Write a program in a programming language of your choice that reads the text of an extended PAM program (cf. Task 1.3) from a file 'program.txt' and the data from the standard input (the console) and writes the result data into the standard output (the console).

The input data are provided as numbers, separated by commas. The output data have to be produced as numbers (separated by commas, intervals or newlines according to your choice).

Note. It is allowed to read all input data into the interpreter at the beginning and then consume the data, as needed by the program, or to read the data from the input, as they are requested by the program.

Submission:

- 1) Source code and executable of the solution (if the language is not interpreted)
- 2) Screenshots of the outputs of your program on the following examples of:

```
read x,y;
while x <> y do
    if x<y then y:=y-x else x:=x-y fi
end;
write x;
write y
with the input data 14,35, and
```

```
n:= 0;
sum:=0;
read a;
while a > 0 do
    n:=n+1;
    sum:=sum+a;
    read a;
end;
write n, sum
with the input data 5,6,7,10,12,0
```

Grading: Max 40 points